Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
OKLAHOMA, Panhand	le				
(OK-Z001) CIMARRON, (OK-Z	Z002) TEXAS, (OK-Z003) BEAVER				
	12/01/21 00:00 CST		0	Drought	
	12/31/21 23:59 CST		0		
this contributed to worsenin feeding with range land gras	dry month for the combined Oklahoma and Te: g soil conditions. Soil across the area went fro ses being non-existent. Winter wheat was suff g lost to high wind events. Also, multiple wildfir	m dry to very dry. ering in dry lands.	Cattle and livesto There were even	ck needed supplemental reports of the dry soils	
(OK 2002) TEXAS					
(OK-Z002) TEXAS					
(OK-2002) TEXAS	12/05/21 20:40 CST		0	High Wind (MAX 51 kt)	
A strong upper level system winds. Much higher winds al	12/05/21 20:40 CST 12/05/21 20:53 CST dipped down into the Southern Plains. This se loft were able to mix down to the surface causin asured multiple wind gusts in excess of 58 mph	ng many winds to	0 ging south late in gusts upwards of	the evening with strong 64 mph. Several ground	
A strong upper level system winds. Much higher winds al	12/05/21 20:53 CST dipped down into the Southern Plains. This se oft were able to mix down to the surface causio	ng many winds to	0 ging south late in gusts upwards of	the evening with strong 64 mph. Several ground	
A strong upper level system winds. Much higher winds al stations across the area mea	12/05/21 20:53 CST dipped down into the Southern Plains. This se loft were able to mix down to the surface causi asured multiple wind gusts in excess of 58 mph	ng many winds to	0 ging south late in gusts upwards of ng of the 5th of De	the evening with strong 64 mph. Several ground cember.	
A strong upper level system winds. Much higher winds al stations across the area mea (OK-Z002) TEXAS Strong southwesterly winds in southeast Colorado the m under mostly clear skies fur hours, highest wind gusts m 70 mph were achieved. Stror limited visibility for drivers a hours between FM 1912 and	12/05/21 20:53 CST dipped down into the Southern Plains. This se loft were able to mix down to the surface causin asured multiple wind gusts in excess of 58 mph 12/10/21 09:13 CST	ng many winds to a during the eveni y on Friday, Dece thwest Kansas ar tion of the surfac g the early afterno istent blowing du accidents. US 287 red to I-40. A cold	0 ging south late in gusts upwards of ng of the 5th of De 0 0 mber 10th. The su d deepening furth e low in southeast oon hours. A few g sts produced wide was closed in bot front moved south	the evening with strong 64 mph. Several ground scember. High Wind (MAX 60 kt) rface cyclone developed her. Deep mixing occurred Kansas by the afternoon justs reported at or over espread conditions of h directions for several h through the Panhandles	
A strong upper level system winds. Much higher winds al stations across the area mea (OK-Z002) TEXAS Strong southwesterly winds in southeast Colorado the m under mostly clear skies furt hours, highest wind gusts m 70 mph were achieved. Stror limited visibility for drivers a hours between FM 1912 and starting around 3-4 PM on th the evening hours.	12/05/21 20:53 CST dipped down into the Southern Plains. This se loft were able to mix down to the surface causin asured multiple wind gusts in excess of 58 mph 12/10/21 09:13 CST 12/10/21 12:50 CST occurred across the Panhandles during the da orning of the 10th, before moving east into sou ther enhancing winds in the area. With the posi ainly occurred in the central Panhandles durin ng winds caused sporadic power outages. Pers icross the Panhandles which did lead to some a FM 2373 due to low visibility with traffic detour e 10th. In the wake of the cold front, cooler and Z002) TEXAS, (OK-Z003) BEAVER	ng many winds to a during the eveni y on Friday, Dece thwest Kansas ar tion of the surfac g the early afterno istent blowing du accidents. US 287 red to I-40. A cold	0 ging south late in gusts upwards of ng of the 5th of De 0 0 mber 10th. The su d deepening furth e low in southeast son hours. A few g sts produced wide was closed in bot front moved south ditions led to dimi	the evening with strong 64 mph. Several ground scember. High Wind (MAX 60 kt) rface cyclone developed her. Deep mixing occurred Kansas by the afternoon justs reported at or over espread conditions of h directions for several h through the Panhandles	
A strong upper level system winds. Much higher winds al stations across the area mea (OK-Z002) TEXAS Strong southwesterly winds in southeast Colorado the m under mostly clear skies furt hours, highest wind gusts m 70 mph were achieved. Stror limited visibility for drivers a hours between FM 1912 and starting around 3-4 PM on th the evening hours.	12/05/21 20:53 CST   dipped down into the Southern Plains. This selected to mix down to the surface causing asured multiple wind gusts in excess of 58 mph   12/10/21 09:13 CST   12/10/21 12:50 CST   occurred across the Panhandles during the date orning of the 10th, before moving east into souther enhancing winds in the area. With the positionally occurred in the central Panhandles during the gravity of the Panhandles which did lead to some as FM 2373 due to low visibility with traffic detour is 10th. In the wake of the cold front, cooler and the panhandles of the panhandles of the cold front of the panhandles of the pan	ng many winds to a during the eveni y on Friday, Dece thwest Kansas ar tion of the surfac g the early afterno istent blowing du accidents. US 287 red to I-40. A cold	0 ging south late in gusts upwards of ng of the 5th of De 0 0 mber 10th. The su d deepening furth e low in southeast oon hours. A few g sts produced wide was closed in bot front moved south	the evening with strong 64 mph. Several ground scember. High Wind (MAX 60 kt) rface cyclone developed her. Deep mixing occurred Kansas by the afternoon justs reported at or over espread conditions of h directions for several h through the Panhandles	

the area, but especially across the northern lexas and Oklahoma Panhandles. By mid-morning, winds were already gusting to well over 60 mph across the northwest half of the Panhandles. Wind gusts were measured at 70 to 90 mph by observation sites during the peak of the wind event which occurred between 11 am and 3 pm. Sustained winds ranged from 40 to 50 mph during this period and some site briefly measured sustained winds close to 60 mph. These winds led to damage to trees, powerlines, and roofs in areas where the strongest winds occurred. In addition, there were several reports of semi trucks being overturned across the area. Blowing dust caused widespread visibility reductions down to 1 to 3 miles and there were reports of localized areas where visibility dropped to less than a 1/4 mile leading to several major accidents and road closures. Three of the fires in the Panhandles were classified as significant wildfires as they raced uncontrolled across the landscape.

(OK-Z002) TEXAS			
	12/15/21 11:13 CST	0	Wildfire
	12/22/21 14:39 CST	0	

A potent storm system raced across Colorado and Kansas through the day, causing strong to extreme southwest to west winds across the area, but especially across the northern Texas and Oklahoma Panhandles. By mid-morning, winds were already gusting to well over 60 mph across the northwest half of the Panhandles. Wind gusts were measured at 70 to 90 mph by observation sites during the peak of the wind event which occurred between 11 am and 3 pm. Sustained winds ranged from 40 to 50 mph during this period and some site briefly measured sustained winds close to 60 mph. These winds led to damage to trees, powerlines, and roofs in areas where the strongest winds occurred. In addition, there were several reports of semi trucks being overturned across the area. Blowing dust caused widespread visibility reductions down to 1 to 3 miles and there were reports of localized areas where visibility dropped to less than a 1/4 mile leading to several major accidents and road closures. Three of the fires in the Panhandles were classified as significant wildfires as they raced uncontrolled across the landscape.

Location	Date/Time	Deaths &	Property &	Event Type and Details
		Injuries	Crop Dmg	



Pictures of the Cobb Fire in Texas County on December 15, 2021 provided by the Guymon Fire Department and the Oklahoma Forestry Services.

#### (OK-Z002) TEXAS

12/26/21 11:05 CST	0	High Wind (MAX 55 kt)
12/26/21 13:45 CST	0	

Strong winds once again overtook the combined OK and TX Panhandle. Southwest to westerly winds picked up to 20 to 30 mph with gusts between 40 and 50 mph. A handful of locations across the area managed to gust upwards of 58 to 64 mph. The highest gust of 64 mph was measured near Palo Duro Reservoir, TX. Impacts from these wind speeds were relatively minimal.

(OK-Z001) CIMARRON		
12/29/21 15:30	0 CST 0	Wildfire
12/31/21 13:50	0 CST 0	

Extreme drought conditions in the western Oklahoma Panhandle along with strong downsloping southwesterly winds and low afternoon relative humidity values and receptive fuels helped to contribute to a large grass fire in the western Oklahoma Panhandle.

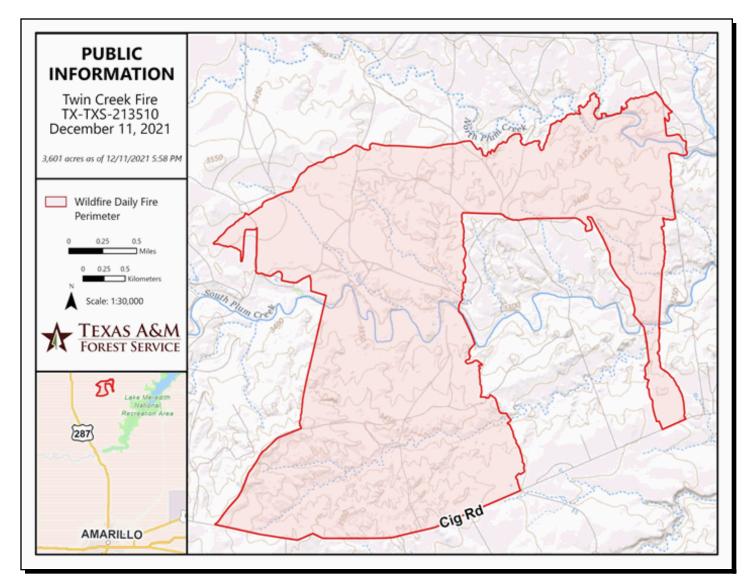
# TEXAS, North Panhandle

(TX-Z001) DALLAM, (TX-Z002) SHERMAN, (TX-Z003) HANSFORD, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z009)

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ROBERTS, (TX-Z010) HEMPHILL, (TX-Z	, ,, ,, ,,			, (TX-Z015) WHEELER, (TX-Z016)
DEAF SMITH, (TX-Z017) RANDALL COU		COLLINGSWORT		Descelt
	12/01/21 00:00 CST		0	Drought
	12/31/21 23:59 CST		0	
December was an extremely dry month his contributed to worsening soil cond eeding with range land grasses being eading to wheat fields being lost to hig uels being extremely dry.	ditions. Soil across the area went from non-existent. Winter wheat was suffe	m dry to very dry. ering in dry lands.	Cattle and livesto There were even	ck needed supplemental reports of the dry soils
TX-Z002) SHERMAN, (TX-Z003) HANSI	FORD, (TX-Z006) HARTLEY, (TX-Z008	) HUTCHINSON, (	TX-Z010) HEMPHI	LL, (TX-Z011) OLDHAM, (TX-Z012)
POTTER, (TX-Z013) CARSON, (TX-Z016		,	·	
	12/01/21 20:51 CST		0	High Wind (MAX 56 kt)
	12/05/21 23:19 CST		0	
rinds. Much higher winds aloft were al tations across the area measured mul (X-Z011) OLDHAM				
	12/05/21 22:00 CST		0	Wildfire
	12/06/21 02:00 CST		0	
TX-Z018) ARMSTRONG	12/07/21 12:00 CST 12/31/21 23:59 CST		0 0	Drought
December was an extremely dry month this contributed to worsening soil cond	ditions. Soil across the area went from	m dry to very dry. ering in dry lands.	Cattle and livesto There were even	reports of the dry soils
feeding with range land grasses being leading to wheat fields being lost to hig fuels being extremely dry. (TX-Z001) DALLAM, (TX-Z002) SHERMA HEMPHILL, (TX-Z011) OLDHAM, (TX-Z0	AN, (TX-Z003) HANSFORD, (TX-Z006)	HARTLEY, (TX-Z	007) MOORE, (TX-	
eading to wheat fields being lost to hig fuels being extremely dry. (TX-Z001) DALLAM, (TX-Z002) SHERM	AN, (TX-Z003) HANSFORD, (TX-Z006) )12) POTTER, (TX-Z014) GRAY, (TX-Z0 12/10/21 09:34 CST	HARTLEY, (TX-Z	007) MOORE, (TX- DUNTY, (TX-Z018) 0	
eading to wheat fields being lost to hig fuels being extremely dry. (TX-Z001) DALLAM, (TX-Z002) SHERM	AN, (TX-Z003) HANSFORD, (TX-Z006) 112) POTTER, (TX-Z014) GRAY, (TX-Z0	HARTLEY, (TX-Z	007) MOORE, (TX- DUNTY, (TX-Z018)	ARMSTRONG
leading to wheat fields being lost to hig fuels being extremely dry. (TX-Z001) DALLAM, (TX-Z002) SHERM/ HEMPHILL, (TX-Z011) OLDHAM, (TX-Z0 Strong southwesterly winds occurred a in southeast Colorado the morning of t under mostly clear skies further enhan hours, highest wind gusts mainly occu 70 mph were achieved. Strong winds c limited visibility for drivers across the hours between FM 1912 and FM 2373 d starting around 3-4 PM on the 10th. In t	AN, (TX-Z003) HANSFORD, (TX-Z006) 012) POTTER, (TX-Z014) GRAY, (TX-Z0 12/10/21 09:34 CST 12/10/21 16:10 CST across the Panhandles during the day the 10th, before moving east into sou icing winds in the area. With the posi- irred in the central Panhandles during aused sporadic power outages. Pers Panhandles which did lead to some a lue to low visibility with traffic detour	HARTLEY, (TX-ZC D17) RANDALL CC y on Friday, Dece thwest Kansas ar tion of the surface g the early afterno istent blowing du accidents. US 287 ed to I-40. A cold	007) MOORE, (TX- DUNTY, (TX-Z018) 0 0 mber 10th. The su d deepening furth e low in southeast on hours. A few g sts produced wide was closed in boo front moved south	ARMSTRONG High Wind (MAX 63 kt) Inface cyclone developed her. Deep mixing occurred Kansas by the afternoon gusts reported at or over espread conditions of th directions for several h through the Panhandles
leading to wheat fields being lost to hig fuels being extremely dry. (TX-Z001) DALLAM, (TX-Z002) SHERM/ HEMPHILL, (TX-Z011) OLDHAM, (TX-Z0 Strong southwesterly winds occurred a in southeast Colorado the morning of t under mostly clear skies further enhan hours, highest wind gusts mainly occu 70 mph were achieved. Strong winds c limited visibility for drivers across the hours between FM 1912 and FM 2373 d starting around 3-4 PM on the 10th. In t the evening hours.	AN, (TX-Z003) HANSFORD, (TX-Z006) D12) POTTER, (TX-Z014) GRAY, (TX-Z0 12/10/21 09:34 CST 12/10/21 16:10 CST across the Panhandles during the dat the 10th, before moving east into sou ucing winds in the area. With the posi- irred in the central Panhandles during aused sporadic power outages. Pers Panhandles which did lead to some a lue to low visibility with traffic detour the wake of the cold front, cooler and	HARTLEY, (TX-ZC D17) RANDALL CC y on Friday, Dece thwest Kansas ar tion of the surface g the early afterno istent blowing du accidents. US 287 ed to I-40. A cold	007) MOORE, (TX- DUNTY, (TX-Z018) 0 0 mber 10th. The su d deepening furth e low in southeast on hours. A few g sts produced wide was closed in boo front moved south	ARMSTRONG High Wind (MAX 63 kt) Inface cyclone developed her. Deep mixing occurred Kansas by the afternoon gusts reported at or over espread conditions of th directions for several h through the Panhandles
leading to wheat fields being lost to hig fuels being extremely dry. (TX-Z001) DALLAM, (TX-Z002) SHERM/ HEMPHILL, (TX-Z011) OLDHAM, (TX-Z0 Strong southwesterly winds occurred a in southeast Colorado the morning of t under mostly clear skies further enhan hours, highest wind gusts mainly occu 70 mph were achieved. Strong winds c limited visibility for drivers across the hours between FM 1912 and FM 2373 d starting around 3-4 PM on the 10th. In t	AN, (TX-Z003) HANSFORD, (TX-Z006) D12) POTTER, (TX-Z014) GRAY, (TX-Z0 12/10/21 09:34 CST 12/10/21 16:10 CST across the Panhandles during the dat the 10th, before moving east into sou ucing winds in the area. With the posi- irred in the central Panhandles during aused sporadic power outages. Pers Panhandles which did lead to some a lue to low visibility with traffic detour the wake of the cold front, cooler and	HARTLEY, (TX-ZC D17) RANDALL CC y on Friday, Dece thwest Kansas ar tion of the surface g the early afterno istent blowing du accidents. US 287 ed to I-40. A cold	007) MOORE, (TX- DUNTY, (TX-Z018) 0 0 mber 10th. The su d deepening furth e low in southeast on hours. A few g sts produced wide was closed in boo front moved south	ARMSTRONG High Wind (MAX 63 kt) Inface cyclone developed her. Deep mixing occurred Kansas by the afternoon gusts reported at or over espread conditions of th directions for several h through the Panhandles

Underlying drought, critical fuel dryness and elevated to critical fire weather combined to produce a fire environment supportive of significant fire activity. Extreme fire behavior and fast rate of spread was observed.





GPS mapping of the Twin Creek wildfire on December 10, 2021 provided by the Texas A&M Forest Service.

(TX-Z004) OCHILTREE, (TX-Z005) LIPSCOMB					
	12/14/21 12:00 CST	0	Drought		
	12/31/21 23:59 CST	0			

December was an extremely dry month for the combined Oklahoma and Texas Panhandles. Absolutely no precipitation occurred and this contributed to worsening soil conditions. Soil across the area went from dry to very dry. Cattle and livestock needed supplemental feeding with range land grasses being non-existent. Winter wheat was suffering in dry lands. There were even reports of the dry soils leading to wheat fields being lost to high wind events. Also, multiple wildfires occurred during high wind events during the month with fuels being extremely dry.

(TX-Z001) DALLAM, (TX-Z002) SHERMAN, (TX-Z003) HANSFORD, (TX-Z004) OCHILTREE, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z014) GRAY, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY

12/15/21 09:20 CST	0	High Wind (MAX 78 kt)
12/15/21 15:51 CST	0	

A potent storm system raced across Colorado and Kansas through the day, causing strong to extreme southwest to west winds across the area, but especially across the northern Texas and Oklahoma Panhandles. By mid-morning, winds were already gusting to well over 60 mph across the northwest half of the Panhandles. Wind gusts were measured at 70 to 90 mph by observation sites during the peak of the wind event which occurred between 11 am and 3 pm. Sustained winds ranged from 40 to 50 mph during this period and some site

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
briefly measured sustained winds clo	se to 60 mph. These winds led to da	mage to trees, powe	erlines, and roofs	in areas where
strongest winds occurred. In addition	, there were several reports of semi	trucks being overtu	rned over in the a	rea. Blowing dust
caused widespread visibilities of 1 to	3 miles and there were reports of lo	calized visibilities o	f less than a 1/4 m	nile that led to several
additional major accidents in the area	, which led to road closures. The cc	mbination of high w	rinds, ongoing dro	ought, and very dry
conditions also led to 6 or more wildfi	res across the area which was on th	he southern end of a	significant wildfi	re outbreak that
extended well into Kansas. Three of the	ne fires in the Panhandles were clas	sified as significant	wildfires as they	raced uncontrolled
across the landscape. The Parker Cre	ek Fire (7000 acres as of Dec 16th) ه	started in northwest	Oldham county, b	priefly threatened the city
of Channing in southeast Hartley Cou	nty and crossed into southwest Mo	ore County before b	eing contained wi	th the help of agricultural
barriers. The Cobb fire (7,987 acres as	of Dec 16) started in Texas County	and raced east thre	atening Guymon,	prompting evacuations
and the issuance of Fire Warnings for	the west side of the city before being	ng controlled. The N	orth 207 Fire (15,0	000 acres as of Dec 16th)
started along Highway 207 in northern	ا Carson County between Borger ar	nd Panhandle. This f	ire raced east, mo	ved across a canyon area,
and threatened Skellytown, prompting	J evacuations and the issuance of F	ire Warnings. This fi	re finally slowed i	its progress near the
Pampa Airport and Wayside as winds	subsided in the evening.			

(TX-Z011) OLDHAM, (TX-Z013) CARSON			
	12/15/21 11:15 CST	0	Wildfire
	12/19/21 16:29 CST	0	

A potent storm system raced across Colorado and Kansas through the day, causing strong to extreme southwest to west winds across the area, but especially across the northern Texas and Oklahoma Panhandles. By mid-morning, winds were already gusting to well over 60 mph across the northwest half of the Panhandles. Wind gusts were measured at 70 to 90 mph by observation sites during the peak of the wind event which occurred between 11 am and 3 pm. Sustained winds ranged from 40 to 50 mph during this period and some site briefly measured sustained winds close to 60 mph. These winds led to damage to trees, powerlines, and roofs in areas where the strongest winds occurred. In addition, there were several reports of semi trucks being overturned across the area. Blowing dust caused widespread visibility reductions down to 1 to 3 miles and there were reports of localized areas where visibility dropped to less than a 1/4 mile leading to several major accidents and road closures. Three of the fires in the Panhandles were classified as significant wildfires as they raced uncontrolled across the landscape.



Pictures of the Parker Creek Wildfire that began in Oldham County on December 15, 2021 provided by the Texas A&M Forest Service.

(1A-2002) SHERMAN, (1A-2003) HA	ANSFORD, (TX-Z006) HARTLEY, (TX-Z011) OLDH	AM, (TX-Z012) POTTER	, (TX-Z013) CARSON, (TX-Z014) GRAY,	
TX-Z016) DEAF SMITH, (TX-Z017)	RANDALL COUNTY			
	12/24/21 13:21 CST	0	High Wind (MAX 53 kt)	
	12/24/21 15:35 CST	0		
Strong dynamics were present on	the afternoon of the 24th with the presence of an	upper level iet. Winds	gusted 40 to 50 mph as	
•••	face. A few weather observation stations measu			
occasions across the Texas Panha			····	
(TX-Z002) SHERMAN, (TX-Z003) HA	ANSFORD, (TX-Z006) HARTLEY, (TX-Z011) OLDH	АМ		
		•	LISTE MARY FOLD	
	12/26/21 12:15 CST	0	High Wind (MAX 56 kt)	
	12/26/21 12:15 CST 12/26/21 15:11 CST	0	High Wind (MAX 56 Kt)	
Strang windo ando again overtook	12/26/21 15:11 CST	0		
•	12/26/21 15:11 CST the combined OK and TX Panhandle. Southwest	0 to westerly winds pick	ed up to 20 to 30 mph with	
gusts between 40 and 50 mph. A ha	12/26/21 15:11 CST the combined OK and TX Panhandle. Southwest andful of locations across the area managed to g	0 to westerly winds pick	ed up to 20 to 30 mph with	
gusts between 40 and 50 mph. A ha	12/26/21 15:11 CST the combined OK and TX Panhandle. Southwest andful of locations across the area managed to g	0 to westerly winds pick	ed up to 20 to 30 mph with	
• •	12/26/21 15:11 CST the combined OK and TX Panhandle. Southwest andful of locations across the area managed to g	0 to westerly winds pick	ed up to 20 to 30 mph with	
gusts between 40 and 50 mph. A hamping and between 40 and 50 mph. A hamping and between 40 mph. A hamping and b	12/26/21 15:11 CST the combined OK and TX Panhandle. Southwest andful of locations across the area managed to g	0 to westerly winds pick	ed up to 20 to 30 mph with	

Worsening drought conditions in the severe to extreme category along with strong southwest winds and low relative humidities during

Location	Date/Time	Deaths &	Property &	Event Type and Details
		Injuries	Crop Dmg	

the afternoon and also receptive fuels contributed to a large wildfire in the western Texas Panhandle.