



		Time	Path	Path	Numb		Estin		February 19	998
		Local/	Length	Width	Pers	sons	Dan	nage		
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

## DISTRICT OF COLUMBIA

DCZ001	Distric 04	t Of Columbia 0800EST 2000EST	0	0	<b>Gusty Winds</b>
District Of Columbia Northwest Portion	04 05	1200EST 1200EST	0	0	Flood

A powerful nor'easter, laden with abundant tropical moisture from the Gulf of Mexico and the Caribbean, dumped between 2 and 4 inches of rain across the Washington DC metropolitan region from early morning of the 4th through late evening on the 5th. In the city itself, storm totals ranged from 2 to 3 inches, with Reagan National Airport (DCA) recording 2.47 inches. The 2.01 inches that fell on the 4th shattered the 66 year old record of 1.61 inches for the date. Accompanying the rain were north to northeast winds which reached sustained values of 25 to 35 mph and gusted to 45 mph.

Routine flooding, especially given the already saturated soil, caused portions of Rock Creek to exceed bankful and closed the adjacent Rock Creek Parkway for various lengths of time on the 4th and 5th. The gusty winds may have uprooted a few trees and knocked some limbs down. Power outages were scattered around the metropolitan region.

DCZ001 District Of Columbia

17 1300EST 0 0 Gusty Winds 1700EST

The gradient between developing low pressure over the southeast U.S. and departing strong high pressure over New England produced east winds which increased to 25 to 35 mph, with gusts to 40 mph, during the afternoon. The winds resulted in scattered tree and power line damage, causing some customers to lose electricity. No substantial property damage was reported.

DCZ001 District Of Columbia

24 1200EST 0 0 Gusty Winds 1700EST

An intensifying storm off the middle Atlantic coast produced sustained winds of 25 to 35 mph with frequent gusts between 40 and 45 mph over the Washington DC metropolitan region during the afternoon. Winds gradually diminished after sunset; a combination of the departing storm and the loss of daytime heating. Scattered tree, limb, and power line damage may have occurred as well

## MARYLAND, Central

04 0600EST 0 0 5K Winter Storm

A powerful nor'easter, laden with deep moisture from the Gulf of Mexico and the Caribbean, produced a prolonged period of mixed snow, sleet, freezing rain, and rain across northwestern Maryland. As had been the case with previous events, snow totals varied greatly with elevation. For example, barely an inch of snow fell in Hagerstown (MDZ003) before precipitation changed to rain. However, immediately west, between 3 and 5 inches fell from Clear Spring to Hancock. Accumulation increased dramatically with elevation in Allegany Co. In the Cumberland area, 6 to 8 inches fell, but accumulations increased to 12 inches in Frostburg with an estimated 16 to 20 inches along nearby ridge tops.

Calvert County Countywide	04 05	0800EST 1400EST	0	0	30K		Flood
Charles County							
Countywide	04 05	0800EST 1400EST	0	0	25K		Flood
MDZ004>007-009>011- 013>014-016>018		ick - Carroll - Northern Baltimore - Harford Arundel - Charles - St. Mary'S - Calvert	d - Montg	omery -	Howard -	Southern 1	Baltimore - Prince Georges -
	04	0800EST 2000EST	0	0	145K	200K	<b>Gusty Winds</b>
MDZ014-016>018	Anne A	rundel - Charles - St. Mary'S - Calvert					
	04 05	0800EST 1400EST	0	0	650K		Coastal Flooding
St. Mary'S County							
Countywide	04 05	0800EST 1400EST	0	0	50K		Flood





		Time Local/	Path Length	Path Width	Numb Per	per of sons		nated nage	Fe	bruary 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

### MARYLAND, Central

Anne Arundel County						
Countywide	04 05	1000EST 1400EST	0	0	10K	Flood
Prince George'S County						
Countywide	04 05	1000EST 1400EST	0	0	5K	Flood
<b>Washington County</b>						
East Portion	04 05	1400EST 1400EST	0	0	5K	Flood

A powerful nor'easter, carrying copious moisture from the Gulf of Mexico and Caribbean region, dumped between 2 and 4 inches of rain across much of Maryland between the foothills and the Chesapeake Bay. Highest totals, ranging from 3 to 5 inches, fell in lower southern Maryland, causing widespread flooding of low lying areas and small streams and creeks. The nor'easter, coming on the heels of one just a week earlier, caused tides of 3 to 4 feet above normal from the Calvert Co/Anne Arundel Co line south to Point Lookout in extreme southeastern St Mary's Co; and along the lower tidal Potomac River along the Charles and St Mary's shoreline, including Cobb Island and St George Island. A daily rainfall record was broken at Baltimore/Washington International Airport (BWI); the 1.65 inches that fell on the 4th broke the 78 year-old Baltimore area mark of 1.48 inches.

Flooding was most pronounced in St Mary's Co. During the peak of the storm, 26 roads were closed due the combination of wind and rain. Nine roads were closed due to flooding alone. State thoroughfares affected included routes 5, 237, 238, 243, and 271.

Evacuations were initiated in Great Mills and on St George Island due to rapid increases in tide levels. At least 200 residents were evacuated, including one 3 year-old boy who required a water rescue. Four fire fighters were treated for hypothermia at St Mary's hospital. Some cars were nearly submerged in low-lying areas. In the Golden Beach neighborhood, Lake White overspilled its banks, and poor drainage contributed to the misery. The dam at St Mary's Lake held; overflow problems were minimal.

The sewage system serving Lexington Park failed due to the abnormally heavy flow of water which caused manholes to flood. For example, the treatment plant, which normally has a flow of 3.5 million gallons in a two-day period, had a flow of nearly six times that much (18 million gallons) on the 4th and 5th. Schools closed at noon on the 4th and didn't reopen until the 6th.

Other minor sewage backups were reported farther north in Frederick and Carroll Cos.

Inland flooding was less extensive in Charles and Calvert Cos, but a problem nonetheless. In Charles Co, 25 roads were closed at the peak of the flooding; numerous vehicles were reportedly stranded throughout the county. Hydrologic observers recorded up to 4 1/2 inches of rain. Coastal flooding forced evacuations of Cobb Island; the island was cutoff from the mainland at around 0700EST on the 5th, with conditions returning to normal by 1600EST.

Other coastal flooding affected Calvert Co, from Solomons Point to North Beach. The moderate flooding extended into extreme southern Anne Arundel Co just north of North Beach. Local officials in North Beach noted that up to one-half of the beach was pushed southward by the pounding waves; an outfall was trapped open by the action of the shifting sand, causing Bay water to inundate local roads and some establishments. The degree of erosion was greater than that associated with the remnants of hurricane Fran in 1996.

Minor flooding affected the Annapolis City Dock (MDZ014), but sandbags protected most establishments. Around 1 foot of water covered the dock area.

Other flooding across the state closed seven roads in Anne Arundel Co. Across Washington Co, especially in and near Hagerstown, early snow quickly changed to heavy rain. Minor flooding closed at least a dozen secondary and tertiary roads, and numerous basements were flooded. Only minor flooding was observed in the remaining counties east of the mountains.

The heavy rains may have contributed to an automobile accident in Westminster (Carroll Co) where three persons were killed in the two vehicles involved.

The storm was accompanied by gusty winds, especially over and east of the piedmont. In general, sustained winds averaged 25 to 35 mph, except 30 to 40 mph along the coastal plain. Wind gusts likely exceeded 50 mph along the coastal plain, especially on the immediate shoreline of the Bay and tidal Potomac River. Dozens of trees fell, many onto local roadways. In Charles Co alone, eighty trees and large limbs were reported down, thirty on Cobb Island. Other road closures in St Mary's, Calvert, Anne Arundel, and southeastern Prince George's Co were due to fallen trees or limbs. The combination of BG&E, PEPCO, and SMECO reported nearly 15,000 customers without power at the height of the storm. Four thousand customers were affected in St Mary's, 5000 in Anne Arundel, 1793 in Calvert, and 1550 in southeastern Prince George's and Charles Cos. Two homes in the Severna Park (MDZ014) area received minor structural damage from fallen trees. In Montgomery Co, a new football scoreboard was blown down at a Germantown high school. A tractor-trailer flipped over along interstate 70 in western Frederick Co (MDZ004) near the Myersville exit (S.R. 17).





February 1998 Path Length (Miles) Estimated Time Local/ Path Width Number of Persons Damage ty <u>Crops</u> Date Character of Storm (Yards Injured Standar MARYLAND, Central MDZ005>007-009>011-Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel 013>014 1300EST 1700EST 25K **Gusty Winds** The gradient between developing low pressure over the southeast U.S. and departing strong high pressure over New England produced east winds which increased to 25 to 35 mph with frequent gusts to 45 mph during the afternoon. The winds produced scattered tree and power line damage, causing an estimated 5000 customers in the Baltimore/Washington metropolitan region to be without electricity. An individual feeder line in northeastern Howard Co (MDZ010) was struck by a tree, knocking out power to an additional 10,000 customers. No substantial property damage was reported. **Charles County** La Plata 2310EST Hail (1.00) A line of strong to severe thunderstorms moved through lower southern Maryland in association with the passage of a warm front followed by an occluded front. Nickel to quarter sized hail fell just north of La Plata. **MDZ002** Allegany 1500EST 0400EST Snow Low pressure over the southeast U.S. combined with just enough cold air along and just east of the Appalachian Mountains to produce light to moderate snow across Allegany Co during the afternoon and overnight hours spanning the 23rd and 24th. As with previous events, elevation made a large difference in total accumulation. For example, while nearly 4 inches fell at Sideling Hill just west of Hancock, only 1 to 3 inches fell in Barton, LaVale, and Cumberland. Highest totals (4 inches or more) fell in Frostburg and nearby higher terrain. **MDZ004** Frederick 0700EST 24 **High Wind** Channelling high winds slammed into west central Frederick Co along Jefferson Pike, causing substantial damage to an established home. Damage included half a roof ripped off of a 20 by 40 foot garage; concrete blocks were zipped off of one garage wall. Siding was stripped from one wall of the house; two parked automobiles sustained minor damage from wind-driven debris. MDZ002>007-009>011-Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern 013>014-016>018 Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert Gusty Winds An intensifying storm off the middle Atlantic coast produced sustained northwest winds of 25 to 32 mph with frequent gusts in excess of 40 mph over all of Maryland west of the Bay during the afternoon. Winds gradually diminished after sunset; a combination of the departing storm and the loss of daytime heating. There was one instance of substantial property damage. In Owings Mills (MDZ006), an unfinished townhouse collapsed as the walls were being constructed. One worker suffered facial abrasions; he had just walked out of the building but was briefly trapped underneath fallen walls. Another carpenter escaped unharmed. Scattered tree, limb, and power line damage likely occurred as well. VIRGINIA, North VAZ021-025>031 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke 0400EST 2000EST Winter Storm VAZ025>031-036>042 Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison -

Rappahannock - Fauquier - Loudoun

04 2200EST 0 0 125K 1.2M Ice Storm 05 2200EST

A powerful nor'easter, laden with deep moisture from the Gulf of Mexico and the Caribbean, produced a prolonged period of mixed snow, sleet, freezing rain, and rain across the northwest corner of Virginia. As had been the case with previous events, snow totals varied greatly with elevation. In most of the lower terrain, between 4 and 6 inches accumulated. Local high spots, such as Harrisonburg (VAZ026) and Waynesboro (VAZ025) received between 6 and 8 inches. Elevations above 2000 feet in the Shenandoah Mountains received between 8 and 16 inches of snow.

One person perished from a heart attack while shoveling snow in Harrisonburg (VAZ026). The combination of heavy wet snow, and rain falling on top of it, caused a 50 by 80 foot area of roof to collapse at a food storage and distribution center in Lynnhurst (VAZ025). Considerable damage was sustained at a home in Waynesboro when a tree, weighed down by snow and ice, fell onto the roof causing a partial collapse. In Highland Co (VAZ021), 50 roads were closed due to blowing and drifting snow; some of the drifts were as high as 6 feet. The weight of the snow caused isolated power outages.

The snow changed to a cold rain in lower elevations after noon on the 4th. The combination of wet snow, an old snow pack, and moderate rains produced local street flooding in Waynesboro and Staunton (VAZ025). There were scattered power outages as





## VIRGINIA, North

well - in Augusta Co (VAZ025), a reported 6000 customers were without power; 3000 were due to a failed substation in Dayton.

Substantial ice accretion occurred at elevations above 2000 feet as surface temperatures remained just below freezing during moderate to heavy rains. The ice was 5 inches thick in some spots. The amount of ice accretion rivaled some of the fiercest storms in the past ten years, including those of the winter of 1993/94. Shenandoah National Park officials closed Skyline Drive for at least one week after the storm. In fact, park officials, employees, and volunteers spent the remainder of February clearing trees and debris. Damage was estimated to be \$607 thousand in the Park alone. As of mid-April, there were still hundreds of trees to remove. Tens of thousands of trees and large limbs succumbed to the weight of the ice; the road itself was under at least 10 inches of ice and sleet. Power outages, though affecting relatively few customers in the high terrain, were widespread in those areas.

Other problems were noted farther north, in Clarke, Frederick, and Loudoun Cos (VAZ028-031-042). In northwestern Loudoun Co, over one hundred trees needed to be removed from local roadways; school buses were delayed in the same areas. Between 150 and 175 customers were without power in higher terrain areas of northwest Loudoun Co. In Nelson Co (VAZ036), the Wintergreen ski and recreational resort area was closed on the 5th due to ice accretion.

#### VAZ036>042-050>057

Gradient flow between a large high pressure system over the Great Lakes region and the powerful nor'easter developing along the southeast U.S. coast produced sustained winds of 25 to 35 mph with frequent gusts in excess of 40 mph. Some gusts exceeded 50 mph, especially at higher elevations and along the coastal plain. Dozens of medium to large limbs and some whole trees were knocked down, most common across the upper northern neck region. Power outages were scattered but common throughout portions of the Commonwealth.

Though damage was not widespread, a barn was blown down along state route 151 in Roseland (VAZ036).

Albemarle County						
Countywide	04 05	0900EST 1400EST	0	0		Flood
<b>Greene County</b>						
Countywide	04 05	0900EST 1400EST	0	0	5K	Flood
King George County						
Countywide	04 05	0900EST 1400EST	0	0	5K	Flood
<b>Madison County</b>						
Countywide	04 05	0900EST 1400EST	0	0	15K	Flood
Nelson County						
Countywide	04 05	0900EST 1400EST	0	0	10K	Flood
Orange County						
Countywide	04 05	0900EST 1400EST	0	0		Flood
Spotsylvania County						
Countywide	04 05	0900EST 1400EST	0	0	5K	Flood
Stafford County						
Countywide	04 05	0900EST 1400EST	0	0	10K	Flood
Arlington County						
Countywide	04 05	1000EST 1400EST	0	0		Flood
Culpeper County						
Countywide	04 05	1000EST 1400EST	0	0	10K	Flood





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of rsons Injured	Estir Dar Property	nated mage Crops	February 1998 Character of Storm
VIRGINIA, North									
Fairfax County									
Countywide	04 05	1000EST 1400EST			0	0	2K		Flood
Prince William County									
Countywide	04 05	1000EST 1400EST			0	0	7K		Flood
Rappahannock County									
Countywide	04 05	1000EST 1400EST			0	0	5K		Flood
Fauquier County									
Countywide	04 05	1100EST 1400EST			0	0	15K		Flood
<b>Loudoun County</b>									
Countywide	04 05	1100EST 1400EST			0	0	20K		Flood
Clarke County									
Countywide	05	0800EST 1400EST			0	0	10K		Flood
Frederick County									
Countywide	05	0800EST 1400EST			0	0	10K		Flood
Page County									
Countywide	05	0800EST 1400EST			0	0	5K		Flood
Shenandoah County									
Countywide	05	0800EST 1400EST			0	0	15K		Flood
Warren County									
Countywide	05	0800EST 1400EST			0	0	5K		Flood
									n, dumped between 2 and 4 inches of

A powerful nor'easter, carrying copious moisture from the Gulf of Mexico and the Caribbean, dumped between 2 and 4 inches of rain, with up to 5 1/2 inches at some higher elevations in the Blue Ridge, onto already saturated soil from previous events. Widespread minor to moderate flooding was the result. The flooding began later west of the Blue Ridge, since the precipitation began initially as snow. Hundreds of roads were closed mainly due to overflowing small streams and creeks, as well as high standing water. Some counties with high total road closures included Fauquier (36), Culpeper (29), Prince William (27), Loudoun (25), and Shenandoah (20).

Numerous roads were also closed farther east; in the Stafford/Spotsylvania/southern Prince William area, the dam at Lake Jackson was reported to be 6.85 feet above flood stage. Measured storm total rainfall at the Quantico Marine Corps station was 4.22 inches. Daily rainfall records were broken at Dulles International Airport (IAD - Loudoun Co) on the 4th and 5th. On the 4th, 2.16 inches fell; on the 5th, an additional 0.46 inches fell.

Several water rescues were required on the 4th when vehicles stalled or began to float away. A woman drowned in Clarke Co after being driven into flood waters along the Shenandoah River. The reason for her death was under investigation. A vehicle driven into Page Brook (Clarke Co) became stranded, forcing a water rescue. In parts of Augusta Co, where moderate rains fell onto 4 to 6 inches of wet snow, numerous roads became clogged and flooded; 75 National Guard troops were called in for assistance. Clogged drainage systems also became a problem, leading to sewage backups and waste water dumping into the Shenandoah River.

Several school districts closed for all or a portion of the 4th and 5th due to the widespread minor flooding and continued threat of heavy rain.



04 1400EST 0 0 1K Tidal Flooding 05 1400EST

The nor'easter which pummeled the middle Atlantic coastline for nearly 48 hours caused water to back up in the Chesapeake Bay and tidal Potomac River. That, in combination with continued wave action, produced tides at least 2 feet above normal near Alexandria. Minor flooding was noted along the waterfront, including Prince Street, lower King Street, and Union Street. Damage was minimal since advance warning allowed business owners to cover flood-prone areas with sand bags.





Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

## VIRGINIA, North

VAZ021-025>026	Highla	nd - Augusta - Rockingham				
	06	0700EST 1100EST	0	0		Snow
	moder	al low- and mid-level atmospheric forcing assate snow across the central Shenandoah Valley ocal high spots receiving up to 4 inches.				
Augusta County						
East Portion	17	1000EST 1600EST	0	0	10K	Flood
<b>Greene County</b>						
Countywide	17	1000EST 1700EST	0	0	2K	Flood
<b>Madison County</b>						
Countywide	17	1000EST 1700EST	0	0	10K	Flood
Page County						
South Portion	17	1000EST 1600EST	0	0	2K	Flood
<b>Rockingham County</b>						
East Portion	17	1000EST 1600EST	0	0	5K	Flood
<b>Culpeper County</b>						
Countywide	17	1100EST 2100EST	0	0	10K	Flood
<b>Fauquier County</b>						
Countywide	17	1100EST 2100EST	0	0		Flood
Orange County						
West Portion	17	1100EST 2100EST	0	0	5K	Flood
Rappahannock County						
Countywide	17	1100EST 1700EST	0	0	2K	Flood
VAZ042-052>054	Loudo	un - Prince William - Fairfax - Arlington				
	17	1300EST 1700EST	0	0	2K	<b>Gusty Winds</b>
Alexandria (C)						
Alexandria	17	2000EST 2300EST	0	0	2K	Tidal Flooding

Intensifying low pressure, containing abundant moisture from the Gulf of Mexico, moved along the Appalachian Mountains during the late morning and afternoon of the 17th. The system, which entrained tropical air, dumped between 1 and 2 inches of rain in valleys and between 3 and 3 1/2 inches in the mountains. The rain, falling onto saturated soil from previous storms, caused minor flooding of creeks and streams in portions of the western Virginia piedmont and the Shenandoah Valley. There was at least one confirmed water rescue, occurring on Christians Creek (Augusta Co) near the town of Verona. A daily rainfall record was broken at IAD (Loudoun Co); 1.36 inches fell.

As the storm system moved north of the region, most of the rain ended. However, a thin line of showers and thunderstorms developed after 1600EST along and just east of the Blue Ridge and remained nearly stationary for several more hours, dumping additional rains of nearly an inch across portions of Orange and Culpeper Cos. The additional rainfall maintained flooding conditions in these areas. One Orange Co location reported a storm total of 3.5 inches.

Flooding in Culpeper Co closed 20 roads, though some were along the Rapidan River along the southern border. In Waynesboro (Augusta Co), eight streets were flooded due to high standing water.

The gradient between the low and a fairly strong high pressure area over New England caused east winds to increase to 30 to 35 mph with brief gusts in excess of 45 mph over a small area of northern Virginia encompassing the suburbs of Washington, DC. Damage was relatively minor, consisting of fallen wires, and a few small trees and limbs. The same easterly flow sloshed the tidal Potomac River up its slim channel near Washington, DC, and caused a brief period of minor flooding in Old Town Alexandria during the evening high tide.





		Data a		14344			<del></del>	onomona	1,91
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estima Dama Property	ted age Crops Character of St	February 1998
VIRGINIA, North									
Spotsylvania County 2.5 S Snell to Massaponax	17	2113EST 2127EST			0	0	2K	Hail (2.00)	
Spotsylvania County 2.5 S Snell to Massaponax	17	2115EST 2129EST	8	300	0	0	75K	30K Tornado (F	1)
	causin northe	nadic thunderstoring minor property	damage along	gits path. Th	ne tornado to	ouched do	wn one mile	7th, knocking down doze south of Blades Corner, alleled federal highway 1	then tracked
	knock Some trees.	ing down more tr outbuildings and	rees than would barns were lear try damage ind	d normally h velled. One cluded anten	ave fallen. unfastened t nas, fences,	Some roo railer was signs, as	fs were parti s picked up,	om copious winter rainfal ally torn off homes, outb driven 150 feet, and smas trim, sidings, and gutters.	uildings, and barns. hed against some
								ls; residents recalled incre of the wind from the app	
VAZ021	Highla 23 24	and 1500EST 0400EST			0	0		Winter Stor	m
VAZ025>028	_	ta - Rockinghan	ı - Shenandoa	ıh - Frederi					
	23 24	2000EST 0200EST			0	0		Snow	
	west of accumon one to mount receive	of the Blue Ridge nulated in Rocking three inches acc tains over the eas red from Blue Rid	. Similar to program and Augumulated acrost and west porting Mountain of the contract of the c	evious episogusta Cos (Voss Shenando tions of Fredon the Clarko	des, accumu AZ025>026 ah and Fred erick Co and e-Frederick (	llation wa ), with the erick Cos d the west Co line. I	is highly dep to highest total (VAZ027>0 to portion of S Four inches a	oth of snow across much of endent on elevation. In gals over the mountains to 1028), though 4 to 8 inches then and oah Co. A report accumulated along the hig west, in Highland Co, an	eneral, 2 to 4 inches the west and east. fell across the higher of 9 inches was her elevations of
VAZ021-025>031- 036>042-050>057	Madis		ock - Fauquie			_		Clarke - Nelson - Alben Villiam - Fairfax - Arlin	
	24	1200EST	eorge		0	0	10K	Gusty Wind	s
	excess depart isolate	s of 40 mph over ting storm and the	all of northern e loss of daytir nes (need final	Virginia du ne heating. I stuff from	ring the after According to Virginia Pow	rnoon. Wo news ac ver). The	inds gradua counts, prop combination	rinds of 25 to 32 mph with all y diminished after sunse erty damage was minimal of wind and saturated so VAZ053).	t; a result of the , likely consisting of
WEST VIRGINIA, Ea	<u>ıst</u>								
WVZ048>055	Grant 04 05	- Mineral - Han 0600EST 1400EST	npshire - Mor	gan - Berke	ley - Jeffers 0	son - Pene 0	dleton - Har 12K	rdy Winter Stor	m
	across by mic well in	verful nor'easter, s all of eastern Wo dday over most a	est Virginia be reas, with the o e Potomac Hig	ginning earl exceptions b hlands, prec	y on the 4th. eing locatior ipitation ren	In the earlins above nained a r	astern Panha 1500 feet, wl mix of rain, s	uribbean, dumped modera ndle (VAZ051>053), the nere a mix of snow and fr leet, and snow at lower e	snow changed to rain eezing rain continued

Accumulations were highly dependent on elevation. For example, elevations in and near the town of Petersburg (WVZ048) range roughly from 500 to 1000 feet (not including surrounding mountains). One resident, living at an elevation of around 600 feet, reported 6 inches early on the 5th; a nearby neighbor whose elevation was closer to 1000 feet reported 10 inches. In general, 4 to 8 inches fell below 1000 feet; 8 to 12 inches fell from 1000 to 1500 feet, and 12 to 20 inches fell above 1500 feet.



**WVZ051** 

# **National Weather Service** Storm Data and Unusual Weather Phenomena



Winter Storm

February 1998 Path Length (Miles) Number of Persons led Injured Estimated Damage erty Crops Time Local/ Path Width Date Character of Storm (Yards Standard

## WEST VIRGINIA, East

Morgan

1500EST

	Scattered power outages and fallen trees likely occurre	ed throughout the Po	tomac Highlands, wi	th problems most prevalent in the
	higher mountains.			
<b>Berkeley County</b>				

04 05 1400EST 1400EST Countywide 5K Flood **Jefferson County** Countywide 1400EST 1400EST Flood

> Moderate rain, falling on top of 3 to 6 inches of snow, produced areas of flooding across the eastern panhandle late on the 4th and continuing through the afternoon of the 5th. In Berkeley Co, 4 secondary roads closed; 9 closed in Jefferson Co. A Berkeley Co resident was stranded in his pickup truck while attempting to cross a bridge; a mobile home shifted on the mud in Cascade.

	23 24	1400EST 0200EST	0	0	Snow
WVZ048>050-054>055	Grant	- Mineral - Hampshire - Pendleton - Hardy			

23 24 0400EST An area of low pressure moving along the middle Atlantic coastline produced a swath of moderate to heavy snow across the Potomac Highlands of West Virginia. Similar to previous episodes, accumulation was highly dependent on elevation. In general, around 4 inches fell in valleys. However, along the east-facing slopes of the Allegheny Divide, between 8 and 12 inches fell. A

small area of less than four inches fell in western Hampshire and extreme northeastern Mineral Cos (WVZ049>050). WVZ050>053-055 Hampshire - Morgan - Berkeley - Jefferson - Hardy

1200EST 1700EST **Gusty Winds** An intensifying storm off the middle Atlantic coast produced sustained winds between 25 and 32 mph with brief gusts in excess of

40 mph over portions of eastern West Virginia during the afternoon. Highest winds were likely at elevations above 2000 feet where gusts to near 50 mph may have occurred. Winds gradually diminished after sunset; a combination of the departing storm and the loss of daytime heating. Scattered tree and limb damage most likely occurred at higher elevations.