

National Weather Service Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Numb	or of	Estimated		July 200
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed		Damage Property Crops	Character of Storm	
NORTH DAKOTA	, Central a	and West							
Mchenry County									
9 NNE Bantry	02	1740CST 1744CST			0	0		Thunderstorm	Wind (EG52)
Achenry County	02	1745CST			0	0		Hail(0.75)	
9 NE Bantry		1745CST 1749CST ated 40 mph wind	l ousts		U	U		Hail(0.75)	
Bottineau County	Lotin	ated 40 mph with	i gusts.						
Willow City	02	1746CST 1749CST			0	0		Thunderstorm	Wind (EG52)
Pierce County		1147651							
Rugby	02	1813CST 1816CST			0	0		Thunderstorm V	Wind (EG52)
Morton County									
Mandan	07	1415CST 1425CST			0	0	1.5K	Thunderstorm V	Wind (EG65)
	18 inc	ch diameter 25 foo	ot tall tree upr	ooted and wir	dows broke	n in busin	esses on the west si	de of Mandan.	
Stutsman County	~-				0	0			
5 N Jamestown	07	2258CST 2306CST			0	0		Thunderstorm	Vind (EG52)
NDZ017>018-020- 31>034-040>045	Mcker	nzie - Dunn - Oli	ver - Golden	Valley - Billi	ngs - Stark	- Morton	- Slope - Hettinger	r - Grant - Bowman ·	Adams - Siou
	12 13	1400CST 2100CST			0	0		Wildfire	
	the sta	ate by evening R	ecord-breakin	a haat along i					
	set the report Count	e stage for exten red. The largest of	sive lightning of these fires 2130 CST on	g caused fire a burned nearly	activity. Wi 7 1,200 acro	thin a few es of pasti	hours on the ever are and grassland t	humidity values, and ing of the 12th over o the south of Almor i. The fire threatened	50 wildfires w t, ND, in Mor
Ward County	set the report Count	e stage for exten red. The largest of ty, beginning at 2	sive lightning of these fires 2130 CST on	g caused fire a burned nearly	activity. Wi 7 1,200 acro	thin a few es of pasti	hours on the ever are and grassland t	ing of the 12th over o the south of Almor	50 wildfires we
Ward County 14 S Minot	set the report Count before	e stage for exten red. The largest of ty, beginning at 2	sive lightning of these fires 2130 CST on led.	caused fire a burned nearly the 12th, and	activity. Wi 7 1,200 acro	thin a few es of pasti	hours on the ever are and grassland t	ing of the 12th over o the south of Almor	50 wildfires w tt, ND, in Mor several structu
•	set the report Count before 12 Wind Adam	e stage for exten ed. The largest of ty, beginning at 2 e being extinguish 1510CST 1516CST blew over a 600 p	sive lightning of these fires 2130 CST on led.	caused fire a burned nearly the 12th, and	activity. Wi 7 1,200 acro 1 continuing 0	thin a few es of pastu g until 210	hours on the ever are and grassland t	ting of the 12th over to the south of Almor The fire threatened Thunderstorm	50 wildfires w tt, ND, in Mor several structu
14 S Minot	set the report Count before 12 Wind Adam 12	e stage for exten ed. The largest of ty, beginning at 2 being extinguish 1510CST 1516CST blew over a 600 p 15 1530CST 2100CST	sive lightning of these fires 2130 CST on led.	caused fire a burned nearly the 12th, and the 12th, and the 12th, and the ycle.	o 0 0	thin a few es of pastu g until 210 0	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor h. The fire threatened Thunderstorm V Wildfire	50 wildfires w tt, ND, in Mor several structu
14 S Minot	set the report Count before 12 Wind Adam 12	e stage for exten ed. The largest of ty, beginning at 2 being extinguish 1510CST 1516CST blew over a 600 p 15 1530CST 2100CST	sive lightning of these fires 2130 CST on led.	caused fire a burned nearly the 12th, and the 12th, and the 12th, and the ycle.	o 0 0	thin a few es of pastu g until 210 0	hours on the ever are and grassland t	ing of the 12th over o the south of Almor h. The fire threatened Thunderstorm V Wildfire	50 wildfires w tt, ND, in Mor several structu
14 S Minot NDZ044 Ward County	set the report Count before 12 Wind Adam 12 Dry li	e stage for exten ed. The largest of ty, beginning at 2 e being extinguish 1510CST 1516CST blew over a 600 is 1530CST 2100CST ghtning started w	sive lightning of these fires 2130 CST on led.	caused fire a burned nearly the 12th, and the 12th, and the 12th, and the ycle.	activity. Wi 7 1,200 across 1 continuing 0 0 of Hettinge	thin a few es of pastu g until 210 0 r. 700 acre	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor n. The fire threatened Thunderstorm V Wildfire s burned.	50 wildfires w t, ND, in Mor several structu Wind (EG52)
14 S Minot	set the report Count before 12 Wind Adam 12 Dry li 12	e stage for exten ed. The largest of ty, beginning at 2 e being extinguish 1510CST blew over a 600 p is 1530CST ghtning started w 1545CST 1555CST	sive lightning of these fires 2130 CST on red. pound motorc	caused fire a burned nearly the 12th, and cycle.	o o f hettinge 0 0 of Hettinge	thin a few es of pastu g until 210 0 r. 700 acre 0	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor h. The fire threatened Thunderstorm V Wildfire	50 wildfires w t, ND, in Mor several structu Wind (EG52)
14 S Minot NDZ044 Vard County 15 SW Sawyer	set the report Count before 12 Wind Adam 12 Dry li 12	e stage for exten ed. The largest of ty, beginning at 2 e being extinguish 1510CST 1516CST blew over a 600 p is 1530CST ghtning started w 1545CST	sive lightning of these fires 2130 CST on red. pound motorc	caused fire a burned nearly the 12th, and cycle.	o o f hettinge 0 0 of Hettinge	thin a few es of pastu g until 210 0 r. 700 acre 0	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor n. The fire threatened Thunderstorm V Wildfire s burned.	50 wildfires w t, ND, in Mor several structu Wind (EG52)
14 S Minot NDZ044 Vard County	set the report Count before 12 Wind Adam 12 Dry li 12	e stage for exten ed. The largest of ty, beginning at 2 e being extinguish 1510CST 1516CST blew over a 600 p is 1530CST ghtning started w 1545CST res of cut hay line 1610CST	sive lightning of these fires 2130 CST on red. pound motorc	caused fire a burned nearly the 12th, and cycle.	o o f hettinge 0 0 of Hettinge	thin a few es of pastu g until 210 0 r. 700 acre 0	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor n. The fire threatened Thunderstorm V Wildfire s burned.	50 wildfires w t, ND, in Mor several structu Wind (EG52)
14 S Minot XDZ044 Vard County 15 SW Sawyer Achenry County	set the report Count before 12 Wind Adam 12 Dry li 12 12 acr 12	e stage for exten ed. The largest of ty, beginning at 2 being extinguish 1510CST 1516CST blew over a 600 p 15 1530CST 2100CST ghtning started w 1545CST 1555CST res of cut hay line	sive lightning of these fires 2130 CST on red. pound motorce ildfires north d up in rows	caused fire a burned nearly the 12th, and the 12th, and even the 12th,	activity. Wi 7 1,200 across 1 continuing 0 0 of Hettinge 0 npletely aw 0	thin a few es of pastu g until 210 0 r. 700 acre 0 ay.	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor i. The fire threatened Thunderstorm V Wildfire s burned. Thunderstorm V	50 wildfires w t, ND, in Mor several structu Wind (EG52)
14 S Minot XDZ044 Vard County 15 SW Sawyer Achenry County	set the report Count before 12 Wind Adam 12 Dry li 12 12 acr 12	e stage for exten ed. The largest of ty, beginning at 2 e being extinguish 1510CST 1516CST blew over a 600 p is 1530CST ghtning started w 1545CST res of cut hay line 1610CST 1615CST	sive lightning of these fires 2130 CST on red. pound motorce ildfires north d up in rows	caused fire a burned nearly the 12th, and the 12th, and even the 12th,	activity. Wi 7 1,200 across 1 continuing 0 0 of Hettinge 0 npletely aw 0	thin a few es of pastu g until 210 0 r. 700 acre 0 ay.	v hours on the ever are and grassland t 00 CST on the 13th	ing of the 12th over o the south of Almor i. The fire threatened Thunderstorm V Wildfire s burned. Thunderstorm V	50 wildfires w t, ND, in Mor several structu Wind (EG52)

Beach 12 1700CST Hail ranged in size from pea size to quarter size. 0 0 Hail(1.00) Ichenry County 7 NW Towner 12 1710CST Hail ranged in size from pea size to quarter size. 0 0 25K Thunderstorm Wind (MG67) Vind speed measured with an anemometer. Extensive crop damage occurred. Vind speed measured with an anemometer. Extensive crop damage occurred. Thunderstorm Wind (EG78) Baita 12 1715CST 1730CST LT30CST 0 0 75K Thunderstorm Wind (EG78) Gen Utlin 12 1724CST 1725CST Gusty winds accompanied the storm with 0.44 inches of rain. Hail(1.00) Hail(1.00) Solden Valley County 10 N Sentinel Butte 12 1800CST 1800CST 0 0 Thunderstorm Wind (EG52) Hiver County 12 S Beulah 12 1800CST 1800CST 0 0 Pail(0.75) Is Bobel County 2 NW Beulah 12 1800CST 1800CST 0 20K Thunderstorm Wind (EG70) Is IS CST Roof form from barn. 12 1800CST 1815CST 0 0 Pail(0.75) Is Real County 8 S Riverdale 12 1815CST 1815CST 0 0 Panel Cloud	Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	er of sons Injured	Estimated Damage Property Crops	July 200 s Character of Storm
Beach 12 1700CST Hail ranged in size from pea size to quarter size. 0 0 Hail(1.00) Ichenry County 7 NW Towner 12 1710CST Hail ranged in size from pea size to quarter size. 0 0 25K Thunderstorm Wind (MG67) Vind speed measured with an anemometer. Extensive crop damage occurred. Vind speed measured with an anemometer. Extensive crop damage occurred. Thunderstorm Wind (EG78) Baita 12 1715CST 1730CST LT30CST 0 0 75K Thunderstorm Wind (EG78) Gen Utlin 12 1724CST 1725CST Gusty winds accompanied the storm with 0.44 inches of rain. Hail(1.00) Hail(1.00) Solden Valley County 10 N Sentinel Butte 12 1800CST 1800CST 0 0 Thunderstorm Wind (EG52) Hiver County 12 S Beulah 12 1800CST 1800CST 0 0 Pail(0.75) Is Bobel County 2 NW Beulah 12 1800CST 1800CST 0 20K Thunderstorm Wind (EG70) Is IS CST Roof form from barn. 12 1800CST 1815CST 0 0 Pail(0.75) Is Real County 8 S Riverdale 12 1815CST 1815CST 0 0 Panel Cloud	NORTH DAKOTA, (Central a	and West						
Hail ranged in size from pea size to quarter size. Itemenry County 12 1710CST 0 0 25K Thunderstorm Wind (MG67) 7 NW Towner 12 1710CST 0 0 7K Thunderstorm Wind (MG67) Vind speed measured with an anemometer. Extensive crop damage occurred. 0 0 7K Thunderstorm Wind (EG78) Balta 12 1715CST 0 0 7K Thunderstorm Wind (EG78) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torm off of a barn, many trees blown over. Roof damage to other buildings in town and damage to two single stall garages Hail(0.88) fercer County 12 1729CST 0 0 Fail(0.89) Glen Ullin 12 1729CST 0 0 Fail(0.89) Glen Ullin 12 1745CST 0 0 Fail(0.98) Glen Ullin 12 1745CST 0 0 Fail(0.98) Ion Sentine Butte 12 1800CST 0 0 Fail(0.98) Ion Sentine Butte 12 1800CST 0 0 Easier Ion Sentine Butte 12	Golden Valley County								
7 NW Towner 12 1710CST TISCST 0 0 25K Thunderstorm Wind (MG67) Wind speed measured with an anemometer. Extensive crop damage occurred. Vierce County Balta 12 1715CST TISCST 0 0 75K Thunderstorm Wind (MG67) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garages 0 0 75K Thunderstorm Wind (EG78) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garages 0 0 0 Hail(0.88) 12 1724CST 1729CST 0 0 Hail(0.09) 12 1745CST 1729CST 0 0 Hail(0.05) 12 1745CST 1755CST 0 0 Hail(0.75) 10 N Sentinel Butte 12 1800CST 0 Pail(0.75) 12 1800CST 1804CST 0 0 20K Thunderstorm Wind (EG70) 12 1800CST 1804CST 0 0 20K Thunderstorm Wind (EG70) 12 1805CST Roof torn from barm	Beach			n pea size to q	uarter size.	0	0		Hail(1.00)
7 NW Towner 12 1710CST TISCST 0 0 25K Thunderstorm Wind (MG67) Wind speed measured with an anemometer. Extensive crop damage occurred. Vierce County Balta 12 1715CST TISCST 0 0 75K Thunderstorm Wind (MG67) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garages 0 0 75K Thunderstorm Wind (EG78) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garages 0 0 0 Hail(0.88) 12 1724CST 1729CST 0 0 Hail(0.09) 12 1745CST 1729CST 0 0 Hail(0.05) 12 1745CST 1755CST 0 0 Hail(0.75) 10 N Sentinel Butte 12 1800CST 0 Pail(0.75) 12 1800CST 1804CST 0 0 20K Thunderstorm Wind (EG70) 12 1800CST 1804CST 0 0 20K Thunderstorm Wind (EG70) 12 1805CST Roof torn from barm	Mchenry County		-						
Heree County Balta121715CST 1730CST0075KThunderstorm Wind (EG78) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garagesforton County Glen Ullin121724CST 1729CST00Hail(0.88)fereer County 2 NW Beulah121745CST 1755CST Gusty winds accompanied the storm with 0.44 inches of rain.00Hail(1.00)iolden Valley County 10 N Sentinel Butte121800CST 1800CST00Hail(0.75)Wirer County 12 S Beulah121800CST 1804CST0020KThunderstorm Wind (EG52)Niver County 12 S Beulah121800CST 1815CST Roof torn from barn.0020KFunnel CloudIz S Beulah121812CST 1817CST000Funnel Cloud	• •		1715CST						K Thunderstorm Wind (MG67)
Balta 12 1715 CST 1730 CST 1730 CST 0 0 75K Thunderstorm Wind (EG78) Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garages 12 1742 CST 0 0 Hail(0.88) Aorton County 12 1745 CST 1729 CST 0 0 Hail(0.08) After County 12 1745 CST Custy winds accompanied the storm with 0.44 inches of rain. 0 0 Hail(1.00) Yolden Valley County 12 1800 CST 1806 CST 0 0 Thunderstorm Wind (EG52) Niver County 12 1800 CST 1806 CST 0 0 Hail(0.75) Iterer County 12 1800 CST 1806 CST 0 20K Thunderstorm Wind (EG70) 12 Seeulah 12 1800 CST 1804 CST 0 0 20K Thunderstorm Wind (EG70) 12 Seeulah 12 1805 CST 1815 CST Roof torn from barn. 0 0 20K Thunderstorm Wind (EG70) 12 S Beulah 12 1817 CST 0 0 Punel Cloud 8 S Riverdale		Wind	speed measured	with an anemo	meter. Exten	sive crop da	amage occ	urred.	
Much damage to a recreational area with picnic shelters and tables ripped apart. Roof torn off of a barn, many trees blown over, a grain bins blown over. Roof damage to other buildings in town and damage to two single stall garages forton County 12 1722CST 0 0 Hail(0.88) fercer County 12 1745CST 0 0 Hail(1.00) Solden Valley County 12 1800CST 0 0 Hail(0.75) Giver County 12 1800CST 0 0 Funderstorm Wind (EG52) Wirer County 12 1800CST 0 0 Funderstorm Wind (EG52) Wirer County 12 1800CST 0 0 Funderstorm Wind (EG52) Wirer County 12 1800CST 0 0 Funderstorm Wind (EG52) Hannover 12 1800CST 0 0 Edition (EG70) I2 S Beulah 12 1805CST ISICST Roof torm from barn. 0 0 20K Funnel Cloud Keen County 12 1812CST ISICST 0 0 20K Funnel Cloud I2 S Beulah 12 1812CST ISICST 0 0 Edean County	Pierce County Balta	12	1715CST			0	0	75K	Thunderstorm Wind (EG78)
Morton County Glen Ullin 12 1724CST 0 0 Hail(0.88) Morter County 2 NW Beulah 12 1745CST IVSSCST Gusty winds accompanied the storm with 0.44 inches of rain. 0 0 Hail(1.00) Golden Valley County 10 N Sentinel Butte 12 1800CST 1806CST 0 0 Thunderstorm Wind (EG52) Diver County Hannover 12 1800CST 1804CST 0 0 Hail(0.75) Lecer County 12 S Beulah 12 1805CST 1815CST Roof torn from barn. 0 0 20K Thunderstorm Wind (EG70) Kelean County 8 S Riverdale 12 1812CST 1817CST 0 0 Funnel Cloud			damage to a recr						n off of a barn, many trees blown over, a
Glen Ullin121724 CST 1729 CST00Hail(0.88)dercer County 2 NW Beulah121745 CST 1755 CST Gusty winds accompanied the storm with 0.44 inches of rain.00Hail(1.00)Golden Valley County 10 N Sentinel Butte121800 CST 1800 CST00Thunderstorm Wind (EG52)Diver County Hannover121800 CST 1804 CST00Hail(0.75)Lercer County 12 S Beulah121805 CST 1804 CST0020KLercer County 1815 CST Roof torm from barn.121805 CST 1817 CST0020KLetean County 8 S Riverdale121812 CST 1817 CST00Funnel Cloud		grain	bins blown over.	Roof damage	to other build	lings in tow	n and dam	age to two single	stall garages
IT29CST Mercer County 12 I745CST 0 0 Hail(1.00) 2 NW Beulah 12 1755CST 0 0 Hail(1.00) Gusty winds accompanied the storm with 0.44 inches of rain. 6 Thunderstorm Wind (EG52) Solden Valley County 12 1800CST 0 0 Thunderstorm Wind (EG52) Diver County 12 1800CST 0 0 Hail(0.75) Diver County 12 1800CST 0 0 Hail(0.75) Mercer County 12 1805CST 0 0 20K Thunderstorm Wind (EG70) 12 S Beulah 12 1805CST 0 0 20K Thunderstorm Wind (EG70) Aclean County 12 1815CST 0 0 Eucencounty Eucencounty 8 S Riverdale 12 1812CST 0 0 Funnel Cloud Iclean County 12 1812CST 0 0 Funnel Cloud	Morton County								
2 NW Beulah121745 CST 1755 CST Gusty winds accompanied the storm with 0.44 inches of rain.00Hail(1.00)Solden Valley County 10 N Sentinel Butte121800 CST 1806 CST00Thunderstorm Wind (EG52)Dliver County Hannover121800 CST 1804 CST00Hail(0.75)Aercer County 12 S Beulah121805 CST 1815 CST Roof torm from barn.0020KAfelean County 8 S Riverdale121812 CST 1817 CST00Punnel Cloud	Glen Ullin	12	1724CST 1729CST			0	0		Hail(0.88)
Gusty winds accompanied the storm with 0.44 inches of rain. Solden Valley County 12 1800CST 0 0 Thunderstorm Wind (EG52) Diver County 12 1800CST 0 0 0 Hail(0.75) Diver County 12 1800CST 0 0 20K Thunderstorm Wind (EG52) Diver County 12 1800CST 0 0 20K Thunderstorm Wind (EG70) Ifercer County 12 1805CST 0 0 20K Thunderstorm Wind (EG70) Icean County 12 1815CST 0 0 20K Funnel Cloud 8 S Riverdale 12 1812CST 0 0 Funnel Cloud Icean County 12 1812CST 0 0 Funnel Cloud	Mercer County	10	1745087			٥	0		H-21(1 00)
Golden Valley County 12 1800CST 0 0 Thunderstorm Wind (EG52) Diver County 12 1800CST 0 0 Hail(0.75) Hannover 12 1800CST 0 0 Hail(0.75) Mercer County 12 1805CST 0 0 20K Thunderstorm Wind (EG70) 12 S Beulah 12 1805CST 1815CST Roof torm from barn. 0 0 20K Thunderstorm Wind (EG70) Aclean County 12 1812CST 1817CST 0 0 Funnel Cloud Aclean County 12 1812CST 1817CST 0 0 Funnel Cloud	2 Nw Beulan			ied the storm	with 0.44 inc	-	U		Hall(1.00)
10 N Sentinel Butte121800CST 1806CST00Thunderstorm Wind (EG52)Diver County Hannover121800CST 1804CST00Hail(0.75)Aercer County 12 S Beulah121805CST 1815CST Roof torn from barn.0020KAtlean County 8 S Riverdale121812CST 1817CST00Punnel Cloud	Coldon Volloy County	Gusty	winds accompan	neu the storm	with 0.44 life	nes of ram.			
Hannover121800CST 1804CST00Hail(0.75)Mercer County 12 S Beulah121805CST 1815CST Roof torn from barn.0020KThunderstorm Wind (EG70)Mclean County 8 S Riverdale121812CST 1817CST00Funnel CloudMclean County121812CST 1817CST00Funnel Cloud		12	1800CST 1806CST			0	0		Thunderstorm Wind (EG52)
1804CST Intervention of the second seco	Oliver County								
12 S Beulah 12 1805CST 1815CST Roof torn from barn. 0 0 20K Thunderstorm Wind (EG70) Keelan County 8 S Riverdale 12 1812CST 1817CST 0 0 Funnel Cloud Aclean County Aclean County 12 1812CST 1817CST 0 0 Funnel Cloud	Hannover	12				0	0		Hail(0.75)
Roof torn from barn. Iclean County 8 S Riverdale 12 1812CST 0 0 Funnel Cloud 1817CST IST Iclean County	Mercer County	12	1905CGT			٥	0	2017	Thurdenstown Wind (EC70)
Aclean County 8 S Riverdale 12 1812CST 0 0 Funnel Cloud Aclean County 1817CST 0 0 Funnel Cloud	12 S Beulan					U	U	20K	I hunderstorm wind (EG70)
8 S Riverdale 12 1812CST 0 0 Funnel Cloud 1817CST 0 I Funnel Cloud	Malaan County	KUUI	torn nom barn.						
Aclean County	•	12	1812CST 1817CST			0	0		Funnel Cloud
Coleharbor 12 1827CST 0 2 3M Thunderstorm Wind (EG109)	Mclean County		1017051						
	Coleharbor	12	1827CST 1838CST			0	2	3M	Thunderstorm Wind (EG109)
		1		1	1 1 1 1 1		-	and the second second	in the second
			March 1994	1	1000		-		
						-		1 Conte	

North Dakota Department of Transportation Environmental Sensor Station along highway 83 at Coleharbor, Mclean County, North Dakota. Photo



National Weather Service Storm Data and Unusual Weather Phenomena

		Time	Path	Path	Numbe	er of	Estim	ated		July 2006
		Local/	Length	Width	Perso	ons	Dan	nage		
Location E	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

NORTH DAKOTA, Central and West

by Edwin Ryen, NDDOT.

A National Weather Service storm damage survey was completed 0715 CST to 1500 CST the day following the event, July 13, 2006. NWS meteorologist was accompanied by the Mclean County Emergency Manager. Damage was extensive and severe. Nearly every building in the town of about 80 people was damaged. The degree of damage varied with heavier damage to structures and trees on the west side of the town, including to a school built in 1916 and used until the mid 1960s. Just across highway 83, on the west side of town, an empty railroad coal car was off the tracks and on its side. The structural and tree damage pattern, coupled with comments from eye witnesses and 88D RADAR data, led to the determination that the event was a wet microburst with wind speeds in excess of 100 mph. Storms were multicellular in structure. Witnesses described a shelf cloud approaching, followed by the high wind, and then very heavy rain. There were two very minor injuries and no fatalities. The two injuries were in a camper that was rolled by the wind and destroyed. Coleharbor covers an area about 1/4 mile by 1/4 mile. Damage covered an area just under 4 km or just under 2 1/2 miles on a side. Outside of town the damage included a barn, many trees, and moved straw or hay bales. The ND Department of Transportation had weather instrumentation along highway 83 on the west side of Coleharbor. The Environmental Sensor Station had an engineered wind resistance of 120 mph and was lying on the ground following the storm. See photo. See entry for Mclean County 1 E Coleharbor 1828 CST to 1837 CST July 12, 2006.

Mclean County 1 E Coleharbor	12	1828CST	0	0	8K	Thunderstorm Wind (MG80)
I E Colenar Dor	12	1828CS1 1837CST	U	U	on	Thunderstorm while (WG80)
	outbu	ared with a Davis weather instrument. Severe ilding garage door. A witness 1 E Coleharbor yed by the high damaging wind.				1 1 0
Mclean County						
3 NW Coleharbor	12	1840CST 1848CST	0	0	10K	Thunderstorm Wind (EG65)
	Roof	blown off building and trees down.				
Mclean County						
5 S Ruso	12	1900CST 1904CST	0	0		Funnel Cloud
Mchenry County						
7 SSW Balfour	12	1922CST 1927CST	0	0		Funnel Cloud
Sheridan County						
7 W Mcclusky	12	1952CST 1958CST	0	0		Thunderstorm Wind (EG70)
	Very	strong outflow winds from thunderstorms ble	w over hay	bails.		
Pierce County						
Rugby	12	2030CST 2038CST	0	0		Thunderstorm Wind (EG70)
	Trees	up to 3 feet in diameter snapped in half.				
NDZ045	Sioux					
	18 21	1300CST 1800CST	0	0		Wildfire
	lightn	ing strike. The wildfire quickly grew out of	control as	a result of	low relative hu	ering for several hours following a morning midity values, south winds that gusted to 40 of assure and grassland, much of it in rough

A fire began in the early afternoon of the 18th to the west of Fort Yates after smoldering for several hours following a morning lightning strike. The wildfire quickly grew out of control as a result of low relative humidity values, south winds that gusted to 40 mph, and ongoing drought conditions. The fire consumed approximately 10,500 acres of pasture and grassland, much of it in rough terrain that made firefighting efforts difficult. Nine homes were evacuated the afternoon of the 18th. The North Dakota National Gaurd's helicopters assisted firefighting efforts by dropping water on the fire, which was not declared 100 percent contained until the evening of the 21st.

		Time	Datk	Deth	NT 1	or of	Estimat-1		July 2006
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	sons Injured	Estimated Damage Property Crops	Character of Storm	July 2000
NORTH DAKOTA, (Central a	and West							
NDZ035	Burle	igh							
	18	1400CST 1800CST			0	0		Wildfire	
		e 15 miles north o						in tall grass near a far fore it was brought und	
Golden Valley County									
Beach	20	1130CST 1145CST			0	0		Hail(1.00)	
Golden Valley County	20	1152007			0	0		11-:1(0.99)	
Beach	20 Dilas	1152CST 1157CST of hail.			0	0		Hail(0.88)	
Grant County	Plies	oi naii.							
3 SW New Leipzig	20	1332CST 1335CST			0	0		Hail(0.75)	
Logan County 8 S Gackle	20	1530CST			0	0	4K	Lightning	
	Lightı	1600CST						wing wood off near the	e door. Lightnin
Mclean County									
2 E Coleharbor	24 75 vo	0330CST 0400CST ar old barn was str	mak by lightn	ing aquabt fi	0	0 destroyed	15K	Lightning	
	75 yea	ai olu batti was su	fuck by fighti	ing, caugin n	ie, and was	destroyed			
Morton County Almont	24	1455CST			0	0		Hail(0.88)	
	Brief	1502CST very heavy rain a	nd a few hails	tones nickel s	size.				
Morton County									
18 SE New Salem	24	1522CST 1528CST			0	0		Thunderstorm W	ind (EG57)
	Very	heavy rain and a f	ew pea sized l	hail stones ac	companied	the wind.			
Burleigh County									
5 SW Bismarck	24	1600CST 1608CST			0	0		Hail(0.88)	
	50 mp	oh wind gusts acco	ompanied the	hail.					
Bowman County									
8 SW Bowman	24	2020CST 2026CST			0	0		Hail(0.75)	
Bowman County									
13 SE Bowman	26	1450CST 1455CST			0	0		Hail(0.75)	
	Lots o	of small hail. Larg	est stones wer	e penny size	d.				
Sioux County 10 W Ft Yates	26	1725CST			0	0		Thunderstorm W	ind (FC56)
10 11 It Ians		1723CS1 1731CST very heavy rain.			U	U		i nunuci storini w	mu (120 <i>30)</i>
Siony Country	1150	very neuvy faill.							
Sioux County Ft Yates	26	1729CST 1735CST			0	0		Thunderstorm W	ind (EG52)
La Moure County									



National Weather Service Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured		nated nage Crops	Character of Storm	July 2006
<u>NORTH DAKOTA,</u>	Central a	and West								
Mercer County 6 WSW Pick City	30	2015CST 2020CST			0	0			Hail(0.75)	
Williams County										
20 W Ray to 2 N Ray	31	0125CST 0155CST			0	0	20K	30K	Hail(1.75)	

Spotters indicated that the most intense part of the hail swath from this storm began around 20 miles west of Ray, just to the south of Blacktail Dam, and was around 1 mile wide as it extended to approximately 2 miles north of Ray. The hail was accompanied by damaging thunderstorm winds in excess of 60 mph, which broke out windows and resulted in 100 percent crop loss in the hardest hit areas.

Quarter size hail was also reported in the town of Ray, and was also accompanied by strong thunderstorm winds. This was part of the same storm which resulted in damage to the west and north of Ray.