

## Appendix B

### Historical Hazard Documentation

**SUMMARY OF WARWICK HISTORIC HAZARD EVENTS  
1980 - 2012**

HAZARD	NO. OF RECORDS	RECORDED LOSSES		
		FATALITIES	INJURIES	DAMAGE COSTS (\$)
DAM FAILURE	1	0	0	\$788,300
DROUGHT	4	0	0	0
EARTHQUAKE	0	0	0	0
FLOODS	7	0	0	\$18 MILLION +
EXTREME WINDS	33	1	2	\$357,750
WILDFIRE	151+	0	0	(UNKNOWN)
HURRICANES (1970 -2012)	6	0	0	\$4.1 MILLION +
TORNADO	0	0	0	0
WINTER STORM	56	0	0	\$199,851
EXTREME TEMPERATURES	13	1	0	\$50,000
LANDSLIDE	1	0	0	\$50,000
LIGHTNING	2	0	0	0

- **SOURCES: FEMA, NOAA NATIONAL CLIMATE DATA CENTER STORM EVENTS DATABASE, UNITED STATES GEOLOGICAL SURVEY, NEW YORK HAZARD MITIGATION PLAN (2011), ORANGE COUNTY HAZARD MITIGATION PLAN (DRAFT 2010).**

### Flooding (Does not Include Hurricanes Lee, Irene and Sandy)

Location	# of Events	Date	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	795	2/1969 - 1/ 2010	96 classified as significant (over \$1,500 in paid losses, FEMA) since 1978	0	0	\$372.85 Million	NY HAZ Mit Plan 2011
Orange County	26	4/1969 – 8/2009 3/2010 8/2011	8 Presidential Disaster declarations	0	0	\$17 Million	NY HAZ Mit Plan 2011
Warwick	5	Mar 1980 Apr 1983 Apr 1984 Apr 2005 Aug 2008 Mar 2010 Aug 2011	<u>1980</u> – 5 to 8 in. of rain flooded area washed away gravel berm of Warwick village reservoir -\$1,500 <u>1983</u> – Wallkill River flooded 4,200 Acres of farmland in the Pine Island area - \$10 million in crop loss and infrastructure damage <u>1984</u> – Heavy rain caused Wawayanda Creek to flood in Village of Warwick area – \$2.6 million in infrastructure damage and \$5.1 million in residential damage <u>2005</u> – Wawayanda Creek flooded in Village of Warwick and surrounding areas causing \$418,569 of combined damage to culverts	0	0	\$418,569	-NY HAZ Mit Plan 2011 -NOAA Storm Event -Advertiser Photo News 1983 -Warwick Valley Dispatch 2005

### Hurricane (Does not Include Hurricane Sandy)

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	17	8/1952 – 9/2005	9 Hurricane/Tropical Depression Disaster Declarations Between 1954 and 2009				FEMA; NY HAZ Mit Plan 2011
Orange County	9	1888 -2009	3 Hurricane/Tropical Depression Presidential Disaster Declarations and 1 Emergency Declaration Between 1953 and 2009 2011 – Hurricane Irene caused \$81 Million in damage just in Orange			\$81 Million +	NY HAZ Mit Plan 2011; Orange County HMP 2010; FEMA; Local Newspaper
Warwick	2	Jun 1972 Sep 1979 Jul 1996 Sep 1999 Aug 2011	<u>1972</u> – Tropical Storm Agnes <u>1979</u> – Hurricane David caused flooding in low lying areas with winds up to 60 mph that uprooted trees and knocked out power to 115,000 customers <u>1996</u> – Hurricane Bertha became tropical Storm and dumped 4.5 inches of rain on Greenwood Lake <u>1999</u> - Hurricane Floyd widespread flooding in low lying areas. Orange part of Disaster Declaration <u>2004</u> – Tropical Storm Hanna <u>2011</u> - Hurricane Irene caused flooding that damaged roads, embankments and culverts throughout the town and a bridge in			\$1,451,451	FEMA; HDR

			the Village of Warwick				
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### Extreme Winds (Does not Include Hurricanes, Tropical storms or Tornadoes)

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State							NOAA NCDC Storm Event Data Base
Orange County	237	1955 - 2012	Includes winds greater than 50 knots or 58 mph.			\$300,000	Orange County HMP 2010;
Warwick	33	Jan 2000 – Dec 2012	<u>2000-2012</u> - Found Under “Thunder Storm Wind”			\$31,250	NOAA NCDC Storm Event Data Base, Orange County GIS

### Tornadoes

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	376	1952- 2009	270 – F0 or F1 46 – F2 30 – F3 or F4 Most occur between June & Aug	21	307	\$423 Million	NY HAZ Mit Plan 2011
Orange County	10	1955 - 2010	5 – F0 1 – F1 2 – F3 1 –F3	9	19	\$28 Million	NY HAZ Mit Plan 2011; Orange County HMP 2010
Warwick	0	Jan 2006 – Dec 2012					NOAA NCDC Storm Event Data Base; T/Warwick

### Winter Storm (includes snow, ice, freezing rain and sleet)

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	1400 +	1993 - 2008	9 Presidential Major Disaster Declarations. Average of 65 inch / year			\$400 Million	
Orange County	74	1993 -2011	1 Presidential Major Disaster Declaration, 3 Emergency Declaration. Average of 40 inches fall / year			\$25 Million	Orange County HMP 2010: NY HAZ Mit Plan 2011
Warwick	57	Feb 1983 2000-2012	1983- Heavy Snow that left roads difficult to travel			\$199,851	NOAA Historical Data; Orange County GIS

### Wildfire

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	76,479	1985-2009					NY HAZ Mit Plan 2011

Orange County			Orange County HMP 2010 states (p. 1-10) County was eligible for PA as a result of 1999 West Point Fires, but then says (p. 2-17) NYSEMO and NCDC record on significant wildfires in Orange since 1950.				Orange County HMP 2010: NY HAZ Mit Plan 2011
Warwick	151+	Feb 1980 1985-2010	1980 – Brush fire Wildfire maps in NY HAZ Mit Plan 2011 give conflicting information				NY HAZ Mit Plan 2011, Advertiser Photo News 1980, Orange County GIS

## Drought

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	9	Between 1993 - 2007					NY HAZ Mit Plan 2011
Orange County	3	1964-66, Aug – Dec 1993, & 2001 -2002				\$50 million (crops) across the area	Orange County HMP 2010:
Warwick	3	Jul - Sep 1980, Aug – Dec 1993, & 2001 -2002					Warwick News Article, NOAA Storm Events

## Extreme Temperatures

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage	Info Source
NY State	181	Feb 1993 - Jan 2010	101 extreme heat events, 80 extreme cold events	99	51	\$533,000	NY HAZ Mit Plan 2011; NCDC
Orange County	13	1993-2012	7 extreme heat events, 5 extreme cold events and 1 unseasonably warm event.	1	0	\$50,000	Orange County HMP 2010; NCDC
Warwick	11	Feb 1993 Jul 1999 Jan 2000 Jan 2000 Aug 2001 Jul 2002 Jul 2002 Jan 2004 Jan 2004 Aug 2006 Jul 2011 Jul 2012	7 extreme heat events, 4 extreme cold events <u>Feb 1993</u> – Cold temps (-5) Wind chill of -40 <u>Jul 1999</u> – Heat upper 90s heat index 110 <u>Jan 2000</u> – Cold temps (2 events) (10) wind chill of -35 <u>Aug 2001</u> – Heat (94) Heat index 110 <u>Jul 2002</u> – Heat (2 separate events) <u>Jan 2004</u> - Cold temps (1) wind chill of -26 <u>Aug 2006</u> – Heat (100) Heat index 115 <u>Jul 2011</u> – Heat <u>Jul 2012</u> - Heat				Orange County HMP 2011; NOAA Storm Events

## Dam Failure

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage	Info Source
NY State							
Orange County	2	Sep 2009, and July 2001	297 Dams in county, 22 classified as "high hazard".				Orange County HMP 2010;
Warwick	1	Aug 2008	Upper Reservoir Dam Bank Failure			\$788,300	Tectonic

## Earthquake

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage	Info Source
NY State	400 +	1737-2002	36 were a 3.0 or greater. April 2002 Earthquake was Major Disaster Declaration (FEMA),				NY HAZ Mit Plan 2011;
Orange County			USGS records do not show historic occurrences of 3 or greater in Orange Count				Orange County HMP 2010; USGS
Warwick							

## Landslide

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	337	1837-1996		76			NY HAZ Mit Plan 2011;
Orange County	12	1837-2007	1934 event killed 3	3			Orange County HMP 2010;
Warwick							

## Lightning

Location	# of Events	Date(s)	Description	Fatalities	Injuries	Damage \$	Info Source
NY State	82	2006 - 2012		2	35	\$3.514 Million	NCDC
Orange County	19	1995- 2012		1	12	\$170,750	NCDC
Warwick	2	8/2004 6/2006					NCDC

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**Storm Events Database**

**Data Access**

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**External Resources**

- [Tornado EF Scale](#)
- [NOAA's SPC Reports](#)
- [NOAA's SPC WCM Page](#)
- [SHELDUS](#)

**Storm Events Database**

**Search Results for ORANGE (County), ORANGE (Zone) (NEW YORK)**

196 event(s) were reported between 10/01/2006 and 10/31/2012.  
 'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': C

*Click on **Location** to display details*

Location	Date	Time	Type	Mag
<b>Totals:</b>				
<a href="#">HOWELLS</a>	10/28/2006	950	Flash Flood	
<a href="#">PORT JERVIS</a>	12/01/2006	1747	Thunderstorm Wind	52 kt
<a href="#">MONROE</a>	12/01/2006	1845	Thunderstorm Wind	50 kt
<a href="#">ORANGE</a>	02/13/2007	2054	Winter Storm	
<a href="#">ORANGE</a>	03/16/2007	500	Winter Storm	
<a href="#">WASHINGTONVILLE</a>	04/15/2007	2200	Flood	
<a href="#">GARDNERTOWN</a>	04/16/2007	715	Flood	
<a href="#">WEST PT</a>	06/01/2007	1701	Thunderstorm Wind	50 kt
<a href="#">CUDDEBACKVILLE</a>	06/16/2007	1223	Lightning	
<a href="#">BULLVILLE</a>	07/06/2007	1545	Thunderstorm Wind	60 kt
<a href="#">BULLVILLE</a>	07/06/2007	1545	Thunderstorm Wind	60 kt
<a href="#">BULLVILLE</a>	07/06/2007	1545	Hail	0.75 in.
<a href="#">MONTGOMERY</a>	07/06/2007	1545	Hail	0.75 in.
<a href="#">NEWBURGH</a>	07/15/2007	1405	Thunderstorm Wind	55 kt
<a href="#">NEW MILFORD</a>	08/03/2007	1925	Hail	0.75 in.
<a href="#">HIGHLAND MILLS</a>	08/03/2007	2000	Thunderstorm Wind	50 kt
<a href="#">RIDGEBURY</a>	08/17/2007	2120	Thunderstorm Wind	55 kt

<u>CHESTER</u>	08/17/2007	2143	Thunderstorm Wind	55 kts.	0	0	0.00K	0.00K
<u>ORANGE</u>	12/13/2007	900	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	02/01/2008	900	Ice Storm		0	0	0.00K	0.00K
<u>CORNWALL</u>	02/01/2008	2027	Flash Flood		0	0	0.00K	0.00K
<u>ORANGE</u>	02/12/2008	1400	Winter Storm		0	0	0.00K	0.00K
<u>ORANGE</u>	02/22/2008	800	Heavy Snow		0	0	0.00K	0.00K
<u>MIDDLETOWN</u>	03/08/2008	1430	Flash Flood		0	0	0.00K	0.00K
<u>MONTGOMERY</u>	03/08/2008	1500	Flash Flood		0	0	0.00K	0.00K
<u>MECHANICSTOWN</u>	03/08/2008	1515	Flash Flood		0	0	0.00K	0.00K
<u>MONTGOMERY CO ARPT</u>	03/08/2008	1520	Flash Flood		0	0	0.00K	0.00K
<u>ORANGE</u>	03/08/2008	1920	High Wind	55 kts.	0	0	0.00K	0.00K
<u>ALLARD CORNERS</u>	03/08/2008	2208	Flood		0	0	0.00K	0.00K
<u>WARWICK</u>	05/27/2008	1330	Hail	0.75 in.	0	0	0.00K	0.00K
<u>GOSHEN</u>	06/10/2008	1940	Thunderstorm Wind	61 kts.	0	0	2.00K	0.00K
<u>HIGHLAND FALLS</u>	06/10/2008	1959	Thunderstorm Wind	61 kts.	0	0	6.00K	0.00K
<u>NEW WINDSOR</u>	06/10/2008	2000	Thunderstorm Wind	61 kts.	0	0	5.00K	0.00K
<u>NEWBURGH STEWART ARP</u>	06/10/2008	2000	Thunderstorm Wind	50 kts.	0	0	0.00K	0.00K
<u>ORANGE LAKE</u>	06/16/2008	1715	Tornado	EF0	0	0	40.00K	
<u>NEWBURGH</u>	06/16/2008	1800	Thunderstorm Wind	61 kts.	0	0	2.00K	0.00K
<u>HIGHLAND FALLS</u>	07/23/2008	1921	Flash Flood		0	0	0.00K	0.00K
<u>CORNWALL</u>	07/23/2008	2230	Flash Flood		0	0	0.00K	0.00K
<u>NEW WINDSOR</u>	08/11/2008	1045	Hail	0.75 in.	0	0		
<u>WARWICK</u>	08/11/2008	1055	Flash Flood		0	0	0.00K	0.00K
<u>NEWBURGH</u>	08/11/2008	1105	Hail	1.75 in.	0	0		
<u>GOSHEN</u>	08/14/2008	1313	Hail	0.75 in.	0	0		1.00K
<u>MONROE</u>	08/14/2008	1347	Hail	0.88 in.	0	0		
<u>ORANGE</u>	09/06/2008	1300	Tropical Storm		0	0	4.00K	
<u>HIGHLAND FALLS</u>	09/06/2008	1630	Flash Flood		0	0	0.00K	0.00K
<u>CORNWALL</u>	09/09/2008	1000	Flash Flood		0	0	0.00K	0.00K
<u>ORANGE</u>	12/11/2008	700	Ice Storm		0	0		0.00K
<u>ORANGE</u>	12/19/2008	1145	Heavy Snow		0	0		0.00K
<u>ORANGE</u>	01/06/2009	1700	Ice Storm		0	0		0.00K
<u>ORANGE</u>	02/12/2009	600	High Wind	50 kts.	0	0		0.00K
<u>ORANGE</u>	03/01/2009	2200	Heavy Snow		0	0		0.00K

<u>MECHANICSTOWN</u>	06/09/2009	615	Lightning		0	0	5.00K	0.00K
<u>MONTGOMERY</u>	06/09/2009	630	Lightning		0	0	5.00K	0.00K
<u>ROCK TAVERN</u>	06/15/2009	1420	Hail	0.75 in.	0	0		
<u>OTISVILLE</u>	06/26/2009	1455	Thunderstorm Wind	61 kts.	0	0	3.00K	0.00K
<u>NEWBURGH</u>	06/26/2009	1458	Hail	1.00 in.	0	0		
<u>WASHINGTON HGTS</u>	06/26/2009	1530	Lightning		0	0	30.00K	
<u>CIRCLEVILLE</u>	06/26/2009	1530	Lightning		0	0	5.00K	
<u>WASHINGTON HGTS</u>	06/26/2009	1535	Flash Flood		0	0	0.00K	0.00K
<u>TRISTATES</u>	06/26/2009	1555	Hail	0.88 in.	0	0		
<u>RIDGEBURY</u>	06/30/2009	1415	Flash Flood		0	0	0.00K	0.00K
<u>MECHANICSTOWN</u>	06/30/2009	1458	Flash Flood		0	0	0.00K	0.00K
<u>WALDEN</u>	06/30/2009	1500	Hail	1.00 in.	0	0		
<u>MOUNTAIN VILLE</u>	07/01/2009	1720	Flash Flood		0	0	0.00K	0.00K
<u>MICHIGAN CORNERS</u>	07/17/2009	2130	Thunderstorm Wind	52 kts.	0	0	7.50K	0.00K
<u>MECHANICSTOWN</u>	07/26/2009	5	Flash Flood		0	0	0.00K	0.00K
<u>EAGLE VLY</u>	07/26/2009	1716	Hail	0.88 in.	0	0		
<u>EAGLE VLY</u>	07/26/2009	1716	Thunderstorm Wind	52 kts.	0	0	1.00K	0.00K
<u>LEPTONDALE</u>	07/27/2009	1300	Hail	0.75 in.	0	0		
<u>LEPTONDALE</u>	07/27/2009	1300	Thunderstorm Wind	52 kts.	0	0	1.00K	0.00K
<u>UNIONVILLE</u>	07/29/2009	1405	Tornado	EF0	0	0	75.00K	0.00K
<u>KAISERTOWN</u>	07/31/2009	1240	Thunderstorm Wind	61 kts.	0	0	25.00K	2.00K
<u>MIDDLETOWN</u>	07/31/2009	1246	Thunderstorm Wind	52 kts.	0	0	3.00K	0.00K
<u>WARWICK</u>	08/10/2009	1842	Thunderstorm Wind	61 kts.	0	0	7.50K	
<u>WARWICK</u>	08/10/2009	1902	Thunderstorm Wind	52 kts.	0	0	0.75K	
<u>PINE BUSH</u>	08/10/2009	1903	Thunderstorm Wind	50 kts.	0	0		
<u>GARDNERTOWN</u>	08/10/2009	1929	Thunderstorm Wind	52 kts.	0	0	1.50K	
<u>GARDNERTOWN</u>	08/10/2009	1930	Funnel Cloud		0	0	0.00K	0.00K
<u>WINONA LAKE</u>	08/12/2009	1800	Flash Flood		0	0	0.00K	0.00K
<u>HIGHLAND FALLS</u>	08/12/2009	2030	Flash Flood		0	0	0.00K	0.00K
<u>GOSHEN</u>	08/21/2009	1345	Thunderstorm Wind	52 kts.	0	0	1.50K	

<u>MIDDLETOWN</u>	08/21/2009	1400	Thunderstorm Wind	61 kts.	0	0	12.00K	
<u>MICHIGAN CORNERS</u>	08/21/2009	1410	Lightning		0	0	0.75K	
<u>MONTGOMERY CO ARPT</u>	08/21/2009	1415	Thunderstorm Wind	52 kts.	0	0	5.00K	
<u>GOSHEN</u>	08/21/2009	1420	Thunderstorm Wind	52 kts.	0	0	0.75K	0.00K
<u>MIDDLETOWN</u>	08/21/2009	1515	Funnel Cloud		0	0		
<u>ORANGE</u>	10/07/2009	700	Strong Wind	38 kts.	0	2	0.00K	0.00K
<u>ORANGE</u>	11/27/2009	2200	Strong Wind	39 kts.	0	0	7.50K	
<u>GOSHEN</u>	12/03/2009	707	Thunderstorm Wind	56 kts.	0	0	5.00K	
<u>ORANGE</u>	12/09/2009	100	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	01/28/2010	700	Winter Weather		0	0	0.00K	0.00K
<u>ORANGE</u>	02/09/2010	2200	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	02/15/2010	2030	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	02/22/2010	2100	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	02/25/2010	500	Heavy Snow		0	0	0.00K	0.00K
<u>GREENWOOD LAKE</u>	03/13/2010	1000	Flood		0	0	0.00K	0.00K
<u>BLOOMING GROVE</u>	03/13/2010	1200	Flood		0	0	0.00K	0.00K
<u>CENTRAL VLY</u>	03/14/2010	1208	Flood		0	0	0.00K	0.00K
<u>COLDENHAM</u>	05/27/2010	1652	Hail	1.00 in.	0	0	0.00K	0.00K
<u>NEW WINDSOR</u>	05/27/2010	1658	Hail	0.88 in.	0	0	0.00K	0.00K
<u>MIDDLETOWN</u>	05/31/2010	1355	Lightning		0	0	10.00K	0.00K
<u>WARWICK</u>	06/06/2010	1315	Thunderstorm Wind	52 kts.	0	0	3.00K	0.00K
<u>WARWICK</u>	06/06/2010	1317	Thunderstorm Wind	52 kts.	0	0	3.00K	0.00K
<u>WARWICK</u>	06/06/2010	1331	Thunderstorm Wind	52 kts.	0	0	3.00K	0.00K
<u>MIDDLETOWN</u>	06/24/2010	1200	Thunderstorm Wind	52 kts.	0	0	7.50K	
<u>HAMPTONBURG</u>	06/24/2010	1210	Lightning		0	0	5.00K	
<u>MIDDLETOWN</u>	06/24/2010	1211	Thunderstorm Wind	70 kts.	0	1	60.00K	
<u>WASHINGTONVILLE</u>	06/24/2010	1215	Thunderstorm Wind	52 kts.	0	0	4.00K	
<u>WALDEN</u>	07/19/2010	1430	Thunderstorm Wind	52 kts.	0	0	1.00K	
<u>NEWBURGH</u>	07/19/2010	1450	Thunderstorm Wind	61 kts.	0	0	5.00K	
<u>MONTGOMERY</u>	07/19/2010	1540	Thunderstorm Wind	61 kts.	0	0	5.00K	0.00K
<u>MAYBROOK</u>	07/19/2010	1610	Thunderstorm Wind	61 kts.	0	0	7.50K	

<u>WASHINGTONVILLE</u>	07/19/2010	1623	Lightning		0	0	15.00K	
<u>HIGHLAND FALLS</u>	07/21/2010	1530	Thunderstorm Wind	52 kts.	0	0	1.00K	
<u>GOSHEN</u>	07/21/2010	1623	Thunderstorm Wind	56 kts.	0	0	3.00K	
<u>MONROE</u>	07/21/2010	1637	Hail	0.88 in.	0	0		
<u>BLOOMING GROVE</u>	07/21/2010	1641	Lightning		0	1		
<u>SPARROW BUSH</u>	07/23/2010	1819	Thunderstorm Wind	52 kts.	0	0	1.50K	
<u>HIGHLAND FALLS</u>	08/22/2010	1740	Heavy Rain		0	0	0.00K	0.00K
<u>NEWBURGH</u>	09/22/2010	1833	Hail	1.00 in.	0	0		
<u>WINONA LAKE</u>	09/22/2010	1837	Thunderstorm Wind	52 kts.	0	0	6.00K	
<u>NEWBURGH</u>	09/22/2010	1840	Hail	1.00 in.	0	0		
<u>WINONA LAKE</u>	09/22/2010	1846	Thunderstorm Wind	52 kts.	0	0	6.00K	
<u>NEWBURGH</u>	09/22/2010	1904	Thunderstorm Wind	52 kts.	0	0	7.50K	
<u>PINE IS</u>	11/17/2010	413	Thunderstorm Wind	59 kts.	0	0		
<u>MONTGOMERY CO ARPT</u>	11/17/2010	429	Thunderstorm Wind	56 kts.	0	0		
<u>ORANGE</u>	12/26/2010	1300	Blizzard		0	0	0.00K	0.00K
<u>ORANGE</u>	01/11/2011	2100	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	01/18/2011	600	Winter Storm		0	0	0.00K	0.00K
<u>ORANGE</u>	01/26/2011	1400	Heavy Snow		0	0	0.00K	0.00K
<u>ORANGE</u>	02/19/2011	1100	High Wind	50 kts.	0	0	100.00K	0.00K
<u>TUXEDO PARK</u>	03/07/2011	247	Flood		0	0	0.00K	0.00K
<u>WASHINGTONVILLE</u>	03/07/2011	600	Flood		0	0	0.00K	0.00K
<u>HUGUENOT</u>	03/11/2011	454	Flood		0	0	0.00K	0.00K
<u>NEW WINDSOR</u>	04/28/2011	1110	Thunderstorm Wind	52 kts.	0	0	3.00K	0.00K
<u>PORT JERVIS</u>	05/26/2011	2105	Thunderstorm Wind	52 kts.	0	0		0.00K
<u>WARWICK</u>	05/26/2011	2118	Thunderstorm Wind	55 kts.	0	0		0.00K
<u>PROSPECT HILL</u>	05/26/2011	2125	Thunderstorm Wind	52 kts.	0	0		0.00K
<u>GOSHEN</u>	05/26/2011	2130	Thunderstorm Wind	52 kts.	0	0		0.00K
<u>ORANGE</u>	06/09/2011	1430	Hail	0.75 in.	0	0		
<u>ORANGE</u>	06/09/2011	1438	Hail	1.00 in.	0	0		

<u>ORANGE</u>	06/09/2011	1444	Hail	1.75 in.	0	0		
<u>ORANGE</u>	06/09/2011	1500	Thunderstorm Wind	61 kts.	0	0	10.00K	
<u>ORANGE</u>	06/09/2011	1508	Hail	1.75 in.	0	0	750.00K	
<u>ORANGE</u>	06/09/2011	1508	Thunderstorm Wind	70 kts.	0	0	15.00K	
<u>ORANGE</u>	06/09/2011	1539	Funnel Cloud		0	0	0.00K	0.00K
<u>ORANGE</u>	06/09/2011	1615	Thunderstorm Wind	52 kts.	0	0	1.50K	
<u>CORNWALL</u>	07/08/2011	1405	Hail	1.50 in.	0	0		
<u>VAILS GATE</u>	07/08/2011	1410	Hail	0.75 in.	0	0		
<u>VAILS GATE</u>	07/08/2011	1410	Hail	1.00 in.	0	0		
<u>MONTGOMERY</u>	07/08/2011	1448	Hail	1.00 in.	0	0		
<u>ORANGE</u>	07/22/2011	1100	Excessive Heat		1	0	0.00K	0.00K
<u>SCOTCHTOWN</u>	07/29/2011	1553	Thunderstorm Wind	61 kts.	0	0	2.00K	
<u>KIPPS</u>	07/29/2011	1557	Tornado	EF1	0	0	50.00K	
<u>VAILS GATE</u>	07/29/2011	1610	Thunderstorm Wind	61 kts.	0	0	10.00K	
<u>BLOOMING GROVE</u>	07/29/2011	1620	Hail	1.25 in.	0	0	0.00K	0.00K
<u>BLOOMING GROVE</u>	07/29/2011	1625	Hail	1.00 in.	0	0	0.00K	0.00K
<u>HIGHLAND FALLS</u>	08/08/2011	1432	Thunderstorm Wind	52 kts.	0	0	3.00K	
<u>WARWICK</u>	08/19/2011	1530	Hail	1.00 in.	0	0		
<u>WARWICK</u>	08/19/2011	1530	Thunderstorm Wind	61 kts.	0	0	5.00K	
<u>GREENWOOD LAKE</u>	08/19/2011	1550	Hail	1.00 in.	0	0		
<u>INDIAN PARKE</u>	08/19/2011	1600	Thunderstorm Wind	52 kts.	0	0	2.00K	
<u>WARWICK</u>	08/19/2011	1630	Flash Flood		0	0	0.00K	0.00K
<u>WEST PT</u>	08/19/2011	1635	Thunderstorm Wind	52 kts.	0	0	5.00K	
<u>GARDNERTOWN</u>	08/28/2011	113	Flood		0	0	0.00K	0.00K
<u>SALISBURY MILLS</u>	08/28/2011	324	Flood		0	0	0.00K	0.00K
<u>MONROE</u>	08/28/2011	515	Flood		0	0	0.00K	0.00K
<u>GOSHEN</u>	08/28/2011	552	Flood		0	0	0.00K	0.00K
<u>GOSHEN</u>	08/28/2011	606	Flood		0	0	0.00K	0.00K
<u>MONROE</u>	08/28/2011	740	Flood		1	0	0.00K	0.00K

<u>GARDNERTOWN</u>	08/28/2011	845	Flood		0	0	0.00K	0.00K
<u>VAILS GATE</u>	08/28/2011	1420	Flood		0	0	0.00K	0.00K
<u>WARWICK</u>	09/14/2011	2308	Thunderstorm Wind	52 kts.	0	0	1.50K	
<u>NEW HAMPTON</u>	09/28/2011	830	Flash Flood		0	0	0.00K	0.00K
<u>ORANGE</u>	10/29/2011	1100	Heavy Snow		0	0	0.00K	0.00K
<u>GREYCOURT</u>	12/08/2011	500	Flood		0	0	0.00K	0.00K
<u>NEW WINDSOR</u>	05/26/2012	1335	Hail	0.75 in.	0	0		
<u>NEW WINDSOR</u>	05/26/2012	1337	Hail	1.00 in.	0	0		
<u>VAILS GATE</u>	05/26/2012	1400	Hail	0.75 in.	0	0		
<u>BEREA</u>	07/15/2012	1415	Thunderstorm Wind	61 kts.	0	0	5.00K	
<u>MONTGOMERY</u>	07/15/2012	1415	Lightning		0	0	10.00K	
<u>THOMPSON RIDGE</u>	07/15/2012	1505	Flash Flood		0	0	0.00K	0.00K
<u>ORANGE</u>	07/18/2012	1200	Excessive Heat		0	0	0.00K	0.00K
<u>INDIAN PARKE</u>	07/18/2012	1225	Thunderstorm Wind	52 kts.	0	0	3.00K	
<u>FAIR OAKS</u>	07/26/2012	1720	Thunderstorm Wind	52 kts.	0	0	0.00K	0.00K
<u>(SWF)STEWART APT NEW</u>	07/26/2012	1730	Thunderstorm Wind	51 kts.	0	0		
<u>NEWBURGH</u>	07/26/2012	1731	Thunderstorm Wind	52 kts.	0	0	1.00K	
<u>HARRIMAN</u>	07/26/2012	1736	Thunderstorm Wind	52 kts.	0	0	5.00K	
<u>PINE BUSH</u>	07/28/2012	1120	Hail	0.88 in.	0	0		
<u>PINE BUSH</u>	07/28/2012	1120	Thunderstorm Wind	61 kts.	0	0	5.00K	
<u>WEST NEWBURGH</u>	07/28/2012	1302	Flash Flood		0	0	0.00K	0.00K
<u>PORT JERVIS</u>	09/04/2012	2215	Flash Flood		0	0	0.00K	0.00K
<u>MIDDLETOWN</u>	09/08/2012	1535	Thunderstorm Wind	52 kts.	0	0	1.00K	
<u>KIPPS</u>	09/18/2012	1730	Thunderstorm Wind	52 kts.	0	0	3.00K	
<u>TUXEDO PARK</u>	09/18/2012	1830	Thunderstorm Wind	52 kts.	0	0	1.00K	
<u>ORANGE</u>	10/29/2012	1800	High Wind	53 kts.	0	0	200.00K	0.00K
<b>Totals:</b>					2	8	1.608M	3.00K