

5.0 HAZARD AND VULNERABILITY DATA – APPENDIX A

The information included in this appendix supplements the discussion of Logan County’s hazards and vulnerabilities from Section 2: Hazard Identification and Risk Assessment. A complete list of historical incidents of each hazard is provided here. Additionally, detailed data on the anticipated damage to Logan County from a 100-year flood and earthquake, per HAZUS estimates, is provided.

5.1 HAZARD HISTORY DATA

The National Climactic Data Center has maintained records on weather incidents across the United States since 1950. The tables below provide a complete history of the incidents in Logan County from 1950 through 2017.

5.1.1 Drought and Extreme Heat

These incidents include all occurrences categorized as drought or extreme heat.

Hazard	Location	Date	Injuries	Deaths	Property Damage	Crop Damage
Drought	Logan (Zone)	07/01/1999	0	0	0	0
Drought	Logan (Zone)	08/01/1999	0	0	0	0
Extreme Heat	Logan (Zone)	07/19/2019	0	0	0	0
Extreme Heat	Logan (Zone)	07/20/2019	0	0	0	0

5.1.2 Flood

The flood incidents identified in this table include events classified as flood and flash flood that occurred in Logan County since 1950.

Hazard	Location	Date	Deaths	Injuries	Property Damage	Crop Damage
Flash Flood	Countywide	06/01/1997	0	0	5K	0
Flash Flood	DeGraff	01/08/1998	0	0	5K	0
Flash Flood	Bellefontaine	04/09/1998	0	0	0	0
Flash Flood	DeGraff	04/09/1998	0	0	0	0
Flash Flood	Bellefontaine	09/23/2000	0	0	50K	0
Flash Flood	Belle Center	05/16/2001	0	0	0	0
Flash Flood	Belle Center	05/17/2001	0	0	5K	0
Flood	Logan (Zone)	04/19/2002	0	0	0	0
Flash Flood	Bellefontaine	04/19/2002	0	0	0	0
Flood	Logan (Zone)	09/27/2002	0	0	0	0
Flood	Logan (Zone)	03/13/2003	0	0	0	0

Flash Flood	Lakeview	07/07/2003	0	0	100K	0
Flood	Logan (Zone)	07/07/2003	0	0	150K	0
Flood	Logan (Zone)	07/07/2003	0	0	150K	0
Flash Flood	Lakeview	07/08/2003	0	0	100K	0
Flash Flood	Lakeview	07/08/2003	0	0	200K	0
Flood	Logan (Zone)	07/09/2003	0	0	100K	0
Flood	Logan (Zone)	07/09/2003	0	0	100K	0
Flood	Logan (Zone)	08/02/2003	0	0	0	0
Flood	Logan (Zone)	08/04/2003	0	0	0	0
Flood	Logan (Zone)	01/04/2004	0	0	0	0
Flood	Logan (Zone)	05/21/2004	0	0	0	0
Flood	Logan (Zone)	06/12/2004	0	0	0	0
Flood	Logan (Zone)	06/13/2004	0	0	0	0
Flood	Logan (Zone)	06/15/2004	0	0	0	0
Flood	Logan (Zone)	01/05/2005	0	0	0	0
Flood	Logan (Zone)	01/11/2005	0	0	20K	0
Flood	Logan (Zone)	06/10/2005	0	0	20K	0
Flash Flood	Bellefontaine	06/01/2006	0	0	0	0
Flood	Russells Point	06/02/2006	0	0	0	0
Flash Flood	Lakeview	12/01/2006	0	0	0	0
Flood	Bellefontaine	03/02/2007	0	0	15K	0
Flood	Bellefontaine	03/14/2007	0	0	3K	0
Flood	Lakeview	02/07/2008	0	0	3K	0
Flash Flood	Bellefontaine	02/28/2011	0	0	20K	0
Flash Flood	Rushsylvania	02/28/2011	0	0	10K	0
Flash Flood	Huntsville	02/28/2011	0	0	25K	0
Flood	Bellefontaine	02/28/2011	0	0	10K	0
Flood	Bellefontaine	02/28/2011	0	0	25K	0
Flood	Bellefontaine	03/01/2011	0	0	25K	0
Flash Flood	McMorran	05/11/2011	0	0	10K	0
Flood	Bellefontaine	05/11/2011	0	0	2K	0
Flood	DeGraff	12/05/2011	0	0	2K	0
Flood	DeGraff	01/27/2012	0	0	1K	0
Flash Flood	Belle Center	06/30/2013	0	0	1K	0
Flash Flood	Belle Center	06/30/2013	0	0	1K	0
Flood	Bellefontaine	07/01/2013	0	0	5K	0
Flash Flood	East Liberty	07/01/2013	0	0	0	0
Flash Flood	Rushsylvania	07/01/2013	0	0	1K	0
Flash Flood	Northwood	07/01/2013	0	0	1K	0
Flood	Lakeview Van Horn Arpt	12/21/2013	0	0	1K	0
Flood	Russells Point	12/22/2013	0	0	0	0
Flood	Lakeview	12/24/2013	0	0	0	0
Flood	Lakeview	12/25/2013	0	0	0	0
Flood	Lakeview Van Horn Arpt	06/16/2015	0	0	0	0
Flood	Lakeview Van Horn Arpt	06/18/2015	0	0	0	0
Flood	Russells Point	06/18/2015	0	0	0	0
Flood	Bellefontaine	04/03/2018	0	0	0	0
Flood	Lakeview Van Horn Arpt	11/01/2018	0	0	0	0

Flood	Russells Point	02/17/2019	0	0	0	0
Flood	Russells Point	02/07/2019	0	0	0	0
Flood	Bellefontaine	05/17/2019	0	0	0	0
Flash Flood	West Liberty	05/17/2019	0	0	1.000M	0
Flash Flood	McMorran	05/17/2019	0	0	50.0K	0
Flash Flood	Middleburg	05/17/2019	0	0	0	0
Flash Flood	Middleburg	05/17/2019	0	0	50K	0
Flash Flood	Bloom Center	05/17/2019	0	0	0	0
Flood	Lakeview Van Horn Arpt	05/17/2019	0	0	0	0
Flood	Pickrelltown	05/17/2019	0	0	0	0
Flood	Lakeview Van Horn Arpt	06/16/2019	0	0	0	0
Flash Flood	Northwood	06/16/2019	0	0	0	0
Flash Flood	Northwood	06/16/2019	0	0	0	0
Flood	Bellefontaine	06/18/2019	0	0	0	0
Flood	Bellefontaine	06/19/2019	0	0	0	0
Flood	North Greenfield	06/19/2019	0	0	0	0
Flash Flood	Bellefontaine	06/19/2019	0	0	15K	0
Flash Flood	Bellefontaine	06/19/2019	0	0	0	0
Flood	Bellefontaine	06/21/2019	0	0	0	0
Flood	Ridgeway	06/21/2019	0	0	0	0
Flood	Quincy	03/28/2020	0	0	0	0
Flood	Cherokee	05/18/2020	0	0	0	0
Flash Flood	Cherokee	09/07/2020	0	0	4.0K	0
Flash Flood	Walnut Grove	09/07/2020	0	0	10.0K	0
Flash Flood	New Richland	09/08/2020	0	0	0	0
Flood	Cherokee	09/08/2020	0	0	0	0
Flood	Lakeview Van Horn Arpt	03/07/2022	0	0	0	0
Flood	Lakeview Van Horn Arpt	03/03/2023	0	0	0	0

5.1.3 Severe Thunderstorm

Thunderstorm incidents include events that produced any combination of hail, lightning and thunderstorm wind; all hazards were not necessarily present in all incidents.

Hazard	Location	Date	Deaths	Injuries	Property Damage	Crop Damage
Hail	Logan County	06/13/1957	0	0	0	0
Thunderstorm Wind	Logan County	06/08/1951	0	0	0	0
Thunderstorm Wind	Logan County	05/24/1970	0	0	0	0
Thunderstorm Wind	Logan County	06/25/1971	0	0	0	0
Thunderstorm Wind	Logan County	08/11/1973	0	0	0	0
Thunderstorm Wind	Logan County	07/03/1975	0	0	0	0
Hail	Logan County	07/03/1975	0	0	0	0
Thunderstorm Wind	Logan County	07/03/1975	0	0	0	0
Hail	Logan County	07/15/1976	0	0	0	0
Thunderstorm Wind	Logan County	07/15/1976	0	0	0	0

Hail	Logan County	04/08/1980	0	0	0	0
Thunderstorm Wind	Logan County	04/08/1980	0	0	0	0
Hail	Logan County	05/13/1980	0	0	0	0
Thunderstorm Wind	Logan County	05/13/1980	0	0	0	0
Hail	Logan County	06/28/1980	0	0	0	0
Thunderstorm Wind	Logan County	07/05/1980	0	0	0	0
Thunderstorm Wind	Logan County	07/05/1980	0	0	0	0
Hail	Logan County	07/09/1980	0	0	0	0
Thunderstorm Wind	Logan County	07/09/1980	0	0	0	0
Hail	Logan County	07/12/1980	0	0	0	0
Thunderstorm Wind	Logan County	07/12/0980	0	0	0	0
Thunderstorm Wind	Logan County	07/12/1980	0	0	0	0
Hail	Logan County	08/11/1980	0	0	0	0
Thunderstorm Wind	Logan County	06/24/1981	0	0	0	0
Thunderstorm Wind	Logan County	03/31/1982	0	0	0	0
Thunderstorm Wind	Logan County	08/24/1982	0	0	0	0
Thunderstorm Wind	Logan County	07/04/1983	0	0	0	0
Thunderstorm Wind	Logan County	06/13/1984	0	0	0	0
Thunderstorm Wind	Logan County	06/23/1984	0	0	0	0
Thunderstorm Wind	Logan County	04/05/0985	0	0	0	0
Thunderstorm Wind	Logan County	03/10/1986	0	0	0	0
Thunderstorm Wind	Logan County	05/06/1986	0	0	0	0
Thunderstorm Wind	Logan County	06/22/1986	0	0	0	0
Thunderstorm Wind	Logan County	08/02/1987	0	0	0	0
Thunderstorm Wind	Logan County	08/02/1987	0	0	0	0
Hail	Logan County	05/09/1988	0	0	0	0
Thunderstorm Wind	Logan County	05/25/1989	0	0	0	0
Thunderstorm Wind	Logan County	06/27/1989	0	0	0	0
Thunderstorm Wind	Logan County	07/07/1989	0	0	0	0
Thunderstorm Wind	Logan County	07/11/1989	0	0	0	0
Thunderstorm Wind	Logan County	07/27/1989	0	0	0	0
Thunderstorm Wind	Logan County	08/05/1989	0	0	0	0
Hail	Logan County	06/08/1990	0	0	0	0
Thunderstorm Wind	Logan County	06/08/1990	0	0	0	0
Thunderstorm Wind	Logan County	06/30/1990	0	0	0	0
Thunderstorm Wind	Logan County	08/28/1990	0	0	0	0
Thunderstorm Wind	Logan County	03/27/1991	0	0	0	0
Thunderstorm Wind	Logan County	07/02/1991	0	0	0	0
Thunderstorm Wind	Logan County	04/16/1992	0	0	0	0
Thunderstorm Wind	Logan County	06/18/1992	0	0	0	0
Thunderstorm Wind	Logan County	07/12/1992	0	0	0	0
Thunderstorm Wind	West Mansfield	06/16/1994	0	0	500K	0
Thunderstorm Wind	Bellefontaine	07/29/1994	0	0	0	0
Thunderstorm Wind	Bellefontaine	08/04/1994	0	0	5K	0
Thunderstorm Wind	Russells Points	08/28/1994	0	0	5K	0
Thunderstorm Wind	Santa Fe	09/24/1994	0	0	500K	0
Thunderstorm Wind	DeGradd	05/24/1995	0	0	30K	0
Thunderstorm Wind	Indian Creek	05/28/1995	0	0	3K	0

Thunderstorm Wind	Bellefontaine	06/03/1995	0	0	40K	0
Hail	Bellefontaine	06/03/1995	0	0	0	0
Thunderstorm Wind	South Half	06/07/1995	0	0	60K	0
Hail	Bellefontaine	06/22/1995	0	0	0	0
Hail	West Liberty	06/26/1995	0	0	0	0
Thunderstorm Wind	West Liberty	06/26/1995	0	0	3K	0
Thunderstorm Wind	Countywide	07/13/1995	0	0	6K	0
Thunderstorm Wind	West Part	07/26/1995	0	0	4K	0
Thunderstorm Wind	South Part	07/26/1995	0	0	7K	0
Thunderstorm Wind	Bellefontaine	08/01/1995	0	0	5K	0
Hail	Lakeview	06/03/1996	0	0	010K	0
Hail	Belle Center	08/15/1996	0	0	0	0
Thunderstorm Wind	Bellefontaine	10/30/1996	0	0	0	0
Thunderstorm Wind	Countywide	07/02/1997	0	0	0	0
Hail	Lakeview	05/29/1998	0	0	5K	0
Hail	Rushsylvania	05/29/1998	0	0	10K	0
Hail	Belle Center	05/31/1998	0	0	5K	0
Thunderstorm Wind	Lakeview	06/19/1998	0	0	5K	0
Thunderstorm Wind	Bellefontaine	07/19/1998	0	0	0	0
Thunderstorm Wind	Northwood	07/21/1998	0	0	4K	0
Thunderstorm Wind	Countywide	08/25/1998	0	0	2K	0
Thunderstorm Wind	Lakeview	11/10/1998	0	0	3K	0
Thunderstorm Wind	McMorran	05/06/1999	0	0	6K	0
Thunderstorm Wind	Huntsville	06/10/1999	0	0	10K	0
Thunderstorm Wind	Lakeview	06/10/1999	0	0	5K	0
Thunderstorm Wind	East Liberty	06/11/1999	0	0	3K	0
Thunderstorm Wind	West Mansfield	06/11/1999	0	0	5K	0
Thunderstorm Wind	West Mansfield	07/21/1999	0	0	3K	0
Thunderstorm Wind	Bellefontaine	07/21/1999	0	0	5K	0
Thunderstorm Wind	Russells Point	07/26/1999	0	0	0	0
Thunderstorm Wind	Bellefontaine	07/31/1999	0	0	50K	0
Thunderstorm Wind	Lewistown	10/13/1999	0	0	5K	0
Hail	DeGraff	05/18/2000	0	0	5K	0
Lightning	Huntsville	08/09/2000	0	0	0	0
Thunderstorm Wind	Countywide	08/09/2000	0	0	0	0
Thunderstorm Wind	Big Spigs	09/20/2000	0	0	3K	0
Hail	Lewistown	04/07/2001	0	0	10K	0
Hail	DeGraff	05/17/2001	0	0	10K	0
Thunderstorm Wind	Bellefontaine	10/24/2001	0	0	10K	0
Hail	Bellefontaine	04/19/2002	0	0	10K	0
Hail	Bellefontaine	04/19/2002	0	0	0	0
Hail	DeGraff	04/19/2002	0	0	0	0
Thunderstorm Wind	Bellefontaine	07/29/2002	0	0	5K	0
Hail	DeGraff	11/10/2002	0	0	3K	0
Hail	West Mansfield	11/10/2002	0	0	3K	0
Thunderstorm Wind	Lakeview	05/11/2003	0	0	0	0
Thunderstorm Wind	East Liberty	06/26/2003	0	0	10K	0
Thunderstorm Wind	Bellefontaine	07/04/2003	0	0	6K	0

Thunderstorm Wind	Bellefontaine	07/04/2003	0	0	3K	0
Thunderstorm Wind	Bellefontaine	07/07/2003	0	0	2K	0
Thunderstorm Wind	Quincy	07/08/2003	0	0	0	0
Thunderstorm Wind	DeGraff	07/21/2003	0	0	10K	0
Thunderstorm Wind	Bellefontaine	08/02/2003	0	0	50K	0
Hail	Bellefontaine	08/11/2003	0	0	3K	0
Thunderstorm Wind	Russells Point	08/26/2003	0	0	0	0
Thunderstorm Wind	Bellefontaine	09/26/2003	0	0	0	0
Thunderstorm Wind	Bellefontaine	05/17/2004	0	0	3K	0
Hail	Huntsville	05/21/2004	0	0	0	0
Hail	Bellefontaine	05/21/2004	0	0	0	0
Thunderstorm Wind	Middleburg	05/30/2004	0	0	7K	0
Lightning	Belle Center	06/13/2004	0	1	0	0
Hail	West Liberty	06/13/2004	0	0	3K	0
Thunderstorm Wind	Belle Center	06/13/2004	0	0	3K	0
Hail	Lakeview	06/05/2005	0	0	3K	0
Thunderstorm Wind	Middleburg	07/25/2005	0	0	3K	0
Thunderstorm Wind	Rushsylvania	07/25/2005	0	0	10K	0
Hail	Huntsville	08/20/2005	0	0	0	0
Thunderstorm Wind	West Liberty	11/06/2005	0	0	3K	0
Hail	Bellefontaine	04/07/2006	0	0	0	0
Thunderstorm Wind	Quincy	05/25/2006	0	0	8K	0
Hail	Bellefontaine	05/25/2006	0	0	0	0
Thunderstorm Wind	Bellefontaine	06/22/2006	0	0	2K	0
Thunderstorm Wind	West Liberty	07/03/2006	0	0	3K	0
Hail	Quincy	03/14/2007	0	0	2K	0
Thunderstorm Wind	Belle Center	06/13/2007	0	0	1K	0
Hail	DeGraff	06/13/2007	0	0	5K	0
Thunderstorm Wind	Lakeview VanHorn Arpt	06/13/2007	0	0	10K	0
Thunderstorm Wind	Bellefontaine	06/17/2007	0	0	3K	0
Thunderstorm Wind	DeGraff	08/20/2007	0	0	10K	0
Thunderstorm Wind	Zanesfield	12/23/2007	0	0	2K	0
Thunderstorm Wind	Quincy	06/09/2008	0	0	3K	0
Thunderstorm Wind	West Liberty	06/09/2008	0	0	1K	0
Hail	West Mansfield	06/09/2008	0	0	3K	0
Thunderstorm Wind	Middleburg	06/28/2008	0	0	2K	0
Thunderstorm Wind	Bellefontaine	07/08/2008	0	0	1K	0
Thunderstorm Wind	Bellefontaine	07/08/2008	0	0	1K	0
Thunderstorm Wind	Zanesfield	08/19/2008	0	0	5K	0
Thunderstorm Wind	Bellefontaine	06/11/2010	0	0	1K	0
Thunderstorm Wind	McMorran	06/23/2010	0	0	60K	0
Thunderstorm Wind	Quincy	08/04/2010	0	0	0	0
Thunderstorm Wind	Lewistown	09/16/2010	0	0	2K	0
Hail	Bellefontaine Arpt	09/16/2010	0	0	7K	0
Thunderstorm Wind	Lakeview	10/26/2010	0	0	0	0
Thunderstorm Wind	Bellefontaine	04/27/2011	0	0	1K	0
Hail	Lakeview	05/11/2011	0	0	0	0
Thunderstorm Wind	Russells Point	05/23/2011	0	0	0	0

Thunderstorm Wind	Huntsville	05/23/2011	0	0	3K	0
Thunderstorm Wind	Russells Point	05/23/2011	0	0	3K	0
Thunderstorm Wind	Huntsville	07/11/2011	0	0	0	0
Thunderstorm Wind	Rushsylvania	08/07/2011	0	0	0	0
Hail	Bellefontaine	08/09/2011	0	0	2K	0
Hail	Bellefontaine	08/09/2011	0	0	0	0
Thunderstorm Wind	Rushsylvania	09/03/2011	0	0	0	0
Hail	Belle Center	11/14/2011	0	0	0	0
Hail	Bellefontaine	11/14/2011	0	0	100K	0
Hail	West Liberty	11/14/2011	0	0	0	0
Thunderstorm Wind	Bellefontaine	06/29/2012	0	0	1K	0
Thunderstorm Wind	Island View	06/29/2012	0	0	1K	0
Thunderstorm Wind	Lakeview VanHorn Arpt	07/04/2012	0	0	1K	0
Thunderstorm Wind	Belle Center	07/04/2012	0	0	3K	0
Thunderstorm Wind	Bellefontaine	07/04/2012	0	0	0	0
Thunderstorm Wind	Zanesfield	07/04/2012	0	0	1K	0
Hail	Orchard Is	07/26/2012	0	0	0	0
Thunderstorm Wind	West Liberty	08/05/2012	0	0	0	0
Hail	Rushsylvania	04/10/2013	0	0	0	0
Hail	West Liberty	04/10/2013	0	0	5K	0
Hail	West Liberty	04/10/2013	0	0	7K	0
Thunderstorm Wind	West Liberty	06/12/2013	0	0	10K	0
Thunderstorm Wind	Avondale	07/10/2013	0	0	1K	0
Thunderstorm Wind	McMorran	07/10/2013	0	0	1K	0
Thunderstorm Wind	Lewistown	07/10/2013	0	0	0	0
Thunderstorm Wind	Russells Point	07/10/2013	0	0	2K	0
Thunderstorm Wind	Cherokee	07/20/2013	0	0	2K	0
Thunderstorm Wind	Quincy	09/11/2013	0	0	1K	0
Hail	DeGraff	09/11/2013	0	0	2K	0
Thunderstorm Wind	East Liberty	10/31/2013	0	0	0	0
Thunderstorm Wind	DeGraff	11/17/2013	0	0	2K	0
Thunderstorm Wind	Avondale	11/17/2013	0	0	30K	0
Thunderstorm Wind	McMorran	12/21/2013	0	0	5K	0
Thunderstorm Wind	Lewistown	12/21/2013	0	0	0	0
Thunderstorm Wind	Russells Point	12/21/2013	0	0	0	0
Hail	Cherokee	05/21/2014	0	0	0	0
Hail	Quincy	05/21/2014	0	0	10K	0
Hail	DeGraff	05/21/2014	0	0	0	0
Thunderstorm Wind	East Liberty	06/19/2014	0	0	0	0
Hail	DeGraff	07/26/2014	0	0	0	0
Hail	Quincy	07/27/2017	0	0	0	0
Hail	Big Spgs	07/27/2014	0	0	2K	0
Hail	Zanesfield	07/27/2017	0	0	1K	0
Thunderstorm Wind	East Liberty	05/26/2015	0	0	0	0
Thunderstorm Wind	DeGraff	05/27/2015	0	0	4K	0
Thunderstorm Wind	Middleburg	05/27/2015	0	0	1.5K	0
Thunderstorm Wind	East Liberty	06/18/2015	0	0	4K	0
Thunderstorm Wind	Belle Center	12/23/2015	0	0	1K	0

Thunderstorm Wind	West Liberty	03/27/2016	0	0	5.0K	0
Thunderstorm Wind	DeGraff	03/27/2016	0	0	5.0K	0
Thunderstorm Wind	DeGraff	03/27/2016	0	0	10.0K	0
Thunderstorm Wind	DeGraff	03/27/2016	0	0	2.0K	0
Thunderstorm Wind	Bellefontaine	03/27/2016	0	0	5.0K	0
Thunderstorm Wind	West Liberty	08/28/2016	0	0	0	0
Thunderstorm Wind	Bellefontaine	01/10/2017	0	0	0	0
Thunderstorm Wind	Russells Point	06/16/2018	0	0	2.0K	0
Hail	Lakeview Van Horn Arpt	07/26/2018	0	0	0	0
Thunderstorm Wind	McMorran	04/12/2019	0	0	0	0
Hail	Bellefontaine	05/17/2019	0	0	0	0
Thunderstorm Wind	Lakeview Van Horn Arpt	05/26/2019	0	0	1.0K	0
Thunderstorm Wind	Belle Center	05/26/2019	0	0	1.0K	0
Thunderstorm Wind	Belle Center	07/02/2019	0	0	1.0K	0
Thunderstorm Wind	Belle Center	07/02/2019	0	0	4.0K	0
Thunderstorm Wind	Belle Center	07/02/2019	0	0	1.0K	0
Thunderstorm Wind	West Liberty	07/16/2019	0	0	0	0
Thunderstorm Wind	West Liberty	07/21/2019	0	0	20.0K	0
Thunderstorm Wind	DeGraff	08/14/2019	0	0	6.0K	0
Hail	West Liberty	09/01/2019	0	0	0	0
Hail	Bellefontaine	03/28/2020	0	0	0	0
Thunderstorm Wind	Pickerelltown	03/28/2020	0	0	1.0K	0
Thunderstorm Wind	Orchard Island	04/08/2020	0	0	1.0K	0
Thunderstorm Wind	Bellefontaine	04/08/2020	0	0	5.0K	0
Thunderstorm Wind	Bellefontaine	04/08/2020	0	0	1.0K	0
Thunderstorm Wind	Rushsylvania	06/10/2020	0	0	0.5K	0
Thunderstorm Wind	McMorran	06/10/2020	0	0	0	0
Thunderstorm Wind	Russells Point	07/19/2020	0	0	4.0K	0
Thunderstorm Wind	West Mansfield	08/28/2020	0	0	1.0K	0
Thunderstorm Wind	Rushsylvania	08/28/2020	0	0	1.0K	0
Thunderstorm Wind	West Liberty	08/28/2020	0	0	5.0K	0
Thunderstorm Wind	DeGraff	11/15/2020	0	0	20.0K	0
Thunderstorm Wind	McMorran	11/15/2020	0	0	0	0
Thunderstorm Wind	West Liberty	04/09/2021	0	0	1.0K	0
Thunderstorm Wind	DeGraff	12/11/2021	0	0	2.0K	0
Thunderstorm Wind	Zanesfield	05/21/2022	0	0	4.00K	0
Thunderstorm Wind	Bellefontaine	06/13/2022	0	0	250.0K	0
Thunderstorm Wind	Lakeview Van Horn Arpt	06/13/2022	0	0	0.50K	0
Thunderstorm Wind	Bellefontaine	06/13/2022	0	0	5.0K	0
Thunderstorm Wind	Bellefontaine	06/13/2022	0	0	20.0K	0
Thunderstorm Wind	Bellefontaine	07/23/2022	0	0	10.0K	0
Thunderstorm Wind	West Liberty	07/23/2022	0	0	4.0K	0
Thunderstorm Wind	West Mansfield	07/23/2022	0	0	6.0K	0

5.1.4 Tornado

Confirmed tornadoes and funnel clouds occurring in Logan County since 1950 are listed below.

Hazard	Location	Date	Fujita	Deaths	Injuries	Property Damage	Crop Damage
Tornado	Logan County	06/11/1957	F1	0	0	0	0
Tornado	Logan County	05/14/1970	F2	0	0	250K	0
Tornado	Logan County	05/24/1971	F3	0	0	25K	0
Tornado	Logan County	07/16/1992	F0	0	0	25K	0
Tornado	Near Quincy	06/07/1995	F1	0	0	50K	0
Tornado	East Liberty	11/10/2002	F3	0	0	30K	0

5.1.5 Windstorm

Incidents identified as windstorms are limited to wind-only events. Events in which severe wind occurred along with another hazards, such as winter weather or severe thunderstorms, are identified under the primary hazard.

Hazard	Location	Date	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
High Wind	Logan (Zone)	03/25/1997	50 kts	0	1	50K	0
High Wind	Logan (Zone)	04/06/1997	60 kts.	0	0	0	0
High Wind	Logan (Zone)	12/11/2000	58 kts.	0	0	0	0
High Wind	Logan (Zone)	03/09/2002	56 kts.	0	1	40K	0
High Wind	Logan (Zone)	05/11/2003	50 kts.	0	0	0	0
High Wind	Logan (Zone)	05/11/2003	50 kts.	0	0	0	0
High Wind	Logan (Zone)	05/11/2003	50 kts.	0	0	0	0
High Wind	Logan (Zone)	11/12/2003	50 kts.	0	0	8K	0
High Wind	Logan (Zone)	12/01/2006	50 kts.	0	0	20K	0
High Wind	Logan (Zone)	09/14/2008	55 kts.	0	0	5.4M	0
High Wind	Logan (Zone)	02/11/2009	50 kts.	0	0	0	0
High Wind	Logan (Zone)	12/09/2009	50 kts.	0	0	0	0
High Wind	Logan (Zone)	11/24/2014	51 kts.	0	0	0	0
High Wind	Logan (Zone)	04/03/2016	50 kts.	0	0	0	0
High Wind	Logan (Zone)	12/30/2019	57kts.	0	0	0	0
High Wind	Logan (Zone)	11/15/2020	53kts.	0	0	5.0K	0
High Wind	Logan (Zone)	03/25/2021	50kts.	0	0	10.0K	0
High Wind	Logan (Zone)	02/09/2023	50kts.	0	0	0	0

5.1.6 Winter Storm

Winter storm events include incidents classified as blizzard, cold/ extreme cold/wind chill, ice storm, or winter storm that occurred in Logan County since 1950.

Hazard	Location	Date	Deaths	Injuries	Property Damage	Crop Damage
Winter Storm	Logan (Zone)	01/02/1995	0	0	25K	0
Ice Storm	Logan (Zone)	03/06/1996	0	0	0	0
Winter Storm	Logan (Zone)	03/19/1996	0	0	0	0
Winter Storm	Logan (Zone)	01/01/1999	0	0	0	0
Winter Storm	Logan (Zone)	01/07/1999	0	0	0	0
Winter Storm	Logan (Zone)	01/13/1999	0	0	0	0
Winter Storm	Logan (Zone)	03/26/2002	0	0	0	0
Winter Storm	Logan (Zone)	11/22/2002	0	0	0	0
Winter Storm	Logan (Zone)	12/25/2002	0	0	0	0
Winter Storm	Logan (Zone)	01/29/2003	0	0	0	0
Winter Storm	Logan (Zone)	02/15/2003	0	0	0	0
Winter Storm	Logan (Zone)	12/14/2003	0	0	0	0
Winter Storm	Logan (Zone)	1/25/2004	0	0	0	0
Winter Storm	Logan (Zone)	03/16/2004	0	0	0	0
Winter Storm	Logan (Zone)	12/22/2004	0	0	0	0
Winter Storm	Logan (Zone)	01/05/2005	0	0	0	0
Winter Storm	Logan (Zone)	01/21/2005	0	0	0	0
Winter Storm	Logan (Zone)	12/08/2005	0	0	0	0
Winter Storm	Logan (Zone)	12/15/2005	0	0	0	0
Blizzard	Logan (Zone)	02/13/2007	0	0	0	0
Winter Storm	Logan (Zone)	02/01/2008	0	0	0	0
Winter Storm	Logan (Zone)	02/12/2008	0	0	0	0
Ice Storm	Logan (Zone)	03/04/2008	0	0	0	0
Winter Storm	Logan (Zone)	03/07/2008	0	0	0	0
Ice Storm	Logan (Zone)	12/19/2008	0	0	0	0
Ice Storm	Logan (Zone)	01/10/2009	0	0	0	0
Ice Storm	Logan (Zone)	02/01/2011	0	0	0	0
Blizzard	Logan (Zone)	12/26/2012	0	0	0	0
Winter Storm	Logan (Zone)	03/05/2013	0	0	0	0
Winter Storm	Logan (Zone)	03/24/2013	0	0	0	0
Winter Storm	Logan (Zone)	02/04/2014	0	0	0	0
Winter Storm	Logan (Zone)	03/01/2015	0	0	0	0
Winter Storm	Logan (Zone)	02/08/2017	0	0	0	0
Winter Weather	Logan (Zone)	01/12/2018	0	0	0	0
Winter Weather	Logan (Zone)	01/15/2018	0	0	0	0
Winter Weather	Logan (Zone)	02/06/2018	0	0	0	0
Winter Weather	Logan (Zone)	03/07/2018	0	0	0	0
Winter Weather	Logan (Zone)	03/20/2018	0	0	0	0
Winter Weather	Logan (Zone)	04/01/2018	0	0	0	0

Ice Storm	Logan (Zone)	11/14/2018	0	0	0	0
Winter Weather	Logan (Zone)	01/12/2019	0	0	0	0
Winter Storm	Logan (Zone)	01/19/2019	0	0	0	0
Extreme Cold/Wind Chill	Logan (Zone)	01/30/2019	0	0	0	0
Winter Weather	Logan (Zone)	02/01/2019	0	0	0	0
Winter Weather	Logan (Zone)	02/20/2019	0	0	0	0
Winter Weather	Logan (Zone)	03/03/2019	0	0	0	0
Winter Weather	Logan (Zone)	11/11/2019	0	0	0	0
Winter Weather	Logan (Zone)	12/15/2019	0	0	0	0
Winter Weather	Logan (Zone)	12/16/2019	0	0	0	0
Winter Weather	Logan (Zone)	02/06/2019	0	0	0	0
Winter Weather	Logan (Zone)	02/12/2019	0	0	0	0
Winter Weather	Logan (Zone)	02/26/2019	0	0	0	0
Winter Weather	Logan (Zone)	02/27/2019	0	0	0	0
Winter Weather	Logan (Zone)	11/30/2020	0	0	0	0
Winter Weather	Logan (Zone)	12/01/2020	0	0	0	0
Winter Weather	Logan (Zone)	12/16/2020	0	0	0	0
Winter Weather	Logan (Zone)	12/24/2020	0	0	0	0
Winter Weather	Logan (Zone)	01/17/2021	0	0	0	0
Winter Storm	Logan (Zone)	01/30/2021	0	0	0	0
Winter Weather	Logan (Zone)	02/10/2021	0	0	0	0
Winter Storm	Logan (Zone)	02/15/2021	0	0	0	0
Winter Weather	Logan (Zone)	04/20/2021	0	0	0	0
Winter Weather	Logan (Zone)	01/16/2022	0	0	0	0
Winter Storm	Logan (Zone)	02/02/2022	0	0	0	0
Winter Weather	Logan (Zone)	02/24/2022	0	0	0	0
Winter Weather	Logan (Zone)	03/11/2022	0	0	0	0
Winter Storm	Logan (Zone)	12/22/2022	0	0	0	0
Extreme Cold/Wind Chill	Logan (Zone)	12/22/2022	0	0	0	0
Winter Weather	Logan (Zone)	01/22/2023	0	0	0	0
Winter Weather	Logan (Zone)	01/24/2023	0	0	0	0