

Appendix D – Meetings
Hazard Mitigation Meeting Presentation
Meeting Minutes



2020 Hazard Mitigation Plan Update

LARUE COUNTY

AGENDA

1. Introduce/Reintroduce the LTADD Hazard Mitigation Plan
2. Discuss Hazard Mitigation Plan Update Process
3. Local Information Update
 - a. Personnel
 - b. Resources
 - c. Infrastructure
 - d. Policies
 - e. Hazard Events
4. Mitigation Project Discussion
 - a. Past projects
 - b. New Projects
5. Plan Review & Adoption



2020 Hazard Mitigation Plan Update

LARUE COUNTY

What is a Local Hazard Mitigation Plan?

The purpose of hazard mitigation is to reduce potential losses from future disasters. The intent of mitigation planning, therefore, is to maintain a process that leads to hazard mitigation actions. Mitigation plans identify the natural hazards that impact communities, identify actions to reduce losses from those hazards, and establish a coordinated process to implement the plan. (44 CFR §201.1(b))

FEMA DR-4361 Hazard Mitigation Grant Program (HMGP)
Grant Awarded from FEMA through KY Division of Emergency Management.
Marion County Fiscal Court as applicant for Region.
Lincoln Trail ADD as sub-contracted staff.

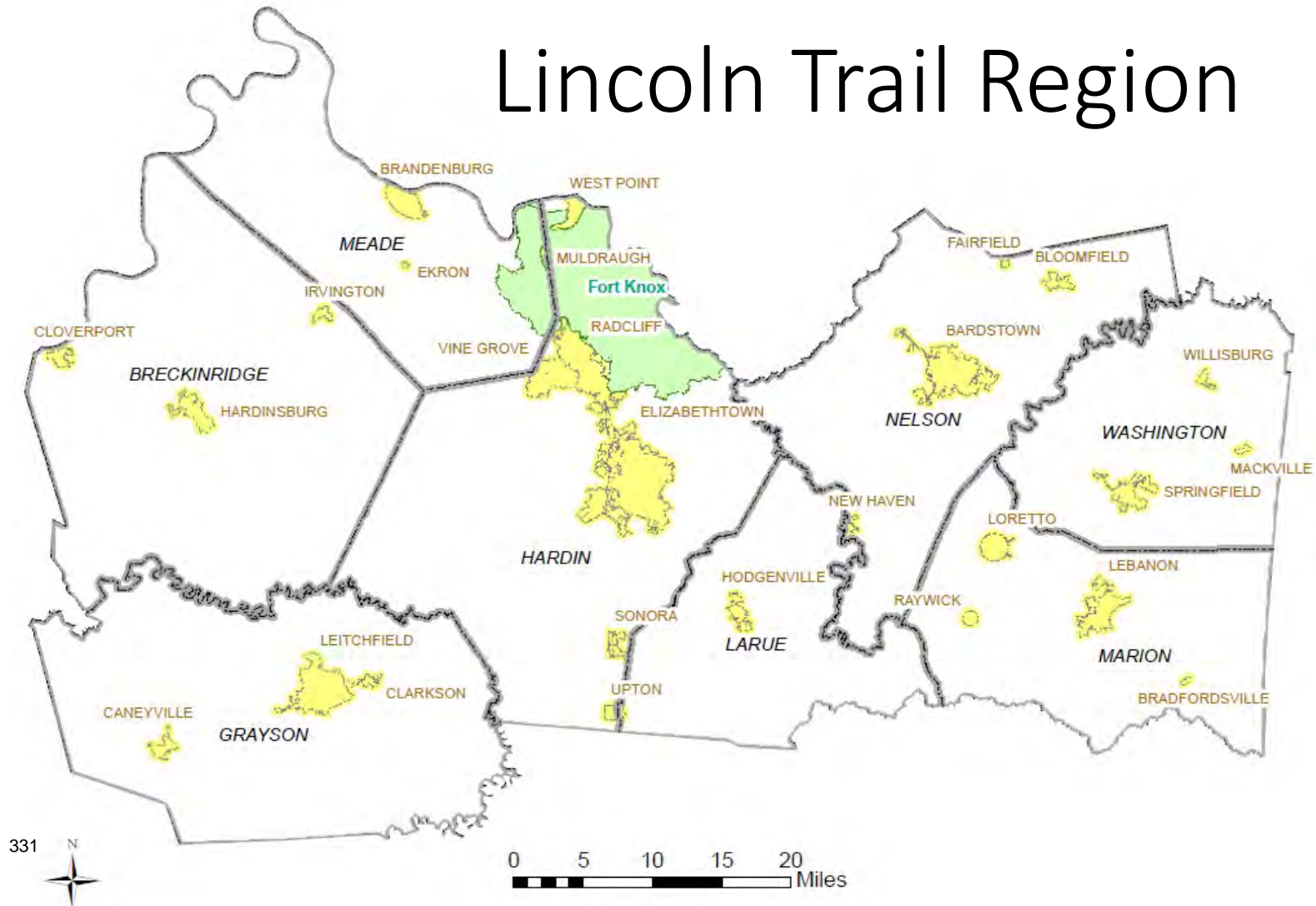
Your participation in the regional update allows this plan serve as your jurisdiction's hazard mitigation plan and makes you eligible for disaster related funding.



2020 Hazard Mitigation Plan Update

LARUE COUNTY

Lincoln Trail Region





2020 Hazard Mitigation Plan Update

LARUE COUNTY

UPDATE PROCESS

- Initial Meetings with Stakeholders
- Compile Inputs and Data from Stakeholders
- Hazard and Community Data Review and Updates
- Prepare Draft Plan
- Present to Stakeholders /Incorporate Feedback
- Present to State & FEMA for Approval
- Cities and Counties Adopt Plan
- Maintain Plan / Implement Actions



2020 Hazard Mitigation Plan Update

LARUE COUNTY

LOCAL INFORMATION UPDATE

Review and Update Data from 2015 Plan

- a. Personnel
- b. Resources
- c. Infrastructure
- d. Policies
- e. Hazard Events



2020 Hazard Mitigation Plan Update

LARUE COUNTY

Larue County Hazard Mitigation Plan Update Information

1. Professional Staff

<i>Jurisdiction</i>	<i>PVA</i>	<i>Road Dept.</i>	<i>Health Dept.</i>	<i>Emergency Management</i>	<i>Building Inspections</i>
<i>Larue</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>

<i>Jurisdiction</i>	<i>PVA</i>	<i>Road Dept.</i>	<i>Health Dept.</i>	<i>Emergency Management</i>	<i>Building Inspections</i>

Y – Yes, * - Covered by County, I – Independent Department, PW – Public Works

2. County First Responders – Please list positions (ie. Deputy, EMT, Dispatcher, ect.)

<i>County First Responders</i>	
<i>2015</i>	<i>Present</i>
Sheriff & 4 officers Trained volunteer firefighters at 4 county locations	

Examples from the first page of the LaRue County Update Worksheet.

Note: Each jurisdiction will have its own specific update worksheet



2020 Hazard Mitigation Plan Update

LARUE COUNTY



2009 Ice Storm, Vine Grove. *Source: LTADD Archive.*



335



Flames appear Tuesday where the steeple once stood at the Franklin Crossroads United Christian Church.

Neal Cardin





2020 Hazard Mitigation Plan Update

LARUE COUNTY

MITIGATION PROJECTS

Review Project List

Note Completed Projects

Propose New Projects



Quiggins Sinkhole Flood Mitigation Project Location Map.
Source: FEMA Environmental Assessment Feb. 2015.



E. Poplar St. Bridge, Elizabethtown. Source: City of Elizabethtown.



Radcliff generator, 2010 Flooding Declaration, Source: LTADD Archive.



Muldraugh Storm Shelter Dedication 24 Oct. 2013.



2020 Hazard Mitigation Plan Update **LARUE COUNTY**

PLAN REVIEW & ADOPTION

Adoption Resolution by Fiscal Court, City Council or Commission
Meets FEMA Requirement for any Funding Requests



2020 Hazard Mitigation Plan Update

LARUE COUNTY

DR-4361 Hazard Mitigation Grant Program (HMGP) Contract Period: 8/1/2020 - 6/30/2022	2020					2021												2022					
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
GOALS	50		100		150	200	250	300	350	400	450	500	550	600	650	720							
Begin Staff Plan Review to establish initial focus areas. Prepare for initial meetings with Public & Officials.				LTADD																			
Begin Data Review and Collection to include spatial data.					LTADD																		
Conduct initial meetings with city/county stakeholders, public and volunteers.						LOCAL STAKEHOLDERS																	
Compile various inputs and data updates and begin draft of updated plan.						LTADD																	
Present initial findings, updates and revised scope of plan to various stakeholders.													LOCAL STAKEHOLDERS										
Update plan and strategies and prepare presentation of final draft to stakeholders.																LTADD							
Present plan to State for review and approval.																				KENTUCKY			
Present plan to FEMA for review and approval.																					FEMA		
Have communities adopt approved plan and closeout project.																							



2020 Hazard Mitigation Plan Update

LARUE COUNTY

LINCOLN TRAIL STAFF CONTACTS

John David May
Disaster Resiliency Coordinator
jdmay@ltadd.org
270-982-5297

Website

<https://ltadd.org/services/hazards/>

Krista Levee
Public Administration Specialist
krista@ltadd.org

Mike Robinson
GIS Specialist
mrobinson@ltadd.org
270-982-5255

Breckinridge County – County Wide Hazard Mitigation

Date: March 18, 2021

Location: Zoom

Attendees:

Irvington

Mayor Yvonne Kennedy

Mona Drane, City Clerk (not pictured in screenshots)

Cloverport

Mayor Candy Wheatherholt

Hardinsburg

Stephen Clark, City Clerk

LTADD Staff: John David May, Krista Levee

John David May reviewed the purpose of the meeting and the slides along with discussing mitigation projects.

Questions/Comments:

Judge Lucas: Where we list the first responders, does each city has to fill one out?

JDM: Yes. Each city has their own worksheet to fill out.

Judge Lucas: Is there funding available for bridges in this hazard mitigation process. I have a low water road and need a box culvert put in it. There's another outlet for it. \$150,000 or more to cover it.

JDM: That would be a good example to list as a future mitigation project. Let me look into funding options.

Lucas: We have done several projects in the previous years. Luckily, we haven't had too many major emergencies. We have been needing to do this particular project for years for the road.

Judge Lucas: I have a question for Krista. Not related to Hazard Mitigation, but the County has yet to receive any confirmation of their RTP project.

KL: I will check with Ashley and see what updates he knows and get back with you on who needs to be contacted since the previous DLG staff person retired.

Eric Vertress: For the money to become available, it has to be a disaster correct? (He discussed different grant matches.)

JDM: Yes

Eric Vertress: There is one thing on our list that I was informed by some colleagues that FEMA would not consider. I had heard portable generators would not be considered by FEMA. Do I need to take those off our list?

JDM: Another city that we met with recently mentioned they are wanting to add portable generators to their list. We can leave it for now until we learn otherwise.

Eric Vertress: Ok. I was concerned they would only fund generators that could be nailed down.

JDM: We can leave it for now and will check on it.

Judge Lucas: (to Mayor Weatherholt) Candy, did you have flooding in Cloverport?

Mayor Weatherholt: No.

Eric Vertress: I was watching that, it stopped 3 feet shy before it could cause a problem.

Mayor Kennedy: Do we just make corrections to the worksheet? What is the deadline?

JDM – Yes, update your worksheet from the 2015 data listed. We do not have a hard deadline.

Just please turn in the worksheet as quickly as you can.

More discussion was had on the previous low water road concern from Judge Lucas. Cookridge Road comes in off of 86. Dry Valley Church always floods over there. It needs a big box culvert over there. The last estimate for the project actually came in around \$191,000. Krista Levee could make Bo Martin (transportation planner) aware of the concern as well.



Grayson County– County Wide Hazard Mitigation

Date: May 4th, 2021

Location: Zoom

Attendees:

Grayson County

Tony Willen, Emergency Manager

Caneyville

Connie Gootee, City Clerk

Clarkson

Scotty Gore, City Clerk

Leitchfield

Rick Embry, Mayor

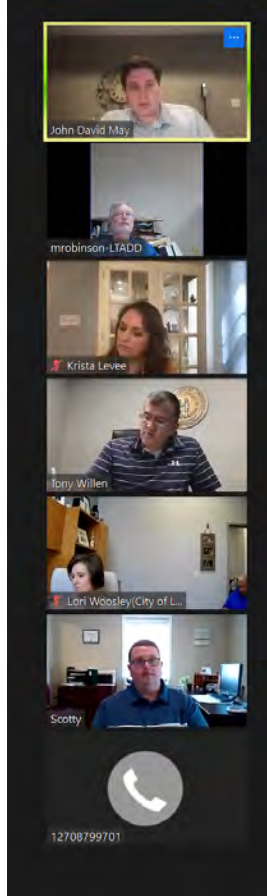
Lori Woosley, City Clerk

LTADD Staff: John David May, Krista Levee, Mike Robinson

John David May went over the slides. Emphasized need for pictures and getting data reported back. Mike Robinson mentioned Kentucky Geological Survey's FEMA funded project for Karst study of Lincoln Trail Region

Questions:

N/A



Hardin County – County Wide Hazard Mitigation

Date: March 12th, 2021

Location: Zoom

Attendees:

Hardin County

Bryce Shumate, Emergency Manager

Charlie Allen, County Engineer

Elizabethtown

Mark Malone, Fire Chief

Others in conf room: Mayor Gregory, Ed Poppe, and Jessica Graham

Radcliff

Ashley Russo, City Clerk

Murray Wanner, City Planner

Sonora - None

Upton - None

Vine Grove

Jessica Irwin, Deputy Clerk

West Point

Dwayne Culver, assistant city clerk

LTADD Staff: John David May, Krista Levee, Mike Skaggs, Mike Robinson

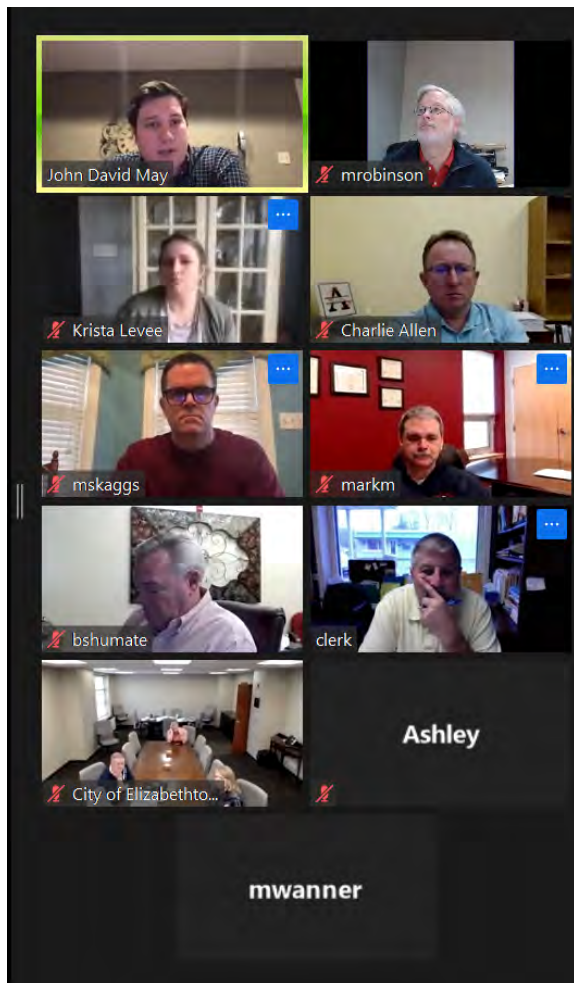
John David May went over the slides. Emphasized need for pictures and getting data reported back. Mike Robinson mentioned Kentucky Geological Survey's FEMA funded project for Karst study of Lincoln Trail Region

Questions/Comments

Bryce: He will provide small city data. John David will send him their work sheets.

Charlie: Is road flooding caused by sink hole eligible project? MR, yes.

Bryce: Is Church eligible for generator grant money? Mike Robinson, will follow up.



LaRue County– County Wide Hazard Mitigation

Date: March 25th, 2021

Location: Zoom

Attendees:

LaRue County

Judge Durrett, Judge Executive

Daniel , Deputy Emergency Manager

Hodgenville

Toni Burton, City Clerk

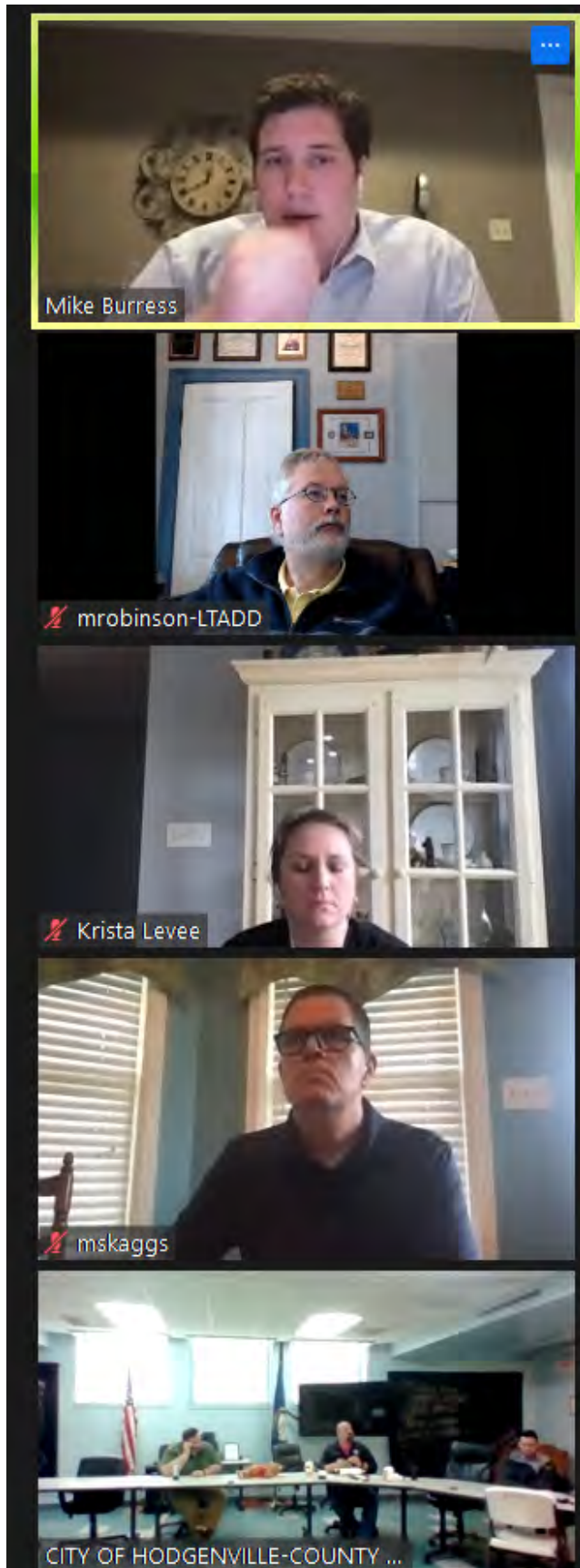
LTADD Staff: John David May, Krista Levee, Mike Skaggs, Mike Robinson

John David May went over the slides. Emphasized need for pictures and getting data reported back. Mike Robinson mentioned Kentucky Geological Survey's FEMA funded project for Karst study of Lincoln Trail Region

Questions/Comments:

Judge: regarding funding availability, match, type of projects, he mentioned roads section in flood plains in particular. Ice combining with flooding this past winter.

Mike Robinson: FEMA funding comes and goes, generally a disaster has to be declared in your region, you need an adopted plan to be eligible to apply for funding when it is available, typically there is a match requirement for funds although in-kind is usually available.



Marion County– County Wide Hazard Mitigation

Date: March 15th, 2021

Location: Zoom

Attendees:

LTADD Staff:

Marion County

Judge Daugherty, Judge Executive

Laurie Heckel, Emergency Manager

Lebanon

John Thomas, City Administrator

Nikki Wheatley, City Clerk

Bradfordsville - none

Loretto

Mayor Tom Brahm

Raywick – none

Phyliss Troutman contacted John David May after meeting

LTADD Staff: John David May, Krista Levee, Mike Skaggs, Mike Robinson

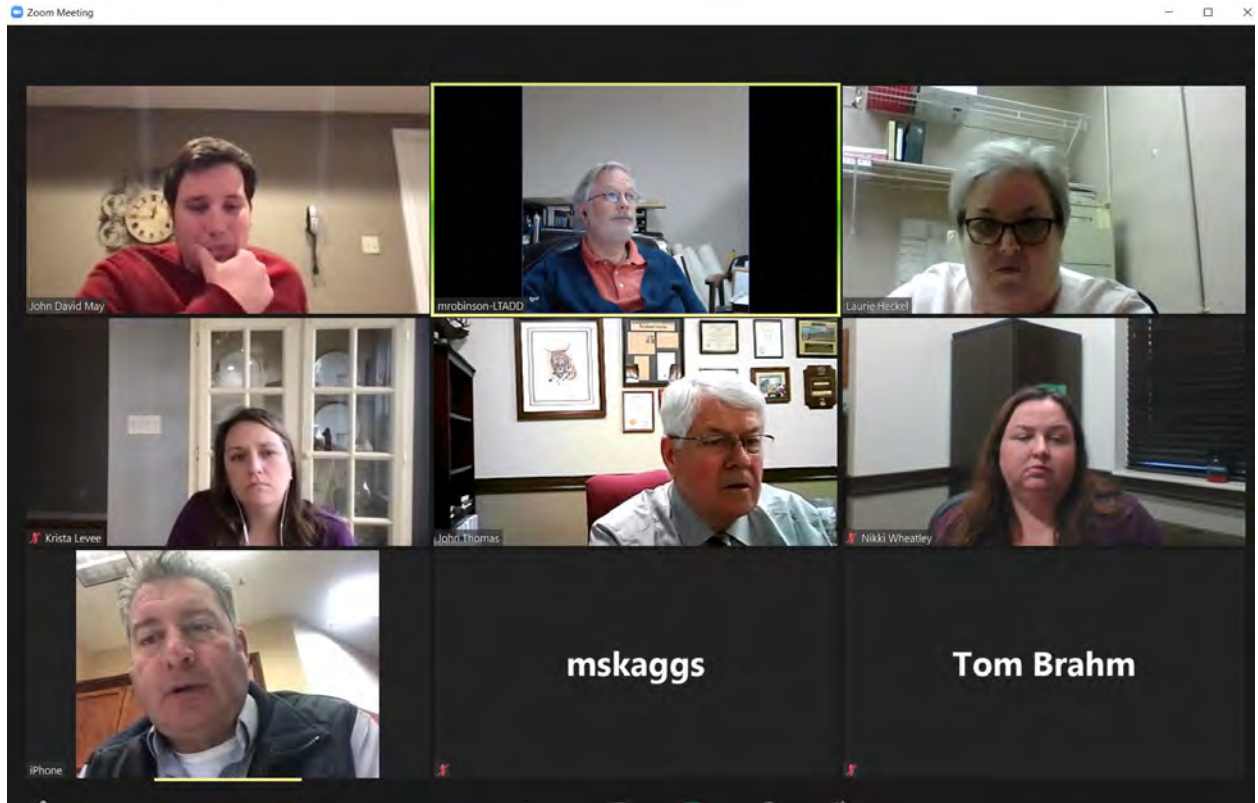
John David May went over the slides. Emphasized need for pictures and getting data reported back. Mike Robinson mentioned Kentucky Geological Survey's FEMA funded project for Karst study of Lincoln Trail Region

Questions/Comments:

Laurie Heckel. Needs copy of 2015 plan. Mike Robinson will email link to webpage.

John Thomas, is there a limit to funding amount for a mitigation project? Mike Robinson, unknown because changes with each iteration of funding. It is not on a regular schedule and usually occurs when FEMA provides funding subsequent to a declared disaster in a region or state. Do put projects in, broadly defined and have an adopted plan in place as one requirement to be eligible for funding.

Judge Daugherty, have you also contacted Bradfordsville and Raywick? John David, yes they have also been notified regarding this update planning process. No response yet but JDM will follow up with them.



Meade County – County Wide Hazard Mitigation

Date: March 19th, 2021

Location: Zoom

Attendees:

Meade County

Leslie Stith, Judge Executive

Ron Dotson, Emergency Management

Kris Reichmuth, Executive Assistant to Judge Executive

Brandenburg

Ronnie Joiner, Mayor

Ekron – None

Muldraugh

Joseph Noon, Mayor

Caroline Cline, City Clerk

LTADD Staff: John David May, Krista Levee, Mike Skaggs, Mike Robinson

John David May went over the slides. Emphasized need for pictures and getting data reported back. Mike Robinson mentioned Kentucky Geological Survey's FEMA funded project for Karst study of Lincoln Trail Region

Questions/Comments:

Judge Executive Stith clarified that Meade's data list is separate from the city.

Ron Dotson mentioned a sink hole fire that occurred in recent past.

Judge Executive ask about effect on the Karst Study for farmers. Concerned about USDA pesticide runoff restrictions.

Mike Robinson said study is to improve mapping and acquire data, not regulatory in nature. He did recommend to Kentucky Geological Survey that they get news stories in local papers prior to any field work.



Nelson County– County Wide Hazard Mitigation

Date: March 23rd, 2021

Location: Zoom

Attendees:

Nelson County

Dean Watts, Judge Executive

Joe Prewitt, Emergency Manager

Bloomfield

Christopher Dudgeon, Mayor

Scott Thompson, Utilities Manager

Bardstown

Kim Kraezig, Police Chief

Gary Little, City Clerk

Chief Billy Mattingly

New Haven

Tessie Cecil Mayor

Fairfield – None

LTADD Staff: John David May, Krista Levee, Mike Skaggs, Mike Robinson

John David May went over the slides. Emphasized need for pictures and getting data reported back. Mike Robinson mentioned Kentucky Geological Survey's FEMA funded project for Karst study of Lincoln Trail Region.

Questions/Comments:

Judge Executive commented some data was very dated (1995?)

Chief Mattingly, Ask about worksheets. John David will confirm correct ones sent.

Joe Prewitt, much info already been compiled, he will submit that list. John David confirmed with working with him.



Washington County – County Wide Hazard Mitigation

Date: March 2nd, 2021

Location: Zoom

Attendees:

Tim Graves Judge Executive

Kevin Devine, Emergency Manager

Mackville - None

Springfield

Laurie Smith, City Clerk

Kathy Elliot, Special Projects

Willisburg- None

LTADD Staff: John David May, Krista Levee, Mike Skaggs, Mike Robinson

John David May went over the slides. Emphasized need for pictures and getting data reported back.

Questions/Comments

Judge Executive ask about timeframe 6 years, no every 5 but a little late this cycle due to FEMA.

Judge Executive ask if combine city/county data. No, report separately in Plan, Help each other as possible though.

Some discussion about needing to update projects. History of projects. Need for approved plan to get funding from FEMA.

Planning Process Appendix ~ Meeting Attendees

LINCOLN TRAIL ADD BOARD OF DIRECTORS		
ATTENDANCE SHEET		
Wednesday, October 21, 2020		
MEMBERS	JURISDICTION	TITLE/AFFILIATION
Judge Maurice Lucas	Breckinridge County	County Judge Executive
Ms. Gwan Bickett	Breckinridge County	Citizen Member
Mr. Ted Brown	Breckinridge County	Citizen Member
Judge Kevin Henderson	Grayson County	County Judge Executive
Mr. Paul Steenbergen	Grayson County	Citizen Member
Judge Harry Berry	Hardin County	County Judge Executive
Ms. Laura Larue	Hardin County	Citizen Member
Mr. Darrin Powell	Hardin County	Citizen Member
Mr. Jim Roberts	Hardin County	Citizen Member
Judge Blake Durrett	LaRue County	County Judge Executive
Judge David Daugherty	Marion County	County Judge Executive
Mr. George Spragens	Marion County	Citizen Member
Judge Leslie Stith	Meade County	County Judge Executive
Mr. Bill Corum	Meade County	Citizen Member
Ms. Janet Hobbs	Meade County	Aging Advisory Council Chair
Judge Dean Watts	Nelson County	County Judge Executive
Judge Timothy Graves	Washington County	County Judge Executive
Ms. Dorothy Logsdon	Washington County	Citizen Member
Mayor Ronnie Joyner	City of Brandenburg	Mayor
Mayor Candy Weatherholt	City of Cloverport	Mayor
Mr. Jason Root	Fort Knox	Designated Rep - Director of Public Works
Mr. Mike Burress	LTADD	Executive Director
Ms. Katie Peace	LTADD	Staff
Ms. Jane Alsip	LTADD	Staff
Ms. Sue Greenwell	LTADD	Staff
Ms. Sherry Johnson	LTADD	Staff
Mr. Mike Robinson	LTADD	Staff
Ms. Krista Levee	LTADD	Staff
Mr. Bo Martin	LTADD	Staff
Mr. Ashley Willoughby	LTADD	Staff
Mr. John David May	LTADD	Staff
Mr. Mike Skaggs	LTADD	Staff
Mr. Josh Knight	LTADD	Staff
Mr. Brad Newton	LTADD	Staff
Mr. Brian Smith	Guest	Citizen
Mr. Alex Caudill	Guest	Citizen

LINCOLN TRAIL ADD BOARD OF DIRECTORS		
ATTENDANCE SHEET		
Wednesday, January 20, 2021		
MEMBERS	JURISDICTION	TITLE/AFFILIATION
Judge Maurice Lucas	Breckinridge County	County Judge Executive
Mr. Ted Brown	Breckinridge County	Citizen Member
Judge Kevin Henderson	Grayson County	County Judge Executive
Mr. Paul Steenbergen	Grayson County	Citizen Member
Judge Harry Berry	Hardin County	County Judge Executive
Ms. Laura Larue	Hardin County	Citizen Member
Mr. Brad Richardson	Hardin County	Citizen Member
Mr. Kenny Saltsman	Hardin County	Citizen Member
Ms. Kendra Scott	Hardin County	Citizen Member
Judge Blake Durrett	LaRue County	County Judge Executive
Judge David Daugherty	Marion County	County Judge Executive
Mr. George Spragens	Marion County	Citizen Member
Mr. Jerry Evans	Marion County	Citizen Member
Judge Leslie Stith	Meade County	County Judge Executive
Mr. Bill Corum	Meade County	Citizen Member
Ms. Janet Hobbs	Meade County	Aging Advisory Council Chair
Judge Dean Watts	Nelson County	County Judge Executive
Judge Timothy Graves	Washington County	County Judge Executive
Ms. Dorothy Logsdon	Washington County	Citizen Member
Mayor Ronnie Joyner	City of Brandenburg	Mayor
Mayor Candy Weatherholt	City of Cloverport	Mayor
Mayor Jeff Gregory	City of Elizabethtown	Mayor
Mr. Stephen Clark	City of Hardinsburg	Rep for Mayor Wayne Macy
Mr. John Thomas	City of Lebanon	Rep for Mayor Gary Crenshaw
Mr. Jason Root	Fort Knox	Designated Rep - Director of Public Works
Mr. Mike Burress	LTADD	Executive Director
Ms. Katie Peace	LTADD	Staff
Ms. Sue Greenwell	LTADD	Staff
Ms. Sherry Johnson	LTADD	Staff
Mr. Mike Robinson	LTADD	Staff
Ms. Krista Levee	LTADD	Staff
Mr. Bo Martin	LTADD	Staff
Mr. Ashley Willoughby	LTADD	Staff
Mr. John David May	LTADD	Staff
Mr. Josh Knight	LTADD	Staff
Mr. Brad Newton	LTADD	Staff
Mr. Brian Smith	Guest	Guest
Ms. Robbin Taylor	Guest	Guest
Mr. Andrew Condina	Guest	Guest
Ms. Shellie Hampton	Guest	Guest
Ms. Gracie Lagadinos	Guest	Guest
Mr. Jim Bradford	Guest	Guest
Mr. Carter Dyson	Guest	Guest
Mr. Alex Caudill	Guest	Guest

LINCOLN TRAIL ADD BOARD OF DIRECTORS		
ATTENDANCE SHEET		
Wednesday, February 17, 2021		
MEMBERS	JURISDICTION	TITLE/AFFILIATION
Judge Maurice Lucas	Breckinridge County	County Judge Executive
Mr. Ted Brown	Breckinridge County	Citizen Member
Ms. Becky Miller	Grayson County	Citizen Member
Mr. Paul Steenberg	Grayson County	Citizen Member
Judge Harry Berry	Hardin County	County Judge Executive
Mr. Darrin Powell	Hardin County	Citizen Member
Mr. Jim Roberts	Hardin County	Citizen Member
Ms. Kendra Scott	Hardin County	Citizen Member
Judge Blake Durrett	LaRue County	County Judge Executive
Mr. Bobby Claycomb	LaRue County	Citizen Member
Judge David Daugherty	Marion County	County Judge Executive
Mr. George Spragens	Marion County	Citizen Member
Mr. Jerry Evans	Marion County	Citizen Member
Judge Leslie Slith	Meade County	County Judge Executive
Mr. Bill Corum	Meade County	Citizen Member
Judge Dean Watts	Nelson County	County Judge Executive
Judge Timothy Graves	Washington County	County Judge Executive
Ms. Dorothy Logsdon	Washington County	Citizen Member
Mr. Buddy Parker	Washington County	Citizen Member
Mayor Dick Heaton	City of Bardstown	Mayor
Mayor Ronnie Joyner	City of Brandenburg	Mayor
Mayor Candy Weatherholt	City of Cloverport	Mayor
Mayor Jeff Gregory	City of Elizabethtown	Mayor
Mr. Stephen Clark	City of Hardinsburg	Rep for Mayor Wayne Macy
Mayor Yvonne Kennedy	City of Irvington	Mayor
Mr. John Thomas	City of Lebanon	Rep for Mayor Gary Crenshaw
Mr. Jason Root	Fort Knox	Designated Rep - Director of Public Works
Mr. Mike Burress	LTADD	Executive Director
Ms. Katie Peace	LTADD	Staff
Ms. Jane Alsip	LTADD	Staff
Ms. Sue Greenwell	LTADD	Staff
Ms. Sherry Johnson	LTADD	Staff
Mr. Mike Robinson	LTADD	Staff
Ms. Krista Levee	LTADD	Staff
Mr. Bo Martin	LTADD	Staff
Mr. Ashley Willoughby	LTADD	Staff
Mr. John David May	LTADD	Staff
Mr. Josh Knight	LTADD	Staff
Mr. Mike Skaggs	LTADD	Staff
Mr. Brian Smith	Guest	Guest
Mr. Doug Taylor	Guest	Guest
Mr. Jim Bradford	Guest	Guest
Mr. Carter Dyson	Guest	Guest
Mr. Jon Crosby	Guest	Guest
Mr. Alex Caudill	Guest	Guest

LINCOLN TRAIL ADD BOARD OF DIRECTORS		
ATTENDANCE SHEET		
Wednesday, March 17, 2021		
MEMBERS	JURISDICTION	TITLE/AFFILIATION
Judge Maurice Lucas	Breckinridge County	County Judge Executive
Mr. Ted Brown	Breckinridge County	Citizen Member
Mr. Dean Schamore	Breckinridge County	Citizen Member
Mr. Paul Steenbergen	Grayson County	Citizen Member
Judge Harry Berry	Hardin County	County Judge Executive
Ms. Laura Larue	Hardin County	Citizen Member
Mr. Darrin Powell	Hardin County	Citizen Member
Mr. Jim Roberts	Hardin County	Citizen Member
Ms. Kendra Scott	Hardin County	Citizen Member
Judge Blake Durrett	LaRue County	County Judge Executive
Judge David Daugherty	Marion County	County Judge Executive
Mr. George Spragens	Marion County	Citizen Member
Mr. Jerry Evans	Marion County	Citizen Member
Mr. Stanley Gaddie	Marion County	Citizen Member
Judge Leslie Stith	Meade County	County Judge Executive
Ms. Janet Hobbs	Meade County	Citizen Member
Judge Timothy Graves	Washington County	County Judge Executive
Ms. Dorothy Logsdon	Washington County	Citizen Member
Mayor Ronnie Joyner	City of Brandenburg	Mayor
Mayor Candy Weatherholt	City of Cloverport	Mayor
Mr. Stephen Clark	City of Hardinsburg	Rep for Mayor Wayne Macy
Mayor Yvonne Kennedy	City of Irvington	Mayor
Mr. John Thomas	City of Lebanon	Rep for Mayor Gary Crenshaw
Mayor William Ash	City of West Point	Mayor
Mr. Jason Root	Fort Knox	Designated Rep - Director of Public Works
Mr. Mike Burress	LTADD	Executive Director
Ms. Katie Peace	LTADD	Staff
Ms. Jane Alsip	LTADD	Staff
Ms. Sue Greenwell	LTADD	Staff
Ms. Sherry Johnson	LTADD	Staff
Ms. Krista Levee	LTADD	Staff
Mr. Bo Martin	LTADD	Staff
Mr. Ashley Willoughby	LTADD	Staff
Mr. John David May	LTADD	Staff
Mr. Josh Knight	LTADD	Staff
Mr. Mike Skaggs	LTADD	Staff
Mr. Brad Newton	LTADD	Staff
Ms. Grace Spalding	LTADD	Staff
Mr. Forrest Poole	LTADD	Aging Intern
Mr. Brian Smith	Guest	Guest
Ms. Sandy Simpson	Guest	Guest
Mr. Alex Caudill	Guest	Guest

LINCOLN TRAIL ADD CLERKS ASSOCIATION MEETING	
ATTENDANCE SHEET (ZOOM)	
Wednesday, February 24, 2021	
CLERK	JURISDICTION
Toni Burton	City of Hodgenville
Lori Woosley	City of Leitchfield
Gaye Moore	City of West Point
Marcia Finley	City of Cloverport
Lisa Burdett	City of Bardstown
Stephen Clark	City of Hardinsburg
Gary Little	City of Bardstown
Ashley Russo	City of Radcliff
Laurie Smith	City of Springfield
Jessica Hart	City of Springfield
Mona Drane	City of Irvington
Connie Gootee	City of Caneyville
Nikki Wheatley	City of Lebanon
Krista Levee	LTADD (Public Administration Spec)

LINCOLN TRAIL ADD CLERKS ASSOCIATION MEETING	
ATTENDANCE SHEET (ZOOM)	
Wednesday, April 28, 2021	
CLERK	JURISDICTION
Toni Burton	City of Hodgenville
Scotty Gore	City of Clarkson
Lori Woosley	City of Leitchfield
Gaye Moore	City of West Point
Marcia Finley	City of Cloverport
Lisa Burdett	City of Bardstown
Caroline Cline	City of Muldraugh
Stephen Clark	City of Hardinsburg
Gary Little	City of Bardstown
Ashley Russo	City of Radcliff
Amy Haybes	City of Brandenburg
Laurie Smith	City of Springfield
Jessica Hart	City of Springfield
Mona Drane	City of Irvington
Connie Gootee	City of Caneyville
Nikki Wheatley	City of Lebanon
Krista Levee	LTADD (Public Administration Spec)
John David May	LTADD (Hazard Mitigation Planner)

Flooding/Flash-Flooding Risk Assessment Appendix

Breckinridge County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Breckinridge	Zone	1/22/1996	Flood	0	0	\$ -	\$ -	0	0
2	Breckinridge	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Breckinridge	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Breckinridge	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
3	Breckinridge	Zone	3/2/1997	Flood	0	0	\$ 10,000,000.00	\$ -	0	0
4	Breckinridge	VARIOUS PARTS	6/8/1997	Flash Flood	0	0	\$ -	\$ -	0	0
5	Breckinridge	COUNTYWIDE	1/22/1999	Flash Flood	0	0	\$ -	\$ -	0	0
6	Breckinridge	COUNTYWIDE	1/3/2000	Flash Flood	0	0	\$ -	\$ -	0	0
7	Breckinridge	COUNTYWIDE	1/24/2002	Flash Flood	0	0	\$ -	\$ -	0	0
8	Breckinridge	BIG SPG	3/26/2002	Flash Flood	0	0	\$ -	\$ -	0	0
9	Breckinridge	COUNTYWIDE	9/27/2002	Flash Flood	0	0	\$ -	\$ -	0	0
10	Breckinridge	CUSTER	12/19/2002	Flash Flood	0	0	\$ -	\$ -	0	0
	Breckinridge	Zone	12/19/2002	Flood	0	0	\$ -	\$ -	0	0
11	Breckinridge	MADRID	5/25/2004	Flash Flood	0	0	\$ -	\$ -	0	0
12	Breckinridge	Zone	1/7/2005	Flood	0	0	\$ -	\$ -	0	0
13	Breckinridge	WEBSTER	7/21/2006	Flash Flood	0	0	\$ -	\$ -	0	0
14	Breckinridge	COUNTYWIDE	9/23/2006	Flood	0	0	\$ -	\$ -	0	0
15	Breckinridge	BASIN SPG	3/19/2008	Flash Flood	0	0	\$ -	\$ -	0	0
16	Breckinridge	WEBSTER	5/2/2010	Flash Flood	0	0	\$ -	\$ -	0	0
17	Breckinridge	CORNERS	4/23/2011	Flood	0	0	\$ -	\$ -	0	0
18	Breckinridge	BIG SPG	4/24/2011	Flash Flood	0	0	\$ -	\$ -	0	0
19	Breckinridge	MYSTIC	12/22/2013	Flood	0	0	\$ -	\$ -	0	0
20	Breckinridge	VANZANT	3/4/2015	Flood	0	0	\$ -	\$ -	0	0
21	Breckinridge	KINGSWOOD	4/7/2015	Flood	0	0	\$ -	\$ -	0	0
22	Breckinridge	CORNERS	2/23/2018	Flood	0	0	\$ -	\$ -	0	0
	Breckinridge	SAMPLE	2/23/2018	Flood	0	0	\$ -	\$ -	0	0
23	Breckinridge	FAIRFIELD	11/1/2018	Flood	0	0	\$ -	\$ -	0	0
24	Breckinridge	CUSTER	11/30/2019	Flash Flood	0	0	\$ -	\$ -	0	0
25	Breckinridge	ROSETTA	12/11/2021	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ 10,000,000.00	\$ -	0	0

Breckinridge County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent; Impacts: Event Narrative
1	Breckinridge	Zone	1/22/1996	Flood	
2	Breckinridge	COUNTYWIDE	3/1/1997	Flash Flood	
	Breckinridge	COUNTYWIDE	3/1/1997	Flash Flood	
	Breckinridge	Zone	3/1/1997	Flood	
3	Breckinridge	Zone	3/2/1997	Flood	
4	Breckinridge	VARIOUS PARTS	6/8/1997	Flash Flood	
5	Breckinridge	COUNTYWIDE	1/22/1999	Flash Flood	
6	Breckinridge	COUNTYWIDE	1/3/2000	Flash Flood	Several roads washed out ¹
7	Breckinridge	COUNTYWIDE	1/24/2002	Flash Flood	Flood waters closed roads countywide.
8	Breckinridge	BIG SPG	3/26/2002	Flash Flood	Highway 333 near Big Springs was impassable due to high water.
9	Breckinridge	COUNTYWIDE	9/27/2002	Flash Flood	
10	Breckinridge	CUSTER	12/19/2002	Flash Flood	A bridge was covered by water on Highway 690.
	Breckinridge	Zone	12/19/2002	Flood	Numerous roads remained closed countywide due to standing or flowing water.
11	Breckinridge	MADRID	5/25/2004	Flash Flood	Water covered parts of Highway 259 in southern Breckinridge County.
12	Breckinridge	Zone	1/7/2005	Flood	
13	Breckinridge	WEBSTER	7/21/2006	Flash Flood	Flash flooding was reported along Cook Ridge Road.
14	Breckinridge	COUNTYWIDE	9/23/2006	Flood	Highway 333S was closed between Corners and Big Springs. There was a hole in the Highway 86 bridge at Webster. Highway 86 was closed between Custer and Corners, with water over the bridge. The Corners-Rosetta Road was closed. Highway 2199 was closed between Big Springs and High Plains. Highway 333 was closed between Big Springs and the Meade and Hardin County line.
15	Breckinridge	BASIN SPG	3/19/2008	Flash Flood	High waters from heavy rains closed the Rosetta-Corners Road, the Bethel-Dents Bridge-Rosetta Road, and Tules Creek Road.
16	Breckinridge	WEBSTER	5/2/2010	Flash Flood	Multiple roads were closed countywide due to flood waters, including KY 333 between mile markers 15 and 16, KY 690 between the 16 and 17 mile markers, and KY 2199 between the 1 and 2 mile markers.

¹ "High water" (or a variation of "water covering the roads" or "roads washed out") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

Count	County	Location	Date	Type	Extent; Impacts: Event Narrative
17	Breckinridge	CORNERS	4/23/2011	Flood	The emergency manager reported a temporary bridge was washed out overnight with access to the road shut down for the remainder of the weekend. Other locations that were flooding included Rosetta Corners Rd., Hwy. 690 at Corners, and HWy2199, High Plains Rd., at Lamar Ln.
18	Breckinridge	BIG SPG	4/24/2011	Flash Flood	Several roads were closed throughout Breckinridge county including along Hwy. 333. Other locations affected include Hudson and McDaniels.
19	Breckinridge	MYSTIC	12/22/2013	Flood	A HAM Radio operator reported that KY Highway 86 near Lodiburg was closed due to high water.
20	Breckinridge	VANZANT	3/4/2015	Flood	State Highway 261, near its intersection with State Highway 1385, was briefly closed due to high water.
21	Breckinridge	KINGSWOOD	4/7/2015	Flood	Department of Highway officials reported that Tuels Creek Rd was closed due to high water and excessive heavy rainfall.
22	Breckinridge	CORNERS	2/23/2018	Flood	Corners Road and Highway 333 flooded with high water.
	Breckinridge	SAMPLE	2/23/2018	Flood	Local media reported New Bethal Road flooded with high water over it.
23	Breckinridge	FAIRFIELD	11/1/2018	Flood	Fairfield-Hudson Road was closed due to flooding.
24	Breckinridge	CUSTER	11/30/2019	Flash Flood	Swift water was running over parts of Highway 690 near Custer. A vehicle was submerged in water on Rosetta Corners Road also near Custer. Numerous other roads were also flooded in the county.
25	Breckinridge	ROSETTA	12/11/2021	Flash Flood	Water was flowing over a bridge on Rosetta Corners Road.

City of Cloverport Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Breckinridge	Cloverport	12/15/2007	Flood	0	0	\$ -	\$ -	0	0
2	Breckinridge	Cloverport	2/23/2018	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Cloverport Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Breckinridge	Cloverport	12/15/2007	Flood	Several county roads were closed due to high water ² .
2	Breckinridge	Cloverport	2/23/2018	Flood	Local media reported Tar Springs Road bridge flooded with high water flowing over it.

City of Hardinsburg Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Breckinridge	Hardinsburg	5/24/2004	Flash Flood	0	0	\$ -	\$ -	0	0
2	Breckinridge	Hardinsburg Airport	4/3/2015	Flash Flood	0	0	\$ -	\$ -	0	0
3	Breckinridge	Hardinsburg Airport	7/3/2015	Flash Flood	0	0	\$ -	\$ -	0	0
4	Breckinridge	Hardinsburg Airport	2/25/2018	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Hardinsburg Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Breckinridge	Hardinsburg	5/24/2004	Flash Flood	Water was over a bridge on Kirk Axtel Road near Glen Dean.
2	Breckinridge	Hardinsburg Airport	4/3/2015	Flash Flood	Emergency management reported that KY 261 at Dorridge Creek was closed due to high water ³ . Between 3 and 4 inches of rain fell across the county.
3	Breckinridge	Hardinsburg Airport	7/3/2015	Flash Flood	After several inches of rain, a law enforcement official with Breckenridge County reported that KY 1385 was flooded in spots.
4	Breckinridge	Hardinsburg Airport	2/25/2018	Flood	Numerous roads closed in the county due to high water and flooding, including parts of KY 261, KY 992, KY 2779, KY 2199, and KY 259.

² "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

³ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Irvington Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Breckinridge	Irvington	5/26/2004	Flash Flood	0	0	\$ -	\$ -	0	0
2	Breckinridge	Irvington	5/25/2006	Flash Flood	1	0	\$ 10,000.00	\$ -	0	0
3	Breckinridge	Irvington	12/21/2013	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			1	0	\$ 10,000.00	\$ -	0	0

City of Irvington Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Breckinridge	Irvington	5/26/2004	Flash Flood	Five to six inches of water were over a road in the town of Irvington. Two inches of water were standing on other roads.
2	Breckinridge	Irvington	5/25/2006	Flash Flood	Fast flowing waters swept a car off Dents Bridge Road into Sinking Creek near Irvington. Two adults escaped from the car, but were unable to rescue a child strapped in a car seat before the car was swept away.
3	Breckinridge	Irvington	12/21/2013	Flash Flood	A spotter reported via HAM radio that KY HWY 60 was under water near the Dollar Store in Irvington.

Grayson County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Grayson	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Grayson	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Grayson	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Grayson	Zone	3/1/1997	Flood	0	0	\$ 500,000.00	\$ -	0	0
	Grayson	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
2	Grayson	COUNTYWIDE	3/5/1997	Flash Flood	0	0	\$ -	\$ -	0	0
3	Grayson	EASTERN PART	6/21/1997	Flash Flood	0	0	\$ -	\$ -	0	0
4	Grayson	COUNTYWIDE	1/22/1999	Flash Flood	0	0	\$ -	\$ -	0	0
5	Grayson	COUNTYWIDE	3/20/2002	Flash Flood	0	0	\$ -	\$ -	0	0
6	Grayson	SHORT CREEK	7/6/2003	Flash Flood	0	0	\$ -	\$ -	0	0
7	Grayson	COUNTYWIDE	6/2/2004	Flash Flood	0	0	\$ -	\$ -	0	0
8	Grayson	COUNTYWIDE	9/23/2006	Flash Flood	0	0	\$ -	\$ -	0	0
9	Grayson	HICKORY CORNER	5/11/2007	Flash Flood	0	0	\$ -	\$ -	0	0
10	Grayson	IBERIA	12/13/2007	Flood	0	0	\$ -	\$ -	0	0
11	Grayson	NEAFUS	12/15/2007	Flood	0	0	\$ 10,000.00	\$ -	0	0
12	Grayson	PINE KNOB	4/4/2008	Flood	0	0	\$ -	\$ -	0	0
13	Grayson	SPRING LICK	5/2/2010	Flash Flood	0	0	\$ -	\$ -	0	0
14	Grayson	SPRING LICK	7/21/2010	Flash Flood	0	0	\$ -	\$ -	0	0
15	Grayson	READY	6/27/2011	Flash Flood	0	0	\$ 5,000.00	\$ -	0	0
16	Grayson	SHORT CREEK	2/23/2019	Flash Flood	0	0	\$ -	\$ -	0	0
17	Grayson	PETH	11/30/2019	Flash Flood	0	0	\$ 10,000.00	\$ -	0	0
18	Grayson	BIG CLIFTY	6/28/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	Grayson	CHURCH	6/28/2020	Flash Flood	0	0	\$ 30,000.00	\$ -	0	0
	Grayson	CHURCH	6/28/2020	Flash Flood	0	0	\$ 15,000.00	\$ -	0	0
	Grayson	PEONIA	6/28/2020	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ 570,000.00	\$ -	0	0

Grayson County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Grayson	Zone	3/1/1997	Flood	
	Grayson	Zone	3/1/1997	Flood	
	Grayson	COUNTYWIDE	3/1/1997	Flash Flood	
	Grayson	COUNTYWIDE	3/1/1997	Flash Flood	
	Grayson	COUNTYWIDE	3/1/1997	Flash Flood	
2	Grayson	COUNTYWIDE	3/5/1997	Flash Flood	
3	Grayson	EASTERN PART	6/21/1997	Flash Flood	A heavy thunderstorm dumped as much as 1.5 inches of rain in less than an hour across eastern parts of the county. Several roads were water covered ⁴ .
4	Grayson	COUNTYWIDE	1/22/1999	Flash Flood	
5	Grayson	COUNTYWIDE	3/20/2002	Flash Flood	Numerous roads were impassable. Creeks and streams were out of their banks.
6	Grayson	SHORT CREEK	7/6/2003	Flash Flood	Two feet of water covered the roadway at the intersection of highways 79 and 54.
7	Grayson	COUNTYWIDE	6/2/2004	Flash Flood	
8	Grayson	COUNTYWIDE	9/23/2006	Flash Flood	Numerous roads were closed due to high water.
9	Grayson	HICKORY CORNER	5/11/2007	Flash Flood	Several roads were under water.
10	Grayson	IBERIA	12/13/2007	Flood	Creeks were out of their banks in a few spots across the county.
11	Grayson	NEAFUS	12/15/2007	Flood	A county road was washed out by flood waters.
12	Grayson	PINE KNOB	4/4/2008	Flood	Numerous county roads were closed due to high water, or debris left over from high water..
13	Grayson	SPRING LICK	5/2/2010	Flash Flood	Multiple roads were closed due to high water in Grayson County including KY 878 between mile markers 2 and 3, US 62 between the 7 and 8 mile markers, and portions of KY 224.
14	Grayson	SPRING LICK	7/21/2010	Flash Flood	Grayson county emergency management reported very rapid response of streams with more than six inches of water flowing over roadways for a brief period of time in southern Grayson county.
15	Grayson	READY	6/27/2011	Flash Flood	Law enforcement reported that several roads were washed out due to flooding south of Caneyville. One vehicle was later recovered from the water.
16	Grayson	SHORT CREEK	2/23/2019	Flash Flood	Short Creek was flowing over the road at the intersection of Highway 79 and Highway 54.
17	Grayson	PETH	11/30/2019	Flash Flood	There was a water rescue reported on Pleasant View Road near South Fork Caney Creek. The start time of flash flooding is unclear.
18	Grayson	BIG CLIFTY	6/28/2020	Flash Flood	There was flooding reported over Crown Rock Road in Big Clifty.
	Grayson	CHURCH	6/28/2020	Flash Flood	There were multiple reports of flooding across the entire county. A vehicle stalled in a flooded roadway in Leitchfield, and the Western Kentucky Parkway had reports of flooding.
	Grayson	CHURCH	6/28/2020	Flash Flood	The fire department assisted a couple and their dog by boat at a location off Sadler Road. Water was approximately 2 feet above the foundation when they arrived.
	Grayson	PEONIA	6/28/2020	Flash Flood	The media shared a photo of flash flooding at Taylor Fork Road Bridge in Grayson County.

⁴ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Caneyville Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Grayson	Caneyville	5/27/2009	Flood	0	0	\$ -	\$ -	0	0
2	Grayson	Caneyville	2/22/2018	Flood	0	0	\$ 250,000.00	\$ -	0	0
		TOTALS:			0	0	\$ 250,000.00	\$ -	0	0

City of Caneyville Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Grayson	Caneyville	5/27/2009	Flood	Flooding was reported on parts of Highway 62 along with street flooding of two to four inches in Caneyville.
2	Grayson	Caneyville	2/22/2018	Flood	The public reported Caney Creek was out of its bank. In addition there were several reports of road washouts, slippage, erosion, and broken pavement due to flooded roads and high water ⁵ .

City of Clarkson Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Grayson	Clarkson	1/10/2008	Flash Flood	0	0	\$ -	\$ -	0	0
2	Grayson	Clarkson	4/27/2016	Flood	0	0	\$ -	\$ -	0	0
3	Grayson	Clarkson	3/28/2020	Flash Flood	0	0	\$ -	\$ -	0	0
4	Grayson	Clarkson	7/5/2020	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Clarkson Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Grayson	Clarkson	1/10/2008	Flash Flood	Six inches of water covered some roadways. Some yards were under water.
2	Grayson	Clarkson	4/27/2016	Flood	A trained spotter reported 2 to 4 inches of water flowing over portions of highway 224.
3	Grayson	Clarkson	3/28/2020	Flash Flood	Millerstown Road in Clarkson was closed due to high water ⁶ .
4	Grayson	Clarkson	7/5/2020	Flash Flood	There was water flowing over Millerstown Road and Highway 224 near Clarkson, Kentucky.

⁵ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

⁶ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Leitchfield Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Grayson	Leitchfield	3/5/1996	Flood	0	0	\$ -	\$ -	0	0
2	Grayson	Leitchfield	8/11/2003	Flash Flood	0	0	\$ -	\$ -	0	0
3	Grayson	Leitchfield	11/11/2004	Flash Flood	0	0	\$ -	\$ -	0	0
4	Grayson	Leitchfield	8/12/2010	Flash Flood	0	0	\$ -	\$ -	0	0
5	Grayson	Leitchfield	12/21/2013	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Leitchfield Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Grayson	Leitchfield	3/5/1996	Flood	
2	Grayson	Leitchfield	8/11/2003	Flash Flood	Water was flowing over ⁷ Highway 259 at the Bear Creek Bridge.
3	Grayson	Leitchfield	11/11/2004	Flash Flood	Water was over Bloomington Road in several places.
4	Grayson	Leitchfield	8/12/2010	Flash Flood	Flooding was reported in a parking lot near the Leitchfield Sheriff's office. This forced a rapid removal of patrol cars.
5	Grayson	Leitchfield	12/21/2013	Flash Flood	Flashing Flooding was reported on the 500 block of Mill Street in Leitchfield. Around 8 inches of water was running across the road.

⁷ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

Hardin County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Hardin	Zone	1/22/1996	Flood	0	0	\$ -	\$ -	0	0
2	Hardin	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
3	Hardin	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Hardin	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
4	Hardin	Zone	3/2/1997	Flood	0	0	\$ -	\$ -	0	0
	Hardin	Zone	3/2/1997	Flood	1	0	\$ -	\$ -	0	0
5	Hardin	COUNTYWIDE	3/5/1997	Flash Flood	0	0	\$ -	\$ -	0	0
6	Hardin	NORTHERN PART	6/21/1997	Flash Flood	0	0	\$ -	\$ -	0	0
7	Hardin	COUNTYWIDE	6/21/1998	Flash Flood	0	0	\$ -	\$ -	0	0
8	Hardin	COUNTYWIDE	1/3/2000	Flash Flood	0	0	\$ -	\$ -	0	0
9	Hardin	GLENDALE	5/26/2004	Flash Flood	0	0	\$ -	\$ -	0	0
10	Hardin	Zone	1/8/2005	Flood	0	0	\$ -	\$ -	0	0
11	Hardin	Zone	3/29/2005	Flood	0	0	\$ -	\$ -	0	0
12	Hardin	STEPHENSBURG	5/25/2006	Flash Flood	0	0	\$ -	\$ -	0	0
13	Hardin	COUNTYWIDE	9/22/2006	Flash Flood	0	0	\$ 500,000.00	\$ -	0	0
14	Hardin	COUNTYWIDE	9/23/2006	Flash Flood	0	0	\$ -	\$ -	0	0
15	Hardin	COLESBURG	1/10/2008	Flash Flood	0	0	\$ -	\$ -	0	0
16	Hardin	ROGERSVILLE	9/20/2009	Flash Flood	0	0	\$ -	\$ -	0	0
17	Hardin	TUNNEL HILL	5/2/2010	Flash Flood	0	0	\$ -	\$ -	0	0
18	Hardin	MARTIN BOX	4/12/2011	Flash Flood	0	0	\$ -	\$ -	0	0
19	Hardin	LONG VIEW	4/23/2011	Flash Flood	0	0	\$ -	\$ -	0	0
	Hardin	OLD STEPHENSBURG	4/23/2011	Flash Flood	0	0	\$ -	\$ -	0	0
20	Hardin	STAR MILLS	4/27/2011	Flood	0	0	\$ -	\$ -	0	0
21	Hardin	RINEYVILLE	7/24/2011	Flash Flood	0	0	\$ -	\$ -	0	0

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
22	Hardin	CECILIA	8/5/2012	Flash Flood	0	0	\$ -	\$ -	0	0
	Hardin	MARTIN BOX	8/5/2012	Flash Flood	0	0	\$ 5,000.00	\$ -	0	0
	Hardin	RINEYVILLE	8/5/2012	Flash Flood	0	0	\$ -	\$ -	0	0
23	Hardin	GLENDALE	12/22/2013	Flash Flood	0	0	\$ -	\$ -	0	0
24	Hardin	COLESBURG	6/23/2017	Flash Flood	0	0	\$ -	\$ -	0	0
	Hardin	GAITHERS	6/23/2017	Flash Flood	0	0	\$ -	\$ -	0	0
	Hardin	HOWE VLY	6/23/2017	Flash Flood	0	0	\$ -	\$ -	0	0
	Hardin	RINEYVILLE	6/23/2017	Flash Flood	0	0	\$ -	\$ -	0	0
25	Hardin	MARTIN BOX	2/24/2018	Flash Flood	0	0	\$ -	\$ -	0	0
26	Hardin	FRANKLIN XRDS	2/25/2018	Flood	0	0	\$ -	\$ -	0	0
27	Hardin	TUNNEL HILL	6/25/2018	Flood	0	0	\$ -	\$ -	0	0
28	Hardin	ST JOHN	6/26/2018	Flood	0	0	\$ -	\$ -	0	0
29	Hardin	GAITHERS	11/30/2019	Flash Flood	0	0	\$ 15,000.00	\$ -	0	0
	Hardin	GLENDALE	11/30/2019	Flash Flood	0	0	\$ -	\$ -	0	0
30	Hardin	GLENDALE JCT	3/12/2020	Flash Flood	0	0	\$ 3,000.00	\$ -	0	0
31	Hardin	LONG VIEW	8/14/2020	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			1	0	\$ 523,000.00	\$ -	0	0

Hardin County, Unincorporated Flooding/Flash-Flooding Events, Types, Location, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Hardin	Zone	1/22/1996	Flood	
2	Hardin	Zone	3/1/1997	Flood	
	Hardin	COUNTYWIDE	3/1/1997	Flash Flood	
	Hardin	COUNTYWIDE	3/1/1997	Flash Flood	
3	Hardin	Zone	3/2/1997	Flood	
	Hardin	Zone	3/2/1997	Flood	
4	Hardin	COUNTYWIDE	3/5/1997	Flash Flood	
5	Hardin	MINE GROVE	3/28/1997	Flash Flood	
6	Hardin	NORTHERN PART	6/21/1997	Flash Flood	A half a foot of water covered Highway 31 West across the northern part of the county as a heavy thunderstorm produced as much as 1.5 inches of rain in less than an hour.
7	Hardin	COUNTYWIDE	6/21/1998	Flash Flood	DES reported several roads water covered.
8	Hardin	COUNTYWIDE	1/3/2000	Flash Flood	Several roads under water
9	Hardin	GLENDALE	5/26/2004	Flash Flood	Highways 210 and 61 near the Larue County line were closed due to high water.
10	Hardin	Zone	1/8/2005	Flood	
11	Hardin	Zone	3/29/2005	Flood	
12	Hardin	STEPHENSBURG	5/25/2006	Flash Flood	The intersection of highways 62 and 84 was flooded.
13	Hardin	COUNTYWIDE	9/22/2006	Flash Flood	Water was reported in some homes and businesses in Elizabethtown and Radcliff. Ring Road in Elizabethtown was closed due to high water, and a vehicle was submerged. Dixie Highway north of Elizabethtown was closed. Valley Creek was out of its banks. A telephone switching center was flooded out, which knocked out telephone and internet communications for a large section of central and south central Kentucky. The Red Cross opened a shelter in Elizabethtown, which was occupied by up to two dozen residents. Numerous water rescues were performed. Parts of Interstate 65 were shut down for a time due to high water.
14	Hardin	COUNTYWIDE	9/23/2006	Flash Flood	Water covered many roads throughout the county.
15	Hardin	COLESBURG	1/10/2008	Flash Flood	A swift water rescue was performed along Highway 583 at Younger's Creek.
16	Hardin	ROGERSVILLE	9/20/2009	Flash Flood	The Lincoln Trail Health Center was flooded and a house flooded on Miller Avenue with one person being evacuated.
17	Hardin	TUNNEL HILL	5/2/2010	Flash Flood	Water was covering both of the eastbound lanes of the Bluegrass Parkway between mile markers 5 and 8.
18	Hardin	MARTIN BOX	4/12/2011	Flash Flood	Two water rescues took place. One was in Elizabethtown on Peterson Dr. The second car was located at High Plains Rd. and Lamar Ln.
19	Hardin	LONG VIEW	4/23/2011	Flash Flood	Hardin county EMS reported a low lying portion of Boone Rd. had two feet of water over the road.
	Hardin	OLD STEPHENSBURG	4/23/2011	Flash Flood	Hardin county EMS reported flooding on the 9900 block of Leitchfield Rd. southwest of Elizabethtown. Water was flowing and 1.5 to 2 feet deep.
20	Hardin	STAR MILLS	4/27/2011	Flood	Two feet of water covered Hwy. 1375 near Star Mills.
21	Hardin	RINEYVILLE	7/24/2011	Flash Flood	A HAM radio operator reported two feet of water flooding the intersection of State Highways 220 and 1600 in Rineyville.

Count	County	Location	Date	Type	Extent: Event Narrative
22	Hardin	CECILIA	8/5/2012	Flash Flood	High water briefly blocked the entrance to the Dollar General Store along Highway 62 near Cecilia.
	Hardin	MARTIN BOX	8/5/2012	Flash Flood	Local law enforcement reported that a water rescue was required from a vehicle at the Elizabethtown youth soccer facility.
	Hardin	RINEYVILLE	8/5/2012	Flash Flood	A section of State Highway 220 near Rineyville was closed due to high water.
23	Hardin	GLENDALE	12/22/2013	Flash Flood	Flowing water covered Gaither Station Road, making it impassable.
24	Hardin	COLESBURG	6/23/2017	Flash Flood	The Hardin County COOP Observer reported high water flowing across US Highway 62 northeast of Elizabethtown.
	Hardin	GAITHERS	6/23/2017	Flash Flood	Westbound lanes of the Western Kentucky Parkway at mile marker 133 were blocked due to high water. Traffic was rerouted off the road as a result.
	Hardin	HOWE VLY	6/23/2017	Flash Flood	High water was observed flowing across Kentucky Highway 86 between Cecilia and the Breckinridge County line.
	Hardin	RINEYVILLE	6/23/2017	Flash Flood	The public reported high water running down street.
25	Hardin	MARTIN BOX	2/24/2018	Flash Flood	The public reported flash flooding in the area.
26	Hardin	FRANKLIN XRDS	2/25/2018	Flood	Kentucky Highway 1375 between mile post 2 and 4 closed due to high water along with Kentucky Highway 210 at mile post 4.
27	Hardin	TUNNEL HILL	6/25/2018	Flood	US 62 was closed at the railroad underpass due to flooding.
28	Hardin	ST JOHN	6/26/2018	Flood	It was reported that Saint John's Road had some flooded spots, and there were tree branches scattered across the road.
29	Hardin	GAITHERS	11/30/2019	Flash Flood	The Elizabethtown Fire Department responded to a water rescue under a bridge on Interstate 65 South at mile marker 87. A man and three children were rescued with no injuries.
	Hardin	GLENDALE	11/30/2019	Flash Flood	Barricades were put up at Bacon Creek Road. There was an inch of water flowing over a road along the Meade County line.
30	Hardin	GLENDALE JCT	3/12/2020	Flash Flood	A KYTC maintenance supervisor in Green County reported water across Kentucky 61 near the Larue County line. Considerable debris was left on the roadway from a washout.
31	Hardin	LONG VIEW	8/14/2020	Flash Flood	Flowing water shut down parts of Boone Road.

City of Elizabethtown Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Hardin	Elizabethtown	5/31/1998	Flash Flood	0	0	\$ -	\$ -	0	0
2	Hardin	Elizabethtown	8/3/2000	Flash Flood	0	0	\$ 75,000.00	\$ -	0	0
3	Hardin	Elizabethtown	7/26/2001	Flash Flood	0	0	\$ 50,000.00	\$ -	0	0
4	Hardin	Elizabethtown	2/15/2003	Flash Flood	0	0	\$ 5,000.00	\$ -	0	0
5	Hardin	Elizabethtown Airport	9/20/2009	Flash Flood	0	0	\$ -	\$ -	0	0
6	Hardin	Elizabethtown	5/3/2011	Flood	0	0	\$ -	\$ -	0	0
7	Hardin	Elizabethtown	7/24/2011	Flash Flood	0	0	\$ -	\$ -	0	0
8	Hardin	Elizabethtown	8/5/2012	Flash Flood	0	0	\$ -	\$ -	0	0
9	Hardin	Elizabethtown	8/23/2014	Flood	0	0	\$ -	\$ -	0	0
10	Hardin	Elizabethtown	5/10/2016	Flash Flood	0	0	\$ -	\$ -	0	0
11	Hardin	Elizabethtown Airport	7/22/2016	Flash Flood	0	0	\$ -	\$ -	0	0
12	Hardin	Elizabethtown	6/25/2018	Flood	0	0	\$ -	\$ -	0	0
13	Hardin	Elizabethtown Airport	11/30/2019	Flood	0	0	\$ -	\$ -	0	0
14	Hardin	Elizabethtown Airport	7/20/2020	Flood	0	0	\$ 100,000.00	\$ -	0	0
		TOTALS:			0	0	\$ 230,000.00	\$ -	0	0

City of Elizabethtown Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Hardin	Elizabethtown	5/31/1998	Flash Flood	
2	Hardin	Elizabethtown	8/3/2000	Flash Flood	Nearly three inches of rain fell over parts of Hardin and Larue Counties over an hour and a half time period. The Elizabethtown City Springs Water Treatment Plant received 2.8 inches of rain through 430 PM EST. Several roads and highways in Hardin County and in Elizabethtown were closed due to high waters. Flood waters got into some basements and storage sheds in Elizabethtown.
3	Hardin	Elizabethtown	7/26/2001	Flash Flood	Cardinal and Shaw Creeks were out of their banks. Water was in the basements of several homes in the Cardinal Creek Subdivision.
4	Hardin	Elizabethtown	2/15/2003	Flash Flood	Several automobiles were stranded in high water ⁸ on Highway 62.
5	Hardin	Elizabethtown Airport	9/20/2009	Flash Flood	A car was swept off the road at Walter Boone Road and Trooper Hill Lane.
6	Hardin	Elizabethtown	5/3/2011	Flood	Numerous roads were closed in the southern end of Elizabethtown and across southern Hardin county.
7	Hardin	Elizabethtown	7/24/2011	Flash Flood	Local emergency management reported that several fishermen were swept away by rapidly rising water. No injuries were reported.
8	Hardin	Elizabethtown	8/5/2012	Flash Flood	In Elizabethtown, a spotter reported that six to seven inches of flowing water closed the State Highway 31 bypass near St John Road.
9	Hardin	Elizabethtown	8/23/2014	Flood	Heavy rain flooded several streets in Elizabethtown. Nearby, in Rineyville, 2.5 inches of rain fell in under 2 hours.
10	Hardin	Elizabethtown	5/10/2016	Flash Flood	The public reported flooded roads around the courthouse in downtown.
11	Hardin	Elizabethtown Airport	7/22/2016	Flash Flood	Local law enforcement reported the 500 block of Walter Boone Road was impassable due to high water from excessive rainfall.
12	Hardin	Elizabethtown	6/25/2018	Flood	There was water on Hawkins Drive near Interstate 65.
13	Hardin	Elizabethtown Airport	11/30/2019	Flood	Four flood prone locations had water over roads near Elizabethtown.
14	Hardin	Elizabethtown Airport	7/20/2020	Flood	A shopping plaza parking lot was flooded, and water was completely above the car tires and almost up to door handles.

⁸ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Radcliff Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Hardin	Radcliff	4/28/1999	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Radcliff Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Hardin	Radcliff	4/28/1999	Flash Flood	Three to four inches of rain fell across northern Hardin county. Many reports of flooding and road closures due to flooding.

City of Sonora Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Hardin	Sonora	5/8/2009	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Sonora Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Hardin	Sonora	5/8/2009	Flash Flood	Water was covering Dixie Highway between Upton and Sonora.

City of Upton Flooding/Flash-Flooding Events, Types, Locations, Impacts, Extent, 1996-2022

The National Centers for Environmental Information (NCEI) Storm Events Database and the National Weather Service recorded between 1996 and 2022 zero (0) flooding or flash-flooding events specifically for the City of Upton.

Regarding extent and impacts, the City of Upton shares boundaries between Hardin and LaRue Counties. So, the event citations and the subsequent extent and impacts for Hardin County and LaRue County are assumed to apply to the City of Upton.

City of Vine Grove Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Hardin	Vine Grove	3/28/1997	Flash Flood	0	0	\$ -	\$ -	0	0
2	Hardin	Vine Grove	7/21/2006	Flash Flood	0	0	\$ -	\$ -	0	0
3	Hardin	Vine Grove	4/4/2008	Flash Flood	0	0	\$ 250,000.00	\$ -	0	0
4	Hardin	Vine Grove	11/30/2019	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ 250,000.00	\$ -	0	0

City of Vine Grove Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Hardin	Vine Grove	3/28/1997	Flash Flood	
2	Hardin	Vine Grove	7/21/2006	Flash Flood	Otter Creek and Brushy Fork Creeks were out of their banks.
3	Hardin	Vine Grove	4/4/2008	Flash Flood	Numerous county roads and streets in Vine Grove and Radcliff were closed due to high water ⁹ . Water got into homes on Frontier Court in Radcliff. A motorist drove into high water on Highway 144 near the Creekvale Subdivision, and a water rescue was performed. Water backed up into businesses and apartments in both Radcliff and Vine Grove.
4	Hardin	Vine Grove	11/30/2019	Flood	A NWS employee reported that creeks and ditches were overflowing and a few low water spots had water over them.

City of West Point Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Hardin	West Point	2/22/2018	Flood	0	0	\$ 1,250,000.00	\$ -	0	0
		TOTALS:			0	0	\$ 1,250,000.00	\$ -	0	0

City of West Point Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Hardin	West Point	2/22/2018	Flood	Many areas in and around West Point experienced significant river and areal flooding due to excessive rainfall. Multiple roads were washed out ¹⁰ , eroded or severely flooded. Many bridges had cracks or broken joints.

⁹ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

¹⁰ "High water" (or a variation of "water covering the roads" or "roads washed out") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

LaRue County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	LaRue	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
	LaRue	Zone	3/1/1997	Flood	0	0	\$ 400,000.00	\$ -	0	0
	LaRue	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
2	LaRue	COUNTYWIDE	3/20/2002	Flash Flood	0	0	\$ -	\$ -	0	0
3	LaRue	ATHERTONVILLE	9/3/2003	Flash Flood	0	0	\$ -	\$ -	0	0
4	LaRue	Zone	3/29/2005	Flood	0	0	\$ -	\$ -	0	0
5	LaRue	TONIEVILLE	1/10/2008	Flash Flood	0	0	\$ -	\$ -	0	0
6	LaRue	TONIEVILLE	4/4/2008	Flash Flood	0	0	\$ -	\$ -	0	0
8	LaRue	GATTON	5/2/2010	Flash Flood	0	0	\$ -	\$ -	0	0
9	LaRue	TANNER	4/17/2013	Flash Flood	0	0	\$ -	\$ -	0	0
10	LaRue	KEMP	4/3/2014	Flood	0	0	\$ -	\$ -	0	0
11	LaRue	BARREN RUN	8/5/2015	Flood	0	0	\$ -	\$ -	0	0
12	LaRue	BUFFALO	2/23/2019	Flash Flood	0	0	\$ -	\$ -	0	0
13	LaRue	BUFFALO	7/5/2020	Flood	0	0	\$ -	\$ -	0	0
14	LaRue	BARREN RUN	7/17/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	LaRue	BROOKS	7/17/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	LaRue	MAXINE	7/17/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	LaRue	TANNER	7/17/2020	Flash Flood	0	0	\$ -	\$ -	0	0
15	LaRue	GINSENG	8/14/2021	Flash Flood	0	0	\$ -	\$ -	0	0
	LaRue	JERICHO	8/14/2021	Flash Flood	0	0	\$ -	\$ -	0	0
	LaRue	TANNER	8/14/2021	Flash Flood	0	0	\$ -	\$ -	0	0
16	LaRue	TANNER	3/6/2022	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ 400,000.00	\$ -	0	0

LaRue County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	LaRue	Zone	3/1/1997	Flood	
	LaRue	Zone	3/1/1997	Flood	
	LaRue	COUNTYWIDE	3/1/1997	Flash Flood	
2	LaRue	COUNTYWIDE	3/20/2002	Flash Flood	Widespread flooding was reported with numerous small streams and creeks out of their banks and some roads were closed. Highway 470 was flooded. Phillips Lane was flooded.
3	LaRue	ATHERTONVILLE	9/3/2003	Flash Flood	The Rolling Fork River was out of its banks and approaching the doors of some homes.
4	LaRue	Zone	3/29/2005	Flood	
5	LaRue	TONIEVILLE	1/10/2008	Flash Flood	Water covered the intersection of Commerce Parkway and the Lincoln Parkway.
6	LaRue	TONIEVILLE	4/4/2008	Flash Flood	Numerous roads in the county were closed due to high water.
7	LaRue	GATTON	5/2/2010	Flash Flood	Larue county dispatch reported flash flooding affecting Highways 61 and 470 in southeastern Larue county near the towns of Buffalo and Mount Sherman.
8	LaRue	TANNER	4/17/2013	Flash Flood	The public reported water flowing over Cruse Road, located 1 mile north of Maxine. Nearby, at around the same time, a spotter reported water flowing over Parker Grove Road. An unofficial report from the public mentioned that around 5 inches of rain fall within a 2 hour period over an isolated location near Magnolia.
10	LaRue	KEMP	4/3/2014	Flood	State Highway 222 was briefly closed by high water ¹¹ as the Nolin River overflowed its banks.
11	LaRue	BARREN RUN	8/5/2015	Flood	An off-duty NWS employee reported water flowing over US 31W, but the road remained passable.
12	LaRue	BUFFALO	2/23/2019	Flash Flood	Hall Gaddie was closed due to high water.
13	LaRue	BUFFALO	7/5/2020	Flood	There were multiple reports of flooded roadways across Larue County. One road was Brooks Road near Buffalo.
14	LaRue	BARREN RUN	7/17/2020	Flash Flood	There were several feet of water running over a low water crossing on Airline Road over Chestnut Fork.
	LaRue	BROOKS	7/17/2020	Flash Flood	Water was flowing over Upton Road at Bacon Creek.
	LaRue	MAXINE	7/17/2020	Flash Flood	Water was flowing over Parkers Grove Road.
	LaRue	TANNER	7/17/2020	Flash Flood	Fast moving water was flowing over Hawkins Road at Dye Creek.
15	LaRue	GINSENG	8/14/2021	Flash Flood	Wayne Ennis Road was closed due to high water.
	LaRue	JERICHO	8/14/2021	Flash Flood	Herbert Howell Road was closed due to high water.
	LaRue	TANNER	8/14/2021	Flash Flood	Tanner Road was closed due to water over the roadway.
16	LaRue	TANNER	3/6/2022	Flash Flood	Hawkins Roads was closed due to flood waters from Walters Creek flowing over it.

¹¹ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Hodgenville Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	LaRue	Hodgenville	5/8/2009	Flash Flood	0	0	\$ -	\$ -	0	0
2	LaRue	Hodgenville	4/12/2011	Flood	0	0	\$ -	\$ -	0	0
3	LaRue	Hodgenville	3/4/2015	Flood	0	0	\$ -	\$ -	0	0
4	LaRue	Hodgenville	7/3/2015	Flash Flood	0	0	\$ -	\$ -	0	0
	LaRue	Hodgenville	7/3/2015	Flash Flood	0	0	\$ -	\$ -	0	0
5	LaRue	Hodgenville	2/24/2019	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Hodgenville Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	LaRue	Hodgenville	5/8/2009	Flash Flood	Sections of HWY 222 were closed due to high water ¹² between Hodgenville and Glendale.
2	LaRue	Hodgenville	4/12/2011	Flood	A few roads in the county were closed due to flood waters.
3	LaRue	Hodgenville	3/4/2015	Flood	Up to 10 inches of water flowed over State Highway 222 near Hodgenville.
4	LaRue	Hodgenville	7/3/2015	Flash Flood	A law enforcement official reported that Lincoln Highway had high water over it in places.
	LaRue	Hodgenville	7/3/2015	Flash Flood	A law enforcement official reported that West Main street was closed due to high water.
5	LaRue	Hodgenville	2/24/2019	Flash Flood	Phillips Lane in Hodgenville and Highway 222 were underwater.

¹² "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

Marion County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Marion	COUNTYWIDE	7/19/1996	Flash Flood	0	0	\$ -	\$ -	0	0
2	Marion	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
	Marion	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
	Marion	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
3	Marion	CALVARY	5/31/1998	Flash Flood	0	0	\$ -	\$ -	0	0
	Marion	JESSIETOWN	5/31/1998	Flash Flood	0	0	\$ -	\$ -	0	0
	Marion	NEW MARKET	5/31/1998	Flash Flood	0	0	\$ -	\$ -	0	0
4	Marion	COUNTYWIDE	3/20/2002	Flash Flood	0	0	\$ -	\$ -	0	0
5	Marion	CALVARY	9/21/2009	Flash Flood	0	0	\$ -	\$ -	0	0
	Marion	PENICKS	9/21/2009	Flash Flood	0	0	\$ -	\$ -	0	0
6	Marion	CALVARY	11/28/2011	Flood	0	0	\$ -	\$ -	0	0
7	Marion	BELLTOWN	3/4/2015	Flood	0	0	\$ -	\$ -	0	0
8	Marion	NEW MARKET	7/19/2015	Flash Flood	0	0	\$ -	\$ -	0	0
9	Marion	NURKES SPG	5/31/2018	Flash Flood	0	0	\$ -	\$ -	0	0
10	Marion	GRAVEL SWITCH	6/26/2018	Flood	0	0	\$ -	\$ -	0	0
	Marion	PHILLIPSBURG	6/26/2018	Flood	0	0	\$ -	\$ -	0	0
	Marion	RILEY	6/26/2018	Flood	0	0	\$ -	\$ -	0	0
11	Marion	DANTS	11/30/2019	Flash Flood	0	0	\$ -	\$ -	0	0
12	Marion	RILEY	6/29/2020	Flash Flood	0	0	\$ 50,000.00	\$ -	0	0
	Marion	RILEY	6/29/2020	Flash Flood	0	0	\$ 10,000.00	\$ -	0	0
13	Marion	ST MARY	7/16/2021	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ 60,000.00	\$ -	0	0

Marion County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Marion	COUNTYWIDE	7/19/1996	Flash Flood	
2	Marion	COUNTYWIDE	3/1/1997	Flash Flood	
	Marion	Zone	3/1/1997	Flood	
	Marion	Zone	3/1/1997	Flood	
3	Marion	CALVARY	5/31/1998	Flash Flood	
	Marion	JESSIETOWN	5/31/1998	Flash Flood	
	Marion	NEW MARKET	5/31/1998	Flash Flood	
4	Marion	COUNTYWIDE	3/20/2002	Flash Flood	Widespread flooding was reported with numerous small streams and creeks out of their banks and some roads were closed.
5	Marion	CALVARY	9/21/2009	Flash Flood	Indian Lick Creek was overflowing its banks, causing Lovers Lane to be closed.
	Marion	PENICKS	9/21/2009	Flash Flood	Swiftly flowing water was moving across a bridge on Shortline Pike just north of HWY 52 near Lebanon. A woman's car was almost swept away, but she was rescued and the road was closed.
6	Marion	CALVARY	11/28/2011	Flood	Lover's Lane just south of Lebanon was closed due to high water.
7	Marion	BELLTOWN	3/4/2015	Flood	Lover's Lane was closed due to high water ¹³ between State Highways 68 and 208.
8	Marion	NEW MARKET	7/19/2015	Flash Flood	The Marion County 911 call center reported high water flowing over Lovers Lane.
9	Marion	NURKES SPG	5/31/2018	Flash Flood	High water closed a section of Saint Rose Road.
10	Marion	GRAVEL SWITCH	6/26/2018	Flood	There was water over the intersection of Highway 337 and Highway 243.
	Marion	PHILLIPSBURG	6/26/2018	Flood	There was water over Calvary Road.
	Marion	RILEY	6/26/2018	Flood	Flooding was reported on Buffalo Road in Marion County.
11	Marion	DANTS	11/30/2019	Flash Flood	Water was running over parts of Highway 52 near Loretta. There were other road closures around the county due to water over roadways.
12	Marion	RILEY	6/29/2020	Flash Flood	There were multiple roads closed due to high water, mainly over the southern half of the county. There were also three vehicle rescues and some homes evacuated.
	Marion	RILEY	6/29/2020	Flash Flood	There was water in one home, and a private bridge to get to other houses was under water on Rush Branch Road.
13	Marion	ST MARY	7/16/2021	Flash Flood	Highway 49 near Arthur Mattingly Road was impassable due to high water.

¹³ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Bradfordsville Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Marion	Bradfordsville	12/25/2015	Flood	0	0	\$ -	\$ -	0	0
2	Marion	Bradfordsville	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	Marion	Bradfordsville	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
TOTALS:					0	0	\$ -	\$ -	0	0

City of Bradfordsville Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Marion	Bradfordsville	12/25/2015	Flood	The Bradfordsville mayor reported to the NWS that heavy and excessive rainfall caused several roads to go under water.
2	Marion	Bradfordsville	6/29/2020	Flash Flood	There were several roads closed in the Bradfordsville area due to high water ¹⁴ .
	Marion	Bradfordsville	6/29/2020	Flash Flood	There was water over the roadway and in a home on White Oak Creek Road.

¹⁴ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Lebanon Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Marion	Lebanon	8/4/2003	Flash Flood	0	0	\$ 5,000.00	\$ -	0	0
2	Marion	Lebanon	5/25/2006	Flash Flood	0	0	\$ -	\$ -	0	0
3	Marion	Lebanon	5/8/2009	Flash Flood	0	0	\$ -	\$ -	0	0
4	Marion	Lebanon	6/17/2013	Flash Flood	0	0	\$ 20,000.00	\$ -	0	0
5	Marion	Lebanon	8/11/2014	Flood	0	0	\$ 50,000.00	\$ -	0	0
6	Marion	Lebanon	5/31/2018	Flash Flood	0	0	\$ -	\$ -	0	0
	Marion	Lebanon	5/31/2018	Flash Flood	0	0	\$ -	\$ -	0	0
	Marion	Lebanon	5/31/2018	Flash Flood	0	0	\$ -	\$ -	0	0
TOTALS:					0	0	\$ 75,000.00	\$ -	0	0

City of Lebanon Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Marion	Lebanon	8/4/2003	Flash Flood	Flowing water covered several roads around the county. A vehicle was stranded by water along McElroy Pike.
2	Marion	Lebanon	5/25/2006	Flash Flood	Water covered U.S. Highway 68 just east of Lebanon. Water also covered Loretto Road.
3	Marion	Lebanon	5/8/2009	Flash Flood	Numerous roads were closed including State HWY 49 and 84 in Lebanon. The Marion County Emergency Manager also reported several county roads were covered by water and debris and that up to two feet of water covered some roads in Lebanon.
4	Marion	Lebanon	6/17/2013	Flash Flood	The Marion County emergency manager reported street flooding on several locations around the county. In Lebanon, up to 2 feet of water flooded several intersections. Water entered several businesses and blocked a few intersections.
5	Marion	Lebanon	8/11/2014	Flood	The Lebanon police reported water covering main street with some businesses flooded.
6	Marion	Lebanon	5/31/2018	Flash Flood	High water ¹⁵ closed Horan Lane.
	Marion	Lebanon	5/31/2018	Flash Flood	High water caused Shortline Pike near Highway 68 to close.
	Marion	Lebanon	5/31/2018	Flash Flood	The public reported, using mPing, that a river or creek was overflowing.

¹⁵ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Loretto Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Marion	Loretto	6/17/2003	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Loretto Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Marion	Loretto	6/17/2003	Flash Flood	Near Loretto, three mobile homes were washed into a nearby creek. Five people were rescued, one with injuries. A bridge was washed ¹⁶ out at Wimsatt Road.

City of Raywick Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Marion	Raywick	5/2/2010	Flash Flood	0	0	\$ 2,000.00	\$ -	0	0
		TOTALS:			0	0	\$ 2,000.00	\$ -	0	0

City of Raywick Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Marion	Raywick	5/2/2010	Flash Flood	Heavy rainfall caused water to flow over ¹⁷ a bridge on St. Francis Highway near Raywick. Debris from the water also blocked the roadway.

¹⁶ “High water” (or a variation of “water covering the roads” or “washed out”) is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth. In case, this citation does not satisfy “extent,” look to the City of Lebanon and its citation of (an implied) two feet or more covering Loretto Road on May 25, 2006. The Cities of Lebanon and Loretto are within 10 miles of each other and Loretto Road connects the two cities.

¹⁷ “High water” (or a variation of “water covering the roads” or “water flowing over”) is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth. In case this does not satisfy “extent,” note that the City of Raywick lies within 10 miles of the City of Lebanon and within 6 miles of the City of Loretto. Lebanon’s or Loretto’s extent is assumed to apply to Raywick.

Meade County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Meade	Zone	1/22/1996	Flood	0	0	\$ -	\$ -	0	0
2	Meade	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Meade	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Meade	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
3	Meade	Zone	3/2/1997	Flood	0	0	\$ 1,200,000.00	\$ -	0	0
4	Meade	COUNTYWIDE	6/21/1998	Flash Flood	0	0	\$ -	\$ -	0	0
5	Meade	COUNTYWIDE	1/22/1999	Flash Flood	0	0	\$ -	\$ -	0	0
6	Meade	COUNTYWIDE	1/24/2002	Flash Flood	0	0	\$ -	\$ -	0	0
7	Meade	COUNTYWIDE	9/27/2002	Flash Flood	0	0	\$ -	\$ -	0	0
8	Meade	HILLGROVE	3/18/2008	Flash Flood	0	0	\$ -	\$ -	0	0
9	Meade	HAYSVILLE	5/2/2010	Flash Flood	0	0	\$ -	\$ -	0	0
10	Meade	FLAHERTY	7/12/2011	Flash Flood	0	0	\$ -	\$ -	0	0
11	Meade	BUCK GROVE	7/27/2014	Flood	0	0	\$ -	\$ -	0	0
	Meade	MIDWAY	7/27/2014	Flash Flood	0	0	\$ -	\$ 20,000.00	0	0
12	Meade	HAYSVILLE	4/3/2015	Flash Flood	0	0	\$ -	\$ -	0	0
13	Meade	CONCORDIA	2/23/2018	Flood	0	0	\$ -	\$ -	0	0
14	Meade	WOLF CREEK	2/25/2018	Flood	0	0	\$ -	\$ -	0	0
15	Meade	HAYSVILLE	2/20/2019	Flood	0	0	\$ -	\$ -	0	0
16	Meade	GUSTON	11/30/2019	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ 1,200,000.00	\$ 20,000.00	0	0

Meade County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Meade	Zone	1/22/1996	Flood	
2	Meade	Zone	3/1/1997	Flood	
	Meade	COUNTYWIDE	3/1/1997	Flash Flood	
	Meade	COUNTYWIDE	3/1/1997	Flash Flood	
3	Meade	Zone	3/2/1997	Flood	
4	Meade	COUNTYWIDE	6/21/1998	Flash Flood	State police reported water covering highway 448.
5	Meade	COUNTYWIDE	1/22/1999	Flash Flood	
6	Meade	COUNTYWIDE	1/24/2002	Flash Flood	Flood waters closed roads countywide.
7	Meade	COUNTYWIDE	9/27/2002	Flash Flood	
8	Meade	HILLGROVE	3/18/2008	Flash Flood	Scott Hill Road was closed due to high water ¹⁸ . Knob Road and Pine Ridge Road near Battletown were closed due to high water. Some roads near Rhodelia were covered with water.
9	Meade	HAYSVILLE	5/2/2010	Flash Flood	Kentucky 261 at mile marker 1 was closed due to high water.
10	Meade	FLAHERTY	7/12/2011	Flash Flood	Water flooded State Highway 144 just to the south of Flaherty.
11	Meade	BUCK GROVE	7/27/2014	Flood	Buck Grove Road became briefly impassable due to high water.
	Meade	MIDWAY	7/27/2014	Flash Flood	A second round of thunderstorms within a 5 hour period brought flash flooding to an area just southwest of Brandenburg. A man was rescued by small boat from his home near the intersection of State Highways 79 and 1239. Five feet of water had entered his home.
12	Meade	HAYSVILLE	4/3/2015	Flash Flood	Emergency manager reported KY 823 from mile points 0 to 1 were closed due to high water. Between 3 and 4 inches of rain fell across the county.
13	Meade	CONCORDIA	2/23/2018	Flood	Local media reported high water and flooding on Kieth Road.
14	Meade	WOLF CREEK	2/25/2018	Flood	KY 823 between mile post 0 and 1, KY 230 between mile post 1-2, and KY 228 between mile post 3-4 all closed due to flooding.
15	Meade	HAYSVILLE	2/20/2019	Flood	High water closed Kentucky 261 between mile markers 15 and 16.
16	Meade	GUSTON	11/30/2019	Flash Flood	Water was flowing over Streamtown Road, Highway 941.

¹⁸ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Brandenburg Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Meade	Brandenburg	1/3/2000	Flash Flood	0	0	\$ -	\$ -	0	0
2	Meade	Brandenburg	12/19/2002	Flash Flood	0	0	\$ -	\$ -	0	0
3	Meade	Brandenburg	7/21/2006	Flash Flood	0	0	\$ -	\$ -	0	0
4	Meade	Brandenburg	12/15/2007	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Brandenburg Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Meade	Brandenburg	1/3/2000	Flash Flood	Several roads flooded
2	Meade	Brandenburg	12/19/2002	Flash Flood	Highway 448 was covered by water.
3	Meade	Brandenburg	7/21/2006	Flash Flood	Water was over roadways.
4	Meade	Brandenburg	12/15/2007	Flood	An intersection was closed due to high water.

City of Ekron Flooding/Flash-Flooding Events, Types, Locations, Impacts, Extent, 1996-2022

The National Centers for Environmental Information (NCEI) Storm Events Database and the National Weather Service recorded between 1996 and 2022 zero (0) flooding or flash-flooding events specifically for the City of Ekron.

Regarding extent and impacts, the City of Ekron lies within six (6) miles of the City of Brandenburg. So, the event citations and their subsequent extent and impacts in the City of Brandenburg is assumed to apply to the City of Ekron.

City of Muldraugh Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Meade	Muldraugh	2/23/2018	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			<i>0</i>	<i>0</i>	<i>\$ -</i>	<i>\$ -</i>	<i>0</i>	<i>0</i>

City of Muldraugh Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Meade	Muldraugh	2/23/2018	Flood	Local media reported portions of North Thompson Lane had high water ¹⁹ over it and was flooded.

¹⁹ “High water” (or a variation of “water covering the roads”) is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

Nelson County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Nelson	Zone	1/25/1996	Flood	0	0	\$ -	\$ -	0	0
2	Nelson	Zone	3/8/1996	Flood	0	0	\$ -	\$ -	0	0
3	Nelson	Zone	5/28/1996	Flood	0	0	\$ -	\$ -	0	0
4	Nelson	Zone	12/18/1996	Flood	0	0	\$ -	\$ -	0	0
5	Nelson	Zone	2/5/1997	Flood	0	0	\$ -	\$ -	0	0
6	Nelson	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Nelson	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Nelson	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
	Nelson	Zone	3/1/1997	Flood	0	0	\$ 1,500,000.00	\$ -	0	0
7	Nelson	Zone	3/20/1997	Flood	0	0	\$ -	\$ -	0	0
8	Nelson	Zone	6/3/1997	Flood	0	0	\$ -	\$ -	0	0
9	Nelson	Zone	6/9/1997	Flood	0	0	\$ -	\$ -	0	0
10	Nelson	Zone	6/16/1997	Flood	0	0	\$ -	\$ -	0	0
11	Nelson	Zone	1/9/1998	Flood	0	0	\$ -	\$ -	0	0
12	Nelson	Zone	2/12/1998	Flood	0	0	\$ -	\$ -	0	0
13	Nelson	Zone	4/17/1998	Flood	0	0	\$ -	\$ -	0	0
14	Nelson	Zone	2/19/2000	Flood	0	0	\$ -	\$ -	0	0
15	Nelson	Zone	12/18/2000	Flood	0	0	\$ -	\$ -	0	0
16	Nelson	Zone	3/20/2002	Flood	0	0	\$ -	\$ -	0	0
17	Nelson	Zone	10/12/2002	Flood	0	0	\$ -	\$ -	0	0
18	Nelson	Zone	2/17/2003	Flood	0	0	\$ 20,000.00	\$ -	0	0
19	Nelson	Zone	2/24/2003	Flood	0	0	\$ -	\$ -	0	0
20	Nelson	CHAPLIN	5/5/2003	Flash Flood	0	0	\$ -	\$ -	0	0
21	Nelson	Zone	5/6/2003	Flood	0	0	\$ -	\$ -	0	0
22	Nelson	Zone	9/4/2003	Flood	0	0	\$ -	\$ -	0	0
23	Nelson	Zone	1/3/2004	Flood	0	0	\$ -	\$ -	0	0
24	Nelson	Zone	5/28/2004	Flood	0	0	\$ -	\$ -	0	0
25	Nelson	Zone	6/1/2004	Flood	0	0	\$ -	\$ -	0	0
26	Nelson	Zone	1/9/2005	Flood	0	0	\$ -	\$ -	0	0
27	Nelson	Zone	3/29/2005	Flood	0	0	\$ -	\$ -	0	0
28	Nelson	BOSTON	1/24/2006	Flood	0	0	\$ -	\$ -	0	0

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
29	Nelson	BOSTON	3/14/2006	Flood	0	0	\$ -	\$ -	0	0
30	Nelson	COUNTYWIDE	9/22/2006	Flash Flood	0	0	\$ 75,000.00	\$ -	0	0
31	Nelson	BOSTON	9/23/2006	Flood	0	0	\$ -	\$ -	0	0
32	Nelson	BOSTON	12/11/2007	Flood	0	0	\$ -	\$ -	0	0
33	Nelson	EARLY TIMES	1/10/2008	Flash Flood	0	0	\$ -	\$ -	0	0
34	Nelson	BOSTON	3/5/2008	Flood	0	0	\$ -	\$ -	0	0
35	Nelson	BOSTON	3/20/2008	Flood	0	0	\$ -	\$ -	0	0
36	Nelson	BOSTON	4/4/2008	Flash Flood	0	0	\$ -	\$ -	0	0
	Nelson	BOSTON	4/4/2008	Flood	0	0	\$ 100,000.00	\$ -	0	0
37	Nelson	BOSTON	5/2/2010	Flood	0	0	\$ 750,000.00	\$ -	0	0
38	Nelson	BOSTON	3/1/2011	Flood	0	0	\$ -	\$ -	0	0
39	Nelson	BOSTON	3/10/2011	Flood	0	0	\$ -	\$ -	0	0
40	Nelson	BOSTON	4/12/2011	Flood	0	0	\$ -	\$ -	0	0
41	Nelson	BOSTON	4/24/2011	Flood	0	0	\$ -	\$ -	0	0
42	Nelson	BOSTON	5/1/2011	Flood	0	0	\$ -	\$ -	0	0
43	Nelson	BOSTON	5/3/2011	Flood	0	0	\$ -	\$ -	0	0
44	Nelson	BOSTON	11/29/2011	Flood	0	0	\$ -	\$ -	0	0
	Nelson	CULVERTOWN	11/29/2011	Flood	1	0	\$ 15,000.00	\$ -	0	0
45	Nelson	BOSTON	12/1/2011	Flood	0	0	\$ -	\$ -	0	0
46	Nelson	BOSTON	12/7/2011	Flood	0	0	\$ -	\$ -	0	0
47	Nelson	BOSTON	1/15/2013	Flood	0	0	\$ -	\$ -	0	0
48	Nelson	BOSTON	3/20/2013	Flood	0	0	\$ -	\$ -	0	0
49	Nelson	BOSTON	7/6/2013	Flood	0	0	\$ -	\$ -	0	0
50	Nelson	GETHSEMANE	12/21/2013	Flood	3	2	\$ 15,000.00	\$ -	0	0
51	Nelson	BOSTON	4/5/2014	Flood	0	0	\$ -	\$ -	0	0
52	Nelson	BOSTON	4/30/2014	Flood	0	0	\$ -	\$ -	0	0

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
53	Nelson	BOSTON	3/5/2015	Flood	0	0	\$ -	\$ -	0	0
54	Nelson	BOSTON	3/10/2015	Flood	0	0	\$ -	\$ -	0	0
55	Nelson	BOSTON	3/14/2015	Flood	0	0	\$ -	\$ -	0	0
56	Nelson	BOSTON	4/4/2015	Flood	0	0	\$ -	\$ -	0	0
57	Nelson	BOSTON	4/15/2015	Flood	0	0	\$ -	\$ -	0	0
58	Nelson	BOSTON	7/14/2015	Flood	0	0	\$ -	\$ -	0	0
59	Nelson	BOSTON	12/24/2015	Flood	0	0	\$ -	\$ -	0	0
60	Nelson	HIGHGROVE	2/3/2016	Flash Flood	0	0	\$ -	\$ -	0	0
61	Nelson	COXS CREEK	6/23/2017	Flash Flood	0	0	\$ -	\$ -	0	0
62	Nelson	WOODLAWN	2/22/2018	Flood	0	0	\$ -	\$ -	0	0
63	Nelson	NELSONVILLE	2/25/2018	Flood	0	0	\$ -	\$ -	0	0
64	Nelson	COXS CREEK	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
65	Nelson	EARLY TIMES	9/15/2021	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			4	2	\$ 2,475,000.00	\$ -	0	0

Nelson County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Nelson	Zone	1/25/1996	Flood	A melting snowpack as well as heavy rainfall caused minor flooding along the Rolling Fork of the Salt River. The river crested at 37.6 feet, which is 2.6 feet above flood stage, on January 26 at 3 am est.
2	Nelson	Zone	3/8/1996	Flood	Minor flooding occurred at the Rolling Fork of the Salt River at Boston. The river crested at 35.1 feet at 7 am est on March 8, 1996 (flood stage 35.0 feet).
3	Nelson	Zone	5/28/1996	Flood	The Rolling Fork of the Salt River at Boston crested at 36.3 feet (flood stage is 35 feet) on May 29 at 0700 est.
4	Nelson	Zone	12/18/1996	Flood	The Rolling Fork River at Boston crested at 37.8 feet (flood stage 35 feet) at 4 am est on December 19.
5	Nelson	Zone	2/5/1997	Flood	Over 2 inches of rain on already saturated ground leading to minor flooding on the Rolling Fork of the Salt River at Boston. The river crested at 38.6 feet (flood stage is 35 feet) at 11 am est on February 6.
6	Nelson	Zone	3/1/1997	Flood	Widespread flooding and/or flash flooding resulted from 4 to 9 inches of rainfall in less than 24 hours. Numerous roads were water covered and closed across these counties. Many homes and businesses were effected. All of these counties were declared federal disaster areas eligible for financial aid.
	Nelson	Zone	3/1/1997	Flood	Record rainfall amounts from late evening Friday February 28 to the morning of Sunday March 2 lead to major flooding along the Salt River basin including the Rolling Fork. The Salt River at Sheperdsville reached the 32 foot flood stage just after 1 am est Sunday March 2 and crested at 40.9 feet at 1 pm est on Monday March 3. This was the worst flooding here since March 1964. The Rolling Fork at Boston reached the 35 foot flood stage at 11 pm est Saturday March 1 and crested at a record level of 53.2 feet at 1 pm est Monday March 3. This major flooding caused the most of the towns of Boston, Lebanon Junction and Sheperdsville to be underwater with water up to the rooftops in spots. Downtown Sheperdsville was 90 percent under water and forced 1,000 people to be evacuated by boat. New Haven was also mostly under water. The town of West Point in northern Hardin county was also buried under water to the roof tops in many spots due to the effects of both the Salt River and the Ohio River as West Point is located at the confluence of the Ohio and Salt Rivers. Damage estimates for Hardin county include flooding attributed to the Ohio River. All these towns were evacuated. All these counties were eligible for federal disaster aid. The damage includes the flooding and flash flooding of March 1 through March 2.
	Nelson	COUNTYWIDE	3/1/1997	Flash Flood	Widespread flash flooding across the county with numerous roads water covered. A bridge was washed out just north of the Salt River. Several county roads were closed.
	Nelson	COUNTYWIDE	3/1/1997	Flash Flood	1 to 2 inches of rain fell on top of 6 to 10 inch 24 hour totals resulting in widespread flash flooding causing many roads to be water covered and closed.
7	Nelson	Zone	3/20/1997	Flood	The Rolling Fork of the Salt River just exceeded its flood stage cresting at 35.1 feet (flood stage is 35 feet) at 1 pm est on March 21.
8	Nelson	Zone	6/3/1997	Flood	The Rolling Fork of the Salt River at Boston crested at 36.2 feet (flood stage is 35 feet) at 8 pm edt on June 3. This resulted in minor bottomland flooding.
9	Nelson	Zone	6/9/1997	Flood	The Rolling Fork of the Salt River at Boston crested at 36.9 feet (35 foot flood stage) at 13:30 est on June 10. Only minor agricultural bottomland flooding resulted.

Count	County	Location	Date	Type	Extent: Event Narrative
10	Nelson	Zone	6/16/1997	Flood	The Rolling Fork of the Salt River at Boston crested at 35.1 feet (flood stage is 35 feet) at 01:00 est on June 16. Only minor agricultural bottomland flooding resulted.
11	Nelson	Zone	1/9/1998	Flood	The Rolling Fork of the Salt River at Boston crested at 36.4 feet (flood stage is 35 feet) at 4 pm est on January 10. Some minor agricultural bottom flooding resulted.
12	Nelson	Zone	2/12/1998	Flood	
13	Nelson	Zone	4/17/1998	Flood	
14	Nelson	Zone	2/19/2000	Flood	
15	Nelson	Zone	12/18/2000	Flood	The Rolling Fork of the Salt River at Boston crested at 35.9 feet at 9 PM EST on December 18. Flood stage at this location is 35 feet.
16	Nelson	Zone	3/20/2002	Flood	The Rolling Fork of the Salt River at Boston crested at 43.7 feet on the evening of March 22. Flood stage at Boston is 35 feet. Moderate flooding occurs at this level. A few homes and trailers are flooded outside of Boston.
17	Nelson	Zone	10/12/2002	Flood	The Rolling Fork of the Salt River at Boston crested at 36.1 feet just before midnight on October 12. Flood stage at Boston is 35 feet. At this level, there is minor flooding of agricultural bottomland.
18	Nelson	Zone	2/17/2003	Flood	The Rolling Fork River at Boston crested at an estimated level of 43 and a half feet around 7 PM EST on February 17. Flood stage at Boston is 35 feet. Moderate flooding occurs at this level. A few homes and trailers outside of Boston are flooded.
19	Nelson	Zone	2/24/2003	Flood	
20	Nelson	CHAPLIN	5/5/2003	Flash Flood	Heavy rains along the Chaplin River basin caused minor flooding of low lying areas and county roads near the river.
21	Nelson	Zone	5/6/2003	Flood	
22	Nelson	Zone	9/4/2003	Flood	The Rolling Fork River at Boston crested at 38.8 feet at 5 AM EST on September 5. Flood stage at Boston is 35 feet. At the crest level, agricultural bottomland is flooded.
23	Nelson	Zone	1/3/2004	Flood	The Rolling Fork Salt River at Boston, Kentucky crested around 35.3 feet at 6 AM EST on January 4. Flood stage at Boston is 35 feet. Minor flooding occurs at this level. Agricultural bottomland is covered by water.
24	Nelson	Zone	5/28/2004	Flood	
25	Nelson	Zone	6/1/2004	Flood	
26	Nelson	Zone	1/9/2005	Flood	
27	Nelson	Zone	3/29/2005	Flood	
28	Nelson	BOSTON	1/24/2006	Flood	The Rolling Fork River at Boston crested at 36.2 feet in the pre dawn hours of January 25. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with agricultural bottomland covered with water.
29	Nelson	BOSTON	3/14/2006	Flood	The Rolling Fork River at Boston crested at 35.23 feet around 6 PM EST on March 14. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with agricultural bottomland covered with water.
30	Nelson	COUNTYWIDE	9/22/2006	Flash Flood	Rowan Creek near Bardstown went out of its banks. It started to wash away the foundation from a modular home, and a family of three had to be rescued by a Nelson County swift-water rescue team. A motorist was rescued on Murray's Run Road near the bridge across Cox's Creek. Her car stalled when she attempted to drive through high water. No injuries were reported in either rescue.

Count	County	Location	Date	Type	Extent: Event Narrative
31	Nelson	BOSTON	9/23/2006	Flood	The Rolling Fork River at Boston crested at 39.5 feet around 1245 PM EST on September 25. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with some agricultural bottomland covered with water.
32	Nelson	BOSTON	12/11/2007	Flood	The Rolling Fork River at Boston crested at 39.3 feet around 1700EST on December 12. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with some agricultural bottom land covered.
33	Nelson	EARLY TIMES	1/10/2008	Flash Flood	Pottershop road was closed due to high water.
34	Nelson	BOSTON	3/5/2008	Flood	The Rolling Fork River at Boston crested at 37.6 feet around 7 AM EST on March 6. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with some agricultural bottom land covered with water.
35	Nelson	BOSTON	3/20/2008	Flood	The Rolling Fork River at Boston crested at 41.2 feet around 345 PM EST on March 20. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with the moderate flood threshold at 42 feet. Water covers some low spots on county roads, and some homes in the flood plain are cut off.
36	Nelson	BOSTON	4/4/2008	Flash Flood	Heavy rains caused widespread flooding and numerous road closures around the county. A mud slide on highway 62 near Boston closed the road for ten hours.
	Nelson	BOSTON	4/4/2008	Flood	The Rolling Fork River at Boston crested at 43.6 feet around 930 AM EST on April 6. Flood stage at Boston is 35 feet. Moderate flooding occurs at this level, with a few homes and trailers flooded outside of Boston.
37	Nelson	BOSTON	5/2/2010	Flood	The Rolling Fork River at Boston crested around 50.7 feet at 730 PM EST on May 4. Flood stage at Boston is 35 feet. Major flooding occurs at this level, with water in businesses and homes in Boston and New Haven.
38	Nelson	BOSTON	3/1/2011	Flood	The Rolling Fork River at Boston crested around 38.1 feet at 230 PM EST on March 2. Flood stage at Boston is 35 feet. Minor flooding occurs at this level with agricultural bottom land flooded.
39	Nelson	BOSTON	3/10/2011	Flood	The Rolling Fork River at Boston crested around 36.2 feet at 345 AM EST on March 11. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with agricultural bottom land flooded.
40	Nelson	BOSTON	4/12/2011	Flood	The Rolling Fork River near Boston crested around 44.2 feet at 2 PM EST on April 14. Flood stage at Boston is 35 feet. Moderate flooding occurs at this level, with a few homes and trailers flooded outside of Boston.
41	Nelson	BOSTON	4/24/2011	Flood	The Rolling Fork River at Boston crested around 43.2 feet at 115 PM EST on April 26. Flood stage at Boston is 35 feet. Moderate flooding occurs at this level with a few homes and trailers outside the town of Boston flooded. The river was still above flood stage at the end of the month.
42	Nelson	BOSTON	5/1/2011	Flood	The Rolling Fork River near Boston had crested at 43.2 feet on April 26.
43	Nelson	BOSTON	5/3/2011	Flood	The Rolling Fork River near Boston crested around 44.3 feet at 10 AM EST on May 5. Flood stage at Boston is 35 feet. Moderate flooding occurs at this level, with a few homes and trailers outside of Boston flooded.
44	Nelson	BOSTON	11/29/2011	Flood	The Rolling Fork river at Boston went into flood early on the 29th. It crested in early December. Flood stage is 35 feet.
	Nelson	CULVERTOWN	11/29/2011	Flood	A man died during the evening of November 29th, when he drove his vehicle around a barricade and attempted to cross a flooded low spot in the road where Bull Run Creek crosses Kentucky State Highway 46. He lost control of his vehicle and hit another vehicle already disabled in the flood water, then drowned when his vehicle was washed off the road and submerged.
45	Nelson	BOSTON	12/1/2011	Flood	Minor flooding occurred on the Rolling Fork River at Boston the first two days in December. The river peaked 40.2 feet at 1 am on December 1st. Flood stage at Boston is 35 feet.

Count	County	Location	Date	Type	Extent: Event Narrative
46	Nelson	BOSTON	12/7/2011	Flood	The Rolling Fork River near Boston crested at 35.6 feet around 3 PM EST on December 7. Flood stage at Boston is 35 feet. Minor flooding occurs at this level with some agricultural bottom land flooded.
47	Nelson	BOSTON	1/15/2013	Flood	Heavy rain over several days ending on January 13th led to minor flooding on the Rolling Fork River at Boston. The river crested at 36.2 feet during the early evening of the 15th. Flood stage is 35 feet.
48	Nelson	BOSTON	3/20/2013	Flood	Heavy rains on March 18th brought the Rolling Fork River at Boston barely in flood. Flood stage at Boston is 35 feet. The river crested at 35.9 feet around noon on March 20th.
49	Nelson	BOSTON	7/6/2013	Flood	Heavy rains from July 4th through the 6th led to moderate flooding on the Rolling Fork River at Boston. The river crested at 42.2 feet during the late afternoon on July 8th. Flood stage is 35 feet.
50	Nelson	GETHSEMANE	12/21/2013	Flood	The Nelson County emergency manager confirmed that 3 out of 5 occupants of an SUV died after it ran into water covering a low water crossing on Dee Head Road, which is located around 2 miles southeast of New Haven. Two people were rescued, but 3 drowned within the SUV. Heavy rain throughout the day on the 21st caused rapid rises in area creeks and streams. The vehicle was washed away at this crossing at around 3 am local time on the 22nd of December.
51	Nelson	BOSTON	4/5/2014	Flood	Heavy rains April 3rd and 4th brought minor flooding to the Rolling Fork River at Boston. Flood stage at Boston is 35 feet. The river crested at 36.7 feet just after midnight on the 6th of April.
52	Nelson	BOSTON	4/30/2014	Flood	The Rolling Fork River at Boston began to flood around noon on April 30th. It reached a peak stage of 35.6 feet during the mid-evening hours before falling below flood stage the morning of May 1st. Flood stage at Boston is 35 feet.

Count	County	Location	Date	Type	Extent: Event Narrative
53	Nelson	BOSTON	3/5/2015	Flood	Several inches of snow that melted as 1 to 2 inches of rain fell brought the Rolling Fork River at Boston above flood stage. The river crested at 41.64 feet during the evening of March 6th. The river fell below flood stage during the early morning hours of March 8th.
54	Nelson	BOSTON	3/10/2015	Flood	Heavy rain falling on top of already saturated ground pushed the Rolling Fork River at Boston above flood stage. The river crested at 39.12 feet during the morning of March 12th and then fell below flood stage in the morning hours of March 13th.
55	Nelson	BOSTON	3/14/2015	Flood	Heavy rainfall pushed the river level on the Rolling Fork River near Boston above flood stage. The river crested at 38.83 feet on March 15th.
56	Nelson	BOSTON	4/4/2015	Flood	Heavy rain brought the Rolling Fork River at Boston into flood. The river crested at 40.42 feet on the afternoon of April 5th.
57	Nelson	BOSTON	4/15/2015	Flood	Between 1 and 3 inches of rain fell on top of already saturated ground and pushed the Rolling Fork River at Boston above flood stage. The river crested at 40.11 feet on April 16th.
58	Nelson	BOSTON	7/14/2015	Flood	Repeated rounds of severe thunderstorms that brought several inches of rain across the region resulted in significant rises on the Rolling Fork River near Boston. The river crested at 38.85 feet during the morning of July 16th, 3.85 feet above flood stage. The river then dropped below flood stage during the morning hours July 17th.
59	Nelson	BOSTON	12/24/2015	Flood	Several heavy rain events during late December brought widespread 3 to 5 inch rainfall totals to the area. This resulted in the Rolling Fork River near Boston to go into minor flood. The river crested at 39.27 feet, 4.27 feet above its flood stage, late on December 27th.
60	Nelson	HIGHGROVE	2/3/2016	Flash Flood	A Nelson County law enforcement official received a request for a high water rescue on Whiteside Road due to rising waters from heavy rain.
61	Nelson	COXS CREEK	6/23/2017	Flash Flood	Local media reported high water flowing over Murray Run Road.
62	Nelson	WOODLAWN	2/22/2018	Flood	Significant flooding occurred on portions of Highway 62 and 162 west of Bloomfield. Schools operated on a 2 hour delay until flood waters could recede.
63	Nelson	NELSONVILLE	2/25/2018	Flood	Exit 10 on Bluegrass Parkway have high water signs for entrance and exit ramps. High water and flooding also observed on KY 733 near mile post 3 and 12.
64	Nelson	COXS CREEK	6/29/2020	Flash Flood	There was a water rescue on Murray Run Road.
65	Nelson	EARLY TIMES	9/15/2021	Flash Flood	Caney Fork Road was impassable due to water over the roadway.

City of Bardstown Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Nelson	Bardstown	9/21/1998	Flood	0	0	\$ -	\$ -	0	0
2	Nelson	East Bardstown	1/10/2008	Flash Flood	0	0	\$ -	\$ -	0	0
3	Nelson	Bardstown	6/23/2017	Flash Flood	0	0	\$ -	\$ -	0	0
4	Nelson	Bardstown	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
5	Nelson	Bardstown	9/15/2021	Flash Flood	0	0	\$ -	\$ -	0	0
	Nelson	East Bardstown	9/15/2021	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Bardstown Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Nelson	Bardstown	9/21/1998	Flood	Heavy rain caused minor street flooding.
2	Nelson	East Bardstown	1/10/2008	Flash Flood	Highway 162 (Old Bloomfield Road) was flooded at Irish Ridge Road and closed. Plum Run Road at Wilkerson was closed due to high water ²⁰ .
3	Nelson	Bardstown	6/23/2017	Flash Flood	Officials reported multiple roads closed to high water including Boston Road and Bloomfield Road.
4	Nelson	Bardstown	6/29/2020	Flash Flood	There was a water rescue on Pottershop Road.
5	Nelson	Bardstown	9/15/2021	Flash Flood	Flash flooding was reported on Old Bloomfield Pike and North 3rd Street.
	Nelson	East Bardstown	9/15/2021	Flash Flood	There was a water rescue on North 3rd Street. The street was closed due to high water. Flood waters reached the front porch of a home on Andrea Court.

²⁰ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Bloomfield Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Nelson	Bloomfield	7/14/2015	Flash Flood	0	0	\$ -	\$ -	0	0
2	Nelson	Bloomfield	6/18/2017	Flash Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Bloomfield Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Nelson	Bloomfield	7/14/2015	Flash Flood	A broadcast media meteorologist relayed a report that high water ²¹ was flowing over KY 55.
2	Nelson	Bloomfield	6/18/2017	Flash Flood	Law enforcement reported that parts of Highway 62 south of Bloomfield became impassable due to flash flooding and was briefly closed.

City of Fairfield Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Nelson	Fairfield	11/1/2018	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of Fairfield Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Nelson	Fairfield	11/1/2018	Flood	Fairfield-Hudson Road was closed due to flooding.

²¹ "High water" (or a variation of "water covering the roads") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of New Haven Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Nelson	New Haven	2/15/2003	Flash Flood	0	0	\$ -	\$ -	0	0
2	Nelson	New Haven	2/8/2008	Flood	0	0	\$ -	\$ -	0	0
		TOTALS:			0	0	\$ -	\$ -	0	0

City of New Haven Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Nelson	New Haven	2/15/2003	Flash Flood	Some creeks and streams were out of their banks.
2	Nelson	New Haven	2/8/2008	Flood	The Rolling Fork River at Boston crested at 35.2 feet around 930 AM EST on February 8. Flood stage at Boston is 35 feet. Minor flooding occurs at this level, with agricultural bottom land covered.

Washington County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Washington	Zone	3/1/1997	Flood	0	0	\$ -	\$ -	0	0
	Washington	Zone	3/1/1997	Flood	0	0	\$ 600,000.00	\$ -	0	0
	Washington	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
	Washington	COUNTYWIDE	3/1/1997	Flash Flood	0	0	\$ -	\$ -	0	0
2	Washington	COUNTYWIDE	3/20/2002	Flash Flood	0	0	\$ -	\$ -	0	0
3	Washington	PULLIAM	5/5/2003	Flash Flood	0	0	\$ -	\$ -	0	0
4	Washington	COUNTYWIDE	6/17/2003	Flash Flood	0	0	\$ -	\$ -	0	0
5	Washington	TATHAM SPGS	7/6/2013	Flash Flood	0	0	\$ -	\$ -	0	0
6	Washington	CISSELVILLE	4/14/2015	Flood	0	0	\$ -	\$ -	0	0
7	Washington	VALLEY HILL	2/22/2018	Flood	0	0	\$ -	\$ -	0	0
8	Washington	BRIARTOWN	5/31/2018	Flash Flood	0	0	\$ -	\$ -	0	0
9	Washington	CISSELVILLE	6/26/2018	Flood	0	0	\$ -	\$ -	0	0
10	Washington	RINELTOWN	11/30/2019	Flash Flood	0	0	\$ -	\$ -	0	0
11	Washington	CROAKES	6/29/2020	Flash Flood	0	0	\$ 50,000.00	\$ -	0	0
	Washington	THOMPSONVILLE	6/29/2020	Flash Flood	0	0	\$ 60,000.00	\$ -	0	0
		TOTALS:			0	0	\$ 710,000.00	\$ -	0	0

Washington County, Unincorporated Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Washington	COUNTYWIDE	3/1/1997	Flash Flood	Widespread flash flooding with numerous roads under water.
	Washington	COUNTYWIDE	3/1/1997	Flash Flood	Over 2 inches of rain fell on top of 24 hour 3 to 7 inch totals resulting in widespread flash flooding with many roads water covered and closed.
	Washington	Zone	3/1/1997	Flood	Widespread flooding and/or flash flooding resulted from 4 to 9 inches of rainfall in less than 24 hours. Numerous roads were water covered and closed across these counties. Many homes and businesses were effected. All of these counties were declared federal disaster areas eligible for financial aid.
	Washington	Zone	3/1/1997	Flood	4 to 9 inches of rain fell in less than 24 hours causing widespread flooding and/or flash flooding resulting in numerous water covered and closed roads, evacuations and rescues. Most of these counties were declared disaster areas and given federal assistance. The exceptions were Clinton, Cumberland, Garrard, Green, Lincoln, Madison and Marion. Many homes and businesses were effected during the flooding and flash flooding. Damage amounts include flooding and flash flooding totals over the 2 day period.
2	Washington	COUNTYWIDE	3/20/2002	Flash Flood	Widespread flooding was reported with numerous small streams and creeks out of their banks and some roads were closed.
3	Washington	PULLIAM	5/5/2003	Flash Flood	Heavy rains over the Chaplin River basin caused flooding of low lying areas and county roads along and near the river. A school bus was trapped by rising waters, but all occupants were successfully rescued.
4	Washington	COUNTYWIDE	6/17/2003	Flash Flood	High water ²² covered several county roads.
5	Washington	TATHAM SPGS	7/6/2013	Flash Flood	Several roads were closed due to high water across Washington County, including State Highway 1039 4 miles southwest of Johnsonville.
6	Washington	CISSELVILLE	4/14/2015	Flood	A county official reported that due to high water from heavy rain, Booker and Jackson Branch roads were closed.
7	Washington	VALLEY HILL	2/22/2018	Flood	Numerous roads closed across county due to high water.
8	Washington	BRIARTOWN	5/31/2018	Flash Flood	There was high water over Booker Road southwest of Springfield.
9	Washington	CISSELVILLE	6/26/2018	Flood	Water was reported over the roadway at Saint Rose Road and Booker Road.
10	Washington	RINELTOWN	11/30/2019	Flash Flood	There were numerous county roads flooded and closed. One road was Tick Creek Road near Springfield, Kentucky.
11	Washington	CROAKES	6/29/2020	Flash Flood	Several homes had water damage near Fredericktown, and one vehicle was submerged.
	Washington	THOMPSONVILLE	6/29/2020	Flash Flood	Three homes were flooded on Mayes Creek Road.

²² "High water" (or a variation of "water covering the roads" or "roads under water") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Mackville Flooding/Flash-Flooding Events, Types, Locations, Impacts, Extent, 1996-2022

The National Centers for Environmental Information (NCEI) Storm Events Database and the National Weather Service recorded between 1996 and 2022 zero (0) flooding or flash-flooding events specifically for the City of Mackville.

Regarding extent and impacts, the City of Mackville is a city with a population of 203 people. The City of Mackville is located within 11 miles of the City of Springfield. Kentucky is one of 20 states where Census County Divisions (CCDs) are used for statistical tracking of subdivisions within each county. The City of Mackville is located within the Springfield Division of Washington County. So, the event citations and their subsequent extent and impacts for the City of Springfield is assumed to apply to the City of Mackville.

City of Springfield Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Washington	Springfield	6/2/1997	Flood	0	0	\$ -	\$ -	0	0
2	Washington	Springfield	5/2/2010	Flood	0	0	\$ 75,000.00	\$ -	0	0
3	Washington	Springfield	4/12/2011	Flash Flood	0	0	\$ -	\$ -	0	0
4	Washington	Springfield	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
TOTALS:					0	0	\$ 75,000.00	\$ -	0	0

City of Springfield Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Washington	Springfield	6/2/1997	Flood	Minor street flooding reported by police in Springfield.
2	Washington	Springfield	5/2/2010	Flood	Six to eight inches of rain across Spencer County May 1-2 led to areal flooding in spots across the county on the 2nd.
3	Washington	Springfield	4/12/2011	Flash Flood	The emergency manager reported about 7-8 total road closures throughout the entire county that were closed for approximately 3-4 hours due to flowing water.
4	Washington	Springfield	6/29/2020	Flash Flood	There were multiple reports of flooded roadways ²³ across the county including Lincoln Park Road and Highway 150 near Springfield.

²³ "High water" (or a variation of "water covering the roads" or "flooded roadways") is reported to the National Weather Service by local jurisdictions in the Lincoln Trail Area Development District region when water standing over the road is sufficiently deep to make driving unsafe. This is interpreted as two (2) feet or more of flooding depth.

City of Willisburg Flooding/Flash-Flooding Events, Types, Locations, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths (Direct)	Injuries (Direct)	Property Damage	Crop Damage	Injuries (Indirect)	Deaths (Indirect)
1	Washington	Willisburg	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	Washington	Willisburg	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	Washington	Willisburg	6/29/2020	Flash Flood	0	0	\$ -	\$ -	0	0
	Washington	Willisburg	6/29/2020	Flash Flood	1	1	\$ 30,000.00	\$ -	0	0
		TOTALS:			1	1	\$ 30,000.00	\$ -	0	0

City of Willisburg Flooding/Flash-Flooding Events, Types, Locations, Extent, 1996-2022

Count	County	Location	Date	Type	Extent: Event Narrative
1	Washington	Willisburg	6/29/2020	Flash Flood	A state highway department official stated that roads that don't normally flood where flooding across the northern part of the county.
	Washington	Willisburg	6/29/2020	Flash Flood	A road was impassable due to flash flooding.
	Washington	Willisburg	6/29/2020	Flash Flood	Water up to 10 feet deep was flowing over Lawrenceburg Road.
	Washington	Willisburg	6/29/2020	Flash Flood	A driver on Lawrenceburg Road noticed a white Ford Explorer that had washed off the road in flood waters. He then noticed an elderly man and woman were still in the vehicle with water up to their necks. Rescuers broke out windows on the vehicle and pulled the couple out just as it filled completely with flood water. Both were unconscious when they were pulled out; the woman was resuscitated at the scene, but her husband never regained consciousness and died later that afternoon after they were both transported to a local hospital.

Probability of Flooding/Flash-Flooding as a Function of Frequency

As a function of frequency of occurrence, the following parameters are set:

The data used systematically to identify flooding and flash-flooding events derives from the National Oceanic and Atmospheric Administration (NOAA) and its National Centers for Environmental Information (NCEI) Storm Events database that receives its data from the National Weather Service (NWS).

See the Storm Events Database details²⁴: With the exception of tornadoes and “severe storms” (i.e., tornadoes, “thunderstorm wind,” “high wind,” and/or hail), all event types from NWS Directive 10-1605 (that includes flooding and flash-flooding) are recorded from January 1, 1996 to present. At the time of this writing, “present” refers to December 31, 2022.

Consequently, the timeline used to discuss the probability of flooding and flash-flooding as a function of frequency (i.e., the denominator) will be:

- 27 years, or
- 324 months, or
- 9,861 days.

Regarding the numerator, it should be noted that flooding and flash-flooding events that occur on the same day are not counted twice. However, flooding and flash-flooding events occurring on the same day but in an incorporated city within the county are counted twice, i.e., once for the unincorporated county and once for each incorporated city. Flooding events are not separated from flash-flooding events.

Following is a table summarizing the number of flooding/flash-flooding events for each of the jurisdictions comprising the Lincoln Trail Area Development District:

²⁴ See: <https://www.ncdc.noaa.gov/stormevents/details.jsp>

Summary of Number of Flooding and Flash-Flooding Events Per Jurisdiction

<u>Jurisdiction</u>	<u>Number of Flooding Events</u>
Breckinridge County, Unincorporated	25
- <i>City of Cloverport</i>	2
- <i>City of Hardinsburg</i>	4
- <i>City of Irvington</i>	3
Grayson County, Unincorporated	18
- <i>City of Caneyville</i>	2
- <i>City of Clarkson</i>	4
- <i>City of Leitchfield</i>	5
Hardin County, Unincorporated	31
- <i>City of Elizabethtown</i>	14
- <i>City of Radcliff</i>	1
- <i>City of Sonora</i>	1
- <i>City of Upton</i>	0
- <i>City of Vine Grove</i>	4
- <i>City of West Point</i>	1
LaRue County, Unincorporated	16
- <i>City of Hodgenville</i>	5
Marion County, Unincorporated	13
- <i>City of Bradfordsville</i>	2
- <i>City of Lebanon</i>	6
- <i>City of Loretto</i>	1
- <i>City of Raywick</i>	1
Meade County, Unincorporated	16
- <i>City of Brandenburg</i>	4
- <i>City of Ekron</i>	0
- <i>City of Muldraugh</i>	1
Nelson County, Unincorporated	65
- <i>City of Bardstown</i>	5
- <i>City of Bloomfield</i>	2
- <i>City of Fairfield</i>	1
- <i>City of New Haven</i>	2
Washington County, Unincorporated	11
- <i>City of Mackville</i>	0
- <i>City of Springfield</i>	4
- <i>City of Willisburg</i>	1

Probability of Flooding and Flash-Flooding as Function of Frequency

Jurisdiction	# of Events	# of Months	# Events Per Month	Average One Event Every "x" Months ²⁵	Conversational Translation ²⁶
Breckinridge County, Uninc.	25	324	0.0771604938	12.96	1 Year and 1 Month
City of Cloverport	2	324	0.0061728395	162.00	13 Years and 6 Months
City of Hardinsburg	4	324	0.012345679	81.00	6 Years and 9 Months
City of Irvington	3	324	0.0092592593	108.00	9 Years
Grayson County, Uninc.	18	324	0.5555555556	18.00	1 Year and 6 Months
City of Caneyville	2	324	0.0061728395	162.00	13 Years and 6 Months
City of Clarkson	4	324	0.012345679	81.00	6 Years and 9 Months
City of Leitchfield	5	324	0.0154320988	64.80	5 Years and 5 Months
Hardin County, Uninc.	31	324	0.0956790123	10.45	10 Months and 14 Days
City of Elizabethtown	14	324	0.0432098765	23.14	1 Year and 11 Months
City of Radcliff	1	324	0.0030864198	324.00	27 Years
City of Sonora	1	324	0.0030864198	324.00	27 Years
City of Upton	0	324	0	N/A	0 Years
City of Vine Grove	4	324	0.012345679	81.00	6 Years and 9 Months
City of West Point	1	324	0.0030864198	324.00	27 Years
LaRue County, Uninc.	16	324	0.049382716	20.25	1 Year and 8 Months
City of Hodgenville	5	324	0.0154320988	64.80	5 Years and 5 Months
Marion County, Uninc.	13	324	0.0401234568	24.92	2 Years and 1 Month
City of Bradfordsville	2	324	0.0061728395	162.00	13 Years and 6 Months
City of Lebanon	6	324	0.0185185185	54.00	4 Years and 6 Months
City of Loretto	1	324	0.0030864198	324.00	27 Years
City of Raywick	1	324	0.0030864198	324.00	27 Years
Meade County, Uninc.	16	324	0.049382716	20.25	1 Year and 8 Months
City of Brandenburg	4	324	0.012345679	81.00	6 Years and 9 Months
City of Ekron	0	324	0	N/A	0 Years
City of Muldraugh	1	324	0.0030864198	324.00	27 Years
Nelson County, Uninc.	65	324	0.200617284	4.98	4 Months and 29 Days
City of Bardstown	5	324	0.0154320988	64.80	5 Years and 5 Months
City of Bloomfield	2	324	0.0061728395	162.00	13 Years and 6 Months
City of Fairfield	1	324	0.0030864198	324.00	27 Years
City of New Haven	2	324	0.0061728395	162.00	13 Years and 6 Months
Washington County, Uninc.	11	324	0.339506173	29.45	2 Years and 5 Months
City of Mackville	0	324	0	N/A	0 Years
City of Springfield	4	324	0.012345679	81.00	6 Years and 9 Months
City of Willisburg	1	324	0.0030864198	324.00	27 Years

²⁵ Calculated either by flipping the numerator and denominator, e.g., 324 months/25 events or by dividing one (1) by the number of events per month, e.g., [1/(25/324)].

²⁶ Calculated as follows:

- If the "average one event per 'x' months" exceeds 12 (i.e., one year), then divide the value by 12 months and multiply the resulting partial by 12 months.
- If the "average one event per 'x' months" is less than 12 (i.e., less than one year), then multiply the partial by 30 days.

Repetitive-Loss and Severe Repetitive-Loss Properties

There are two (2) sets of definitions for “Repetitive-Loss” (RL) and two (2) sets of definitions for “Severe Repetitive Loss” (SRL) used to identify the number of properties considered RL or SRL: The National Flood Insurance Program (NFIP) set of definitions for RL and SRL and the Flood Mitigation Assistance (FMA) set of definitions for RL and SRL.

National Flood Insurance Program (NFIP)

“Repetitive-Loss” is:

“An NFIP-insured structure that has had at least two (2) paid flood losses of more than \$1,000 each in any 10-year period since 1978.”

“Severe Repetitive-Loss” is:

“Any building that:

- Is covered under a Standard Flood Insurance Policy...
- Has incurred flood damage for which:
 - o Four (4) or more separate claim payments (including building and contents) have been made under a Standard Flood Insurance Policy..., with the amount of each such claim exceeding \$5,000, and with the cumulative amount of such claims payments exceeding \$20,000; or
 - o At least two (2) separate claims payments (building payments only) have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building.”

Flood Mitigation Assistance (FMA)

“Repetitive-Loss” is:

“Have incurred flood-related damage on two (2) occasions, in which the cost of the repair, on average, equaled or exceeded 25% of the market value of the structure at the time of each such flood event.”

“Severe Repetitive-Loss” is:

- “Four or more separate National Flood Insurance Program claims payments have been made with the amount of each claim exceeding \$5,000, and with the cumulative amount of claims payments exceeding \$20,000”; or
- “At least two (2) separate National Flood Insurance Program claim payments have been made with the cumulative amount of such claims exceeding the market value of the insured structure.”

Breckinridge County

Breckinridge County, Unincorporated

There are zero (0) RL and/or SRL properties total recorded for Breckinridge County, unincorporated.

City of Cloverport

There are zero (0) RL and/or SRL properties total recorded for the City of Cloverport.

City of Hardinsburg

There are zero (0) RL and/or SRL properties total recorded for the City of Hardinsburg.

City of Irvington

There are zero (0) RL and/or SRL properties total recorded for the City of Irvington

Grayson County

Grayson County, Unincorporated

There are zero (0) RL and/or SRL properties total recorded for Grayson County, unincorporated.

City of Caneyville

There are zero (0) RL and/or SRL properties total recorded for the City of Caneyville.

City of Clarkson

There are zero (0) RL and/or SRL properties total recorded for the City of Clarkson.

City of Leitchfield

There are zero (0) RL and/or SRL properties total recorded for the City of Leitchfield.

Hardin County

Hardin County, Unincorporated

There are 10 RL and/or SRL properties total recorded for Hardin County, unincorporated.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	10	3	1	1
2-4 Family	0	0	0	0
Other/Non-Residential	0	0	0	0
Business/Non-Residential	0	0	0	0
TOTALS:	10	3	1	1

City of Elizabethtown

There are seven (7) RL and/or SRL properties total recorded for the City of Elizabethtown.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	10	3	1	1
2-4 Family	0	0	0	0
Other/Non-Residential	0	0	0	0
Business/Non-Residential	0	0	0	0
TOTALS:	10	3	1	1

City of Radcliff

There is one (1) RL/SRL property total recorded for the City of Radcliff.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	0	0	0	0
2-4 Family	0	0	0	0
Other/Non-Residential	1	0	1	1
Business/Non-Residential	0	0	0	0
TOTALS:	1	0	1	1

City of Sonora

There are zero (0) RL and/or SRL properties total recorded for the City of Sonora.

City of Upton

There are zero (0) RL and/or SRL properties total recorded for the City of Upton.

City of Vine Grove

There are zero (0) RL and/or SRL properties total recorded for the City of Vine Grove.

City of West Point

There are 30 RL and/or SRL properties total recorded for the City of West Point.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	18	6	4	5
2-4 Family	1	0	0	0
Other/Non-Residential	1	0	0	0
Business/Non-Residential	0	0	0	0
TOTALS:	20	6	4	5

LaRue County

LaRue County, Unincorporated

There are zero (0) RL and/or SRL properties total recorded for LaRue County, unincorporated.

City of Hodgenville

There are zero (0) RL and/or SRL properties total recorded for the City of Hodgenville.

Marion County

Marion County, Unincorporated

There are zero (0) RL and/or SRL properties total recorded for the Marion County, unincorporated.

City of Bradfordsville

There are zero (0) RL and/or SRL properties total recorded for the City of Bradfordsville.

City of Lebanon

There are zero (0) RL and/or SRL properties total recorded for the City of Lebanon.

City of Loretto

There are zero (0) RL and/or SRL properties total recorded for the City of Loretto.

City of Raywick

There are zero (0) RL and/or SRL properties total recorded for the City of Raywick.

Meade County

Meade County, Unincorporated

There are zero (0) RL and/or SRL properties total recorded for Meade County, unincorporated.

City of Brandenburg

There are zero (0) RL and/or SRL properties total recorded for the City of Brandenburg.

City of Ekron

There are zero (0) RL and/or SRL properties total recorded for the City of Ekron.

City of Muldraugh

There are zero (0) RL and/or SRL properties total recorded for the City of Muldraugh.

Nelson County

Nelson County, Unincorporated

There are seven (7) RL and SRL properties total recorded for Nelson County, unincorporated. As a caveat, three (3) of the properties officially recorded are labeled as a “Not Repetitive-Loss Flag.” All three (3) of the “Not RL Flag” properties are “Single-Family” occupancy type.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	4	0	1	1
2-4 Family	0	0	0	0
Other/Non-Residential	1	0	0	0
Business/Non-Residential	0	0	0	0
TOTALS:	5	0	1	1

City of Bardstown

There is one (1) RL/SRL property total recorded for the City of Bardstown. As a caveat, this one (1) property officially recorded is labeled as a “Not Repetitive-Loss Flag.” The recorded property is a “Business/Non-Residential” occupancy type.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	0	0	0	0
2-4 Family	0	0	0	0
Other/Non-Residential	0	0	0	0
Business/Non-Residential	0	0	0	0
TOTALS:	0	0	0	0

City of Bloomfield

There are zero (0) RL and/or SRL properties total recorded for the City of Bloomfield.

City of Fairfield

There are zero (0) RL and/or SRL properties total recorded for the City of Fairfield.

City of New Haven

There is one (1) RL/SRL property total recorded for the City of New Haven.

Occupancy Type	NFIP RL Definition	FMA RL Definition	NFIP SRL Definition	FMA SRL Definition
Single-Family	0	0	0	0
2-4 Family	0	0	0	0
Other/Non-Residential	1	0	0	0
Business/Non-Residential	0	0	0	0
TOTALS:	1	0	0	0

Washington County

Washington County, Unincorporated

There are zero (0) RL and/or SRL properties total recorded for Washington County, unincorporated.

City of Mackville

There are zero (0) RL and/or SRL properties total recorded for the City of Mackville.

City of Springfield

There are zero (0) RL and/or SRL properties total recorded for the City of Springfield.

City of Willisburg

There are zero (0) RL and/or SRL properties total recorded for the City of Willisburg.

Severe Thunderstorms Risk Assessment Appendix

The data to satisfy the previous occurrence, location, type, extent, and impacts requirements of 44 CFR §201.6 for the severe thunderstorm hazard derives from the National Centers for Environmental Information (NCEI) and its Storm Events database. The Storm Events database is populated using National Weather Service (NWS) data collected from self-reports provided through a variety of means.

It is best-available data.

The National Weather Service defines a “severe thunderstorm” as an event with either winds above 50 knots (about 58 miles per hour), tornadic activity, and/or hail that is one-inch or more. There is a caveat to the “wind” criterion: If lower-speed winds cause damage, injury, or death, the lower-speed wind event is considered a “severe thunderstorm.”

For this multi-jurisdictional, multi-hazard mitigation plan, hail and tornadoes have been separated as their own independent hazards. So, this analysis relies upon the “Severe Thunderstorm” wind criterion. Winds above 50 knots and/or winds that produce damage are defined through the following variables reported by the NCEI Storm Events database:

- Thunderstorm Wind
- High Wind

The data spans 1955-2022 (i.e., the end of 2022). See the “Database Details” from the NCEI Storm Events database (<https://www.ncdc.noaa.gov/stormevents/details.jsp>):

“From 1955 through 1992, only tornado, thunderstorm wind and hail events were keyed from the paper publications into digital data. From 1993 to 1995, only tornado, thunderstorm wind and hail events have been extracted from the Unformatted Text Files...From 1996 to present, 48 event types are recorded as defined in [NWS Directive 10-1605](#).”

Breckinridge County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	Breckinridge		7/15/1970	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
2	Breckinridge		11/19/1970	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
3	Breckinridge		5/19/1971	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
4	Breckinridge		12/26/1973	Thunderstorm Wind	50	0	0	\$ -	\$ -	
5	Breckinridge		4/1/1974	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
6	Breckinridge		6/22/1974	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
7	Breckinridge		6/6/1979	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
8	Breckinridge		4/3/1982	Thunderstorm Wind	52	0	0	\$ -	\$ -	
9	Breckinridge		5/30/1982	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Breckinridge		5/30/1982	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
10	Breckinridge		6/8/1982	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
11	Breckinridge		7/17/1983	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
12	Breckinridge		3/15/1984	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
13	Breckinridge		4/30/1984	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
14	Breckinridge		4/5/1985	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
15	Breckinridge		5/14/1985	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
16	Breckinridge		6/2/1985	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
	Breckinridge		6/2/1985	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
17	Breckinridge		7/31/1986	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
18	Breckinridge		6/13/1987	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
19	Breckinridge		7/4/1987	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
20	Breckinridge		7/5/1987	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
21	Breckinridge		11/15/1989	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
22	Breckinridge		5/15/1990	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
23	Breckinridge		5/16/1990	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
24	Breckinridge		9/7/1990	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
25	Breckinridge		7/2/1992	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
26	Breckinridge		7/30/1992	Thunderstorm Wind	N/A	0	0	\$ -	\$ -	
27	Breckinridge	Hardinsburg	5/14/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Dispatch reports trees and power lines down across the county.
	Breckinridge	Irvington	5/14/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Winds in excess of 60 mph reported by HAM radio operator.
28	Breckinridge	Near Hardinsburg	5/25/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Sheriff reports power lines down.
29	Breckinridge	Hardinsburg	6/8/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Power lines blown down.
30	Breckinridge	COUNTYWIDE	5/5/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down across the county.
31	Breckinridge	HARDINSBURG	5/28/1996	Thunderstorm Wind	60	0	0	\$ 100,000.00	\$ -	A log cabin was destroyed, and several roofs were lifted off houses.
32	Breckinridge	HARDINSBURG	5/19/1997	Thunderstorm Wind	52	0	0	\$ -	\$ -	Dispatch reported trees down.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
33	Breckinridge	COUNTYWIDE	7/14/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down across various parts of the county.
34	Breckinridge	MC DANIELS	4/8/1998	Thunderstorm Wind	50	0	0	\$ 10,000.00	\$ -	DES reported part of a roof collapsed on a school. No one was injured.
35	Breckinridge	HARDINSBURG	5/24/1998	Thunderstorm Wind	50	0	0	\$ 2,000.00	\$ -	
36	Breckinridge	HARDINSBURG	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
37	Breckinridge	AMMONS	6/12/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
38	Breckinridge	HARDINSBURG	6/14/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
39	Breckinridge	CLOVERPORT	6/23/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	Dispatch reported trees down.
40	Breckinridge	HARDINSBURG	6/29/1998	Thunderstorm Wind	52	0	0	\$ -	\$ -	DES, spotters and state police reported trees and power lines down and isolated large hail with the passage of a squall line that moved southeast across central Kentucky. A roof was torn from a house in Hartford and fell on a barn destroying it.
41	Breckinridge	STEPHENSPOINT	5/5/1999	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power poles down
42	Breckinridge	HARDINSBURG	1/3/2000	Thunderstorm Wind	50	0	0	\$ 1,000.00	\$ -	Windows blown out of a house
	Breckinridge	COUNTYWIDE	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
43	Breckinridge	GARFIELD	2/13/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several power poles were down south of US Highway 60.
44	Breckinridge	AXTEL	5/13/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed at Axtel.
45	Breckinridge	HARDINSBURG	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	Numerous trees and power lines were reported down.
46	Breckinridge	HARDINSBURG	9/23/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds.
47	Breckinridge	FRYMIRE	10/24/2001	Thunderstorm Wind	50	0	0	\$ -	\$ -	There were numerous reports of trees and power lines downed by thunderstorm winds.
48	Breckinridge	UNION STAR	3/29/2002	Thunderstorm Wind	65	0	0	\$ -	\$ -	Telephone lines were downed.
49	Breckinridge	UNION STAR	4/21/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds over much of central Kentucky.
50	Breckinridge	UNION STAR	6/5/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees, power lines, and large limbs were blown down over parts of western and north central Kentucky.
51	Breckinridge	CUSTER	8/5/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds.
52	Breckinridge	COUNTYWIDE	11/10/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
53	Breckinridge	MC DANIELS	4/4/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees were downed near Highway 259.
	Breckinridge	HARDINSBURG	4/4/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees were downed.
54	Breckinridge	WEBSTER	5/8/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines were downed.
	Breckinridge	STEPHENSPOINT	5/8/2003	Thunderstorm Wind	60	0	0	\$ 10,000.00	\$ -	Unspecified structural damage was reported.
55	Breckinridge	MC DANIELS	5/11/2003	Thunderstorm Wind	60	0	0	\$ 75,000.00	\$ -	Several roofs were blown off homes. Numerous trees were downed.
56	Breckinridge	HARDINSBURG	8/2/2003	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed.
57	Breckinridge	HARNED	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed. Hail of an undetermined size was also reported.
	Breckinridge	IRVINGTON	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Breckinridge	HUDSON	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
58	Breckinridge	ROFF	5/25/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed. Some falling trees had knocked down power lines, causing power outages.
59	Breckinridge	CLOVERPORT	5/30/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
60	Breckinridge	COUNTYWIDE	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
61	Breckinridge	COUNTYWIDE	7/13/2004	Thunderstorm Wind	65	0	0	\$ 100,000.00	\$ -	Trees and power lines were blown down. Unspecified structural damage was also reported.
62	Breckinridge	COUNTYWIDE	11/24/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
63	Breckinridge	COUNTYWIDE	5/19/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	
64	Breckinridge	HARDINSBURG	6/14/2005	Thunderstorm Wind	52	0	0	\$ -	\$ -	
65	Breckinridge	CUSTER	8/14/2005	Thunderstorm Wind	52	0	0	\$ -	\$ -	Thunderstorm wind gusts downed trees over many areas in south central Kentucky.
66	Breckinridge	HARDINSBURG	8/18/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees downed by thunderstorm winds blocked roads over parts of central Kentucky.
67	Breckinridge	COUNTYWIDE	3/9/2006	Thunderstorm Wind	90	0	0	\$ 150,000.00	\$ -	Roofs were blown off two buildings in Hardinsburg. A barn was blown into a road just outside of Hardinsburg. Trees and power lines were downed countywide.
68	Breckinridge	COUNTYWIDE	4/2/2006	Thunderstorm Wind	55	0	0	\$ -	\$ -	Trees and power lines were downed.
69	Breckinridge	MOOLEYVILLE	5/25/2006	Thunderstorm Wind	60	0	0	\$ -	\$ -	Many trees were downed in the vicinity of the Yellowbank Wildlife Management Area due to straight line winds. The damage area was roughly one quarter mile wide and a mile long. All the trees fell in the same general direction, east southeastward. The time of occurrence was estimated from radar data.
	Breckinridge	COUNTYWIDE	5/25/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines were downed.
	Breckinridge	HARDINSBURG	5/25/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
70	Breckinridge	COUNTYWIDE	7/21/2006	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were blown down in Hardinsburg. In Cloverport, a dumpster was blown into a road.
71	Breckinridge	MC QUADY	9/22/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed in the Rough River area.
72	Breckinridge	IRVINGTON	8/29/2007	Thunderstorm Wind	60	0	0	\$ 25,000.00	\$ -	A tree was blown on to a mobile home.
73	Breckinridge	BIG SPG	10/18/2007	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed.
74	Breckinridge	STEPHENSPO	1/29/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds uprooted large trees on Highway 144 out of Stephensport, blocking the road.
	Breckinridge	HARDINSBURG ARPT	1/29/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds downed numerous trees.
	Breckinridge	KINGSWOOD	1/29/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds downed numerous trees.
75	Breckinridge	FRYMIRE	2/5/2008	Thunderstorm Wind	61	0	0	\$ 100,000.00	\$ -	Thunderstorm winds did severe damage to a home and rendered it uninhabitable.
76	Breckinridge	GLEN DEAN	6/13/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	
77	Breckinridge	HARDINSBURG ARPT	6/22/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	A few trees down...on over a road near Hardinsburg.
	Breckinridge	CUSTER	6/22/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Tree reported down across Highway 86 near Custer.
	Breckinridge	MYSTIC	6/22/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees down over roadway in Sample, KY.
78	Breckinridge	CLOVERPORT	8/4/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was down on HWY 105 near the Cloverport boat ramp.
	Breckinridge	HARNED	8/4/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees and power lines were downed.
79	Breckinridge	BIG SPG	5/21/2010	Thunderstorm Wind	52	0	0	\$ 5,000.00	\$ -	An amateur radio operator reported the siding was blown off a mobile home.
80	Breckinridge	CLOVERPORT	6/15/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Tree damage was reported with winds estimated to be between 55-60 mph.
81	Breckinridge	CLOVERPORT	7/19/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Power lines were blown down in Cloversport.
	Breckinridge	HARDINSBURG ARPT	7/19/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Power lines were blown down in New Bethel and a tree was blown down in Hardinsburg.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
82	Breckinridge	HIGH PLAINS	8/12/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A barn was destroyed on High Plains Rd. just northeast of Custer. Multiple power outage were also reported in Custer.
83	Breckinridge	ROFF	8/14/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree and power lines were blown down in the Rough River Lake area.
84	Breckinridge	FALLS OF ROUGH	2/28/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were downed near Falls of Rough. Two downed trees blocked Rolling Stone Acres Ln. and Kiper-Whitworth Rd.
85	Breckinridge	HARDINSBURG ARPT	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were down west of Hardinsburg.
	Breckinridge	HARDINSBURG ARPT	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter reported a measured gust of 60 mph as well as trees down.
	Breckinridge	WEBSTER	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down across highway 333.
86	Breckinridge	HARDINSBURG	5/25/2011	Thunderstorm Wind	50	0	0	\$ -	\$ -	
87	Breckinridge	MC QUADY	6/27/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Outflow winds associated with a decaying thunderstorm downed several trees in the McQuady area.
88	Breckinridge	CLOVERPORT	1/17/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The county highway department reported several trees downed near Cloverport.
	Breckinridge	HARDINSBURG ARPT	1/17/2012	Thunderstorm Wind	52	0	0	\$ 2,000.00	\$ -	The local emergency manager reported that a few shingles were blown off a house in Hardinsburg.
	Breckinridge	MC QUADY	1/17/2012	Thunderstorm Wind	52	0	0	\$ 2,000.00	\$ -	The county highway department reported that a cattle traler was overturned near McQuady.
	Breckinridge	HARNED	1/17/2012	Thunderstorm Wind	56	0	0	\$ 8,000.00	\$ -	Strong straight line winds removed the roof from an old barn, throwing it onto the roof of a residence, damaging its roof in turn.
	Breckinridge	ROFF	1/17/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The local department of highways reported several trees were downed near Roff.
89	Breckinridge	CLOVERPORT	1/23/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The local emergency management reported that two trees were downed across roads in the county. One large tree fell across Holt Road 2 miles east of Cloverport. The other fell just west of Hardinsburg near the intersection of State Highways 144 and 992.
90	Breckinridge	CLOVERPORT	7/1/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter in Cloversport reported a tree down across a power line.
91	Breckinridge	BIG SPG	7/18/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The local emergency manager reported several trees down along High Plains Road near Big Springs.
	Breckinridge	CUSTER	7/18/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Thunderstorm winds toppled several trees near Custer.
92	Breckinridge	FALLS OF ROUGH	1/30/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Breckinridge emergency manager reported several trees down near the town of Falls of Rough.
93	Breckinridge	STEPHENSPOET	6/26/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported power lines and trees down on Kentucky 144 just outside of Stephensport.
	Breckinridge	CLOVERPORT	6/26/2013	Thunderstorm Wind	52	0	0	\$ 5,000.00	\$ -	A HAM radio operator relayed a report of two electric poles snapped on Hillside Drive just outside of Cloverport.
	Breckinridge	MC QUADY	6/26/2013	Thunderstorm Wind	52	0	0	\$ 2,000.00	\$ -	A HAM radio operator reported trees and power lines down along Kentucky Highway 261 just south of McQuady.
	Breckinridge	MC DANIELS	6/26/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported numerous trees down just south of McDaniels.
94	Breckinridge	GARFIELD	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported several trees down along State Highway 86 around 7 miles east of Hardinsburg.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
95	Breckinridge	HARDINSBURG ARPT	12/21/2013	Thunderstorm Wind	50	0	0	\$ -	\$ -	A HAM Radio operator reported several trees down in Hardinsburg.
	Breckinridge	MC DANIELS	12/21/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were downed in McDaniels.
96	Breckinridge	IRVINGTON	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	A report arrived via amateur radio that trees and power lines were down across the county.
	Breckinridge	IRVINGTON	7/26/2014	Thunderstorm Wind	52	0	0	\$ 30,000.00	\$ -	Several trees fell across cars in Irvington.
97	Breckinridge	MYSTIC	6/25/2015	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	An amateur radio operator reported wind damage due to severe thunderstorm winds. The winds were estimated to be around 70 mph and resulted in damage to a carport along with roof damage.
98	Breckinridge	LOCUST HILL	7/10/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A broadcast meteorologist relayed a report of a large tree down on KY 1401.
	Breckinridge	BURAS	7/10/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A broadcast meteorologist relayed a report of a large tree down on KY 1073.
	Breckinridge	SAMPLE	7/20/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Kentucky transportation official reported that a tree and multiple limbs and branches were down on New Bethel Road.
99	Breckinridge	MC QUADY	12/23/2015	Thunderstorm Wind	53	0	0	\$ -	\$ -	A Kentucky Mesonet station measured a 53 knot wind gust due to severe thunderstorms.
101	Breckinridge	HARDINSBURG ARPT	3/31/2016	Thunderstorm Wind	52	0	0	\$ 15,000.00	\$ -	An amateur radio operator reported roof damage at Breckinridge County Middle School and damage to a nearby gas station. There were also reports of structural damage to buildings on Fairgrounds Road.
	Breckinridge	HARNED	3/31/2016	Thunderstorm Wind	52	0	2	\$ 30,000.00	\$ -	An amateur radio operator reported trailers flipped over at Nancy Butler Trailer Park.
102	Breckinridge	CLOVERPORT	4/27/2016	Thunderstorm Wind	52	0	0	\$ 5,000.00	\$ -	An Amateur radio operator reported areas around Cloverport were without power due to severe thunderstorm winds.
	Breckinridge	HARNED	4/27/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Breckinridge County official reported trees down.
103	Breckinridge	HARNED	5/10/2016	Thunderstorm Wind	52	0	0	\$ 6,000.00	\$ -	Trees and power lines were reported down along Highway 60.
	Breckinridge	HARNED	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Tree limbs were reported down on power lines.
	Breckinridge	HARNED	5/10/2016	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	The public reported severe thunderstorm winds peeled the metal roof off a house and destroyed a small barn.
	Breckinridge	CUSTER	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Tree limbs were reported down.
104	Breckinridge	AXTEL	7/3/2016	Thunderstorm Wind	52	0	0	\$ 20,000.00	\$ -	Trained spotters reported trees and power lines down along State Road 1740.
	Breckinridge	CONSTANTINE	7/3/2016	Thunderstorm Wind	52	0	0	\$ 5,000.00	\$ -	Trained spotters reported trees and a part of a barn blown into the road on Ova Wright Lane.
105	Breckinridge	IRVINGTON	3/1/2017	Thunderstorm Wind	52	0	0	\$ 30,000.00	\$ -	Local broadcast media reported that severe thunderstorm winds brought down utility poles and power lines on Highway 79 just north of Irvington.
106	Breckinridge	IRVINGTON	4/5/2017	Thunderstorm Wind	53	0	0	\$ 20,000.00	\$ -	Local broadcast media reported power lines down across KY 79.
107	Breckinridge	HARDINSBURG ARPT	4/3/2018	Thunderstorm Wind	54	0	0	\$ -	\$ -	The Breckinridge County KY Mesonet site recorded at 63 mph wind gust.
	Breckinridge	GARFIELD	4/3/2018	Thunderstorm Wind	53	0	0	\$ 15,000.00	\$ -	The public reported a roof blown off a barn.
108	Breckinridge	CLOVERPORT	5/27/2018	Thunderstorm Wind	52	0	0	\$ 50,000.00	\$ -	The Emergency Manager reported trees down with one tree on a house and another blocking a road. No injuries were reported.
109	Breckinridge	HARDINSBURG	6/10/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees were down across State Road 259, approximately 3 miles north of Hardinsburg, Kentucky.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
110	Breckinridge	MYSTIC	6/26/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	There was a tree reported down 7 miles north of Hardinsburg in the area of KY-2279.
	Breckinridge	CLOVERPORT	6/26/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a tree down on State Road 3199.
	Breckinridge	MADRID	6/26/2018	Thunderstorm Wind	53	0	0	\$ 15,000.00	\$ -	A tree fell on power lines on State Road 737.
	Breckinridge	MC DANIELS	6/26/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	There was a tree reported down on State Road 259.
	Breckinridge	HARNED	6/26/2018	Thunderstorm Wind	51	0	0	\$ 20,000.00	\$ -	There was damage to a building under construction.
	Breckinridge	HARNED	6/26/2018	Thunderstorm Wind	53	0	0	\$ 50,000.00	\$ -	A tree fell on the corner of a house in Harned.
	Breckinridge	BEWLEYVILLE	6/26/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree blew down on South State Road 333.
	Breckinridge	BURAS	6/26/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree blew down on State Road 1073.
111	Breckinridge	VANZANT	8/15/2018	Thunderstorm Wind	52	0	0	\$ 3,000.00	\$ -	Trees blew down, and a dryer was lifted and landed on a car.
	Breckinridge	MC QUADY	8/15/2018	Thunderstorm Wind	53	0	0	\$ 40,000.00	\$ -	A metal roof was blown off of a barn, a shed was completely blown apart, and several chicken coops were completely flattened. Multiple trees in a row were also blown down in the same direction.
	Breckinridge	TAR FORK	8/15/2018	Thunderstorm Wind	53	0	0	\$ 1,000.00	\$ -	Trees were reported down along Highway 261 and over much of the western part of the county.
	Breckinridge	RAYMOND	8/15/2018	Thunderstorm Wind	52	0	0	\$ 15,000.00	\$ -	A power pole was reported down along Highway 477.
112	Breckinridge	CLOVERPORT	12/31/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	Trees were reported down.
	Breckinridge	STEPHENSPOINT	12/31/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported down in the area.
113	Breckinridge	MC QUADY	6/5/2019	Thunderstorm Wind	51	0	0	\$ -	\$ -	A tree was down on St. Mary Church Road.
	Breckinridge	HARDINSBURG ARPT	6/5/2019	Thunderstorm Wind	54	0	0	\$ 15,000.00	\$ -	Power lines were reported down on 4th Street in Hardinsburg.
	Breckinridge	MC DANIELS	6/5/2019	Thunderstorm Wind	53	0	0	\$ -	\$ -	A tree was reported down on Highway 259 South.
114	Breckinridge	GARFIELD	6/21/2019	Thunderstorm Wind	54	0	0	\$ 20,000.00	\$ -	A tree reportedly fell on power lines near West Highway 86. The power lines were on the ground and local power was out in the area.
115	Breckinridge	STEPHENSPOINT	6/30/2019	Thunderstorm Wind	54	0	0	\$ -	\$ -	Trees were down around Stephensburg.
	Breckinridge	CLOVERPORT	6/30/2019	Thunderstorm Wind	53	0	0	\$ 30,000.00	\$ -	A tree fell on a house in Cloverport causing power lines to come down as well.
	Breckinridge	CLOVERPORT	6/30/2019	Thunderstorm Wind	53	0	0	\$ -	\$ -	A tree fell down in the 200 block of 7th Street.
	Breckinridge	CLOVERPORT	6/30/2019	Thunderstorm Wind	51	0	0	\$ -	\$ -	A large cedar tree fell down on Highway 60 near Kentucky 144.
	Breckinridge	MC QUADY	6/30/2019	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees were reported down around St. Mary's Church Road and Kentucky 105.
116	Breckinridge	MATTINGLY	8/20/2019	Thunderstorm Wind	55	0	0	\$ -	\$ -	Trees were reported down on Teller Haycraft Lane and Highway 110.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
117	Breckinridge	RAYMOND	1/11/2020	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a piece of metal blocking the roadway on the 4300 block of Highway 477 in Breckinridge County, Kentucky.
	Breckinridge	HARDINSBURG ARPT	1/11/2020	Thunderstorm Wind	53	0	0	\$ -	\$ -	A 53 kt gust was recorded at the Breckinridge County KY Mesonet site.
118	Breckinridge	HARDINSBURG	3/28/2020	Thunderstorm Wind	52	0	0	\$ 20,000.00	\$ -	A boat was blown out of a carport. Several fences were blown down. A barn canopy was bent, and a cargo trailer got pushed into a truck.
119	Breckinridge	BASIN SPG	7/6/2021	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree fell on Highway 60, northeast of Garfield.
120	Breckinridge	MC QUADY	7/10/2021	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree fell onto Highway 261 at mile marker 5.
121	Breckinridge	STINNETTSVILLE	3/18/2022	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines were down in Thornhill Estates.
122	Breckinridge	SAMPLE	4/13/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was down along Kentucky 259 near Sample.
	Breckinridge	FAIRFIELD	4/13/2022	Thunderstorm Wind	60	0	0	\$ -	\$ -	There was a report of a roof blown off of a home south of Custer.
123	Breckinridge	ROFF	6/17/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were down.
124	Breckinridge	STEPHENSPOINT	7/6/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	There were reports of multiple trees down along with power outages near Stephensport.
		TOTALS:				0	2	\$ 1,072,000.00	\$ -	

Grayson County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	Grayson		7/28/1958	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Grayson		7/28/1958	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	Grayson		7/2/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
3	Grayson		11/19/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
4	Grayson		5/7/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	Grayson		7/13/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
6	Grayson		5/25/1973	Thunderstorm Wind	0	0	0	\$ -	\$ -	
7	Grayson		6/30/1977	Thunderstorm Wind	65	0	0	\$ -	\$ -	
8	Grayson		7/21/1977	Thunderstorm Wind	0	0	0	\$ -	\$ -	
9	Grayson		4/13/1978	Thunderstorm Wind	0	0	0	\$ -	\$ -	
10	Grayson		7/2/1980	Thunderstorm Wind	0	0	0	\$ -	\$ -	
11	Grayson		4/23/1981	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	Grayson		5/29/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
13	Grayson		5/30/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	Grayson		6/8/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	Grayson		7/2/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
16	Grayson		7/3/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
17	Grayson		3/4/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
18	Grayson		3/12/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Grayson		3/12/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
19	Grayson		6/16/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Grayson		6/16/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
20	Grayson		8/5/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
21	Grayson		1/7/1989	Thunderstorm Wind	52	0	0	\$ -	\$ -	
22	Grayson		4/3/1989	Thunderstorm Wind	61	0	0	\$ -	\$ -	
23	Grayson		11/15/1989	Thunderstorm Wind	96	0	0	\$ -	\$ -	
24	Grayson		5/16/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
25	Grayson		6/6/1990	Thunderstorm Wind	52	0	0	\$ -	\$ -	
26	Grayson		7/20/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
27	Grayson		4/9/1991	Thunderstorm Wind	0	0	0	\$ -	\$ -	
28	Grayson		7/2/1991	Thunderstorm Wind	0	0	0	\$ -	\$ -	
29	Grayson		7/8/1991	Thunderstorm Wind	0	0	0	\$ -	\$ -	
30	Grayson		7/30/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
31	Grayson	Leitchfield	5/30/1993	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	Several large trees and power lines were blown down.
32	Grayson	Countywide	7/4/1995	Thunderstorm Wind	0	0	0	\$ 10,000.00	\$ -	Numerous trees and power lines were blown down across the county.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
33	Grayson	COUNTYWIDE	5/5/1996	Thunderstorm Wind	50	0	0	\$ 2,000.00	\$ -	Trees down across the county. A tree damaged a car in Leitchfield.
34	Grayson	LEITCHFIELD	7/2/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	60 mph winds reported.
35	Grayson	CANEYVILLE	6/14/1998	Thunderstorm Wind	62	0	0	\$ -	\$ -	
36	Grayson	LEITCHFIELD	1/17/1999	Thunderstorm Wind	54	0	0	\$ 8,000.00	\$ -	Mobile homes damaged
37	Grayson	COUNTYWIDE	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
38	Grayson	LEITCHFIELD	5/3/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed in Leitchfield.
39	Grayson	CANEYVILLE	5/24/2000	Thunderstorm Wind	52	0	0	\$ -	\$ -	
40	Grayson	CANEYVILLE	8/27/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were down across much of South Central Kentucky due to thunderstorm winds.
41	Grayson	COUNTYWIDE	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
42	Grayson	CANEYVILLE	6/4/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds over much of Central Kentucky.
	Grayson	COUNTYWIDE	6/4/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds over much of Central Kentucky.
43	Grayson	LEITCHFIELD	6/27/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Several trees were blown down.
44	Grayson	CANEYVILLE	9/23/2001	Thunderstorm Wind	70	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds over much of North Central Kentucky. A tree was blown on to a vehicle at Dexterville in Butler County. Another tree was blown on to a house at Pleasure Ridge Park in Jefferson County. Also in Jefferson County, 1.75 inch hail fell along Preston Highway near the state fairgrounds in Louisville.
45	Grayson	LEITCHFIELD	10/24/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	
	Grayson	CANEYVILLE	10/24/2001	Thunderstorm Wind	50	0	0	\$ -	\$ -	
46	Grayson	TAR HILL	1/24/2002	Thunderstorm Wind	70	0	0	\$ 5,000.00	\$ -	Winds ripped the roof off a self serve car wash. Trees and power lines were also downed.
47	Grayson	COUNTYWIDE	4/24/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	
48	Grayson	ANNETA	4/28/2002	Thunderstorm Wind	80	0	0	\$ 30,000.00	\$ -	A roof was blown off a house.
49	Grayson	YEAMAN	5/13/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed.
50	Grayson	CLARKSON	6/5/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	
51	Grayson	LEITCHFIELD	5/11/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree was downed on Sunbeam Road. Other trees were downed in the Walnut Hill Cemetery and on Broadway.
	Grayson	LEITCHFIELD	5/11/2003	Thunderstorm Wind	52	0	0	\$ -	\$ -	
52	Grayson	LEITCHFIELD	8/2/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
53	Grayson	CLARKSON	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Grayson	LEITCHFIELD	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
54	Grayson	LEITCHFIELD	5/26/2004	Thunderstorm Wind	60	0	0	\$ 5,000.00	\$ -	Trees were downed. One was blown on to an occupied mobile home, however there were no injuries.
	Grayson	LEITCHFIELD	5/26/2004	Thunderstorm Wind	60	0	0	\$ 20,000.00	\$ -	Trees were downed by thunderstorm winds. One was blown on to an occupied trailer. No injuries occurred.
55	Grayson	CANEYVILLE	5/30/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Numerous trees and power lines were downed.
	Grayson	LEITCHFIELD	5/30/2004	Thunderstorm Wind	80	0	0	\$ 100,000.00	\$ -	Two trailers on Caney Creek Church Road were rolled over by thunderstorm winds.
56	Grayson	LEITCHFIELD	6/1/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorm winds downed trees and power lines over much of central Kentucky. A tree was blown on to a house in Beaver Dam in Ohio County. Hail up to the size of quarters was reported. Numerous roads were closed by high water in Ohio and Grayson Counties. In Beaver Dam in Ohio County, six to twelve inches of water covered roads.
57	Grayson	CANEYVILLE	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
58	Grayson	LEITCHFIELD	7/13/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Trees and power lines were downed.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
59	Grayson	CANEYVILLE	8/14/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorm wind gusts downed trees over many areas in south central Kentucky.
60	Grayson	CANEYVILLE	3/9/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	A series of upper level disturbances moved along a surface warm frontal boundary. This produced lines of severe thunderstorms that crossed Central Kentucky. Trees and power lines were downed over much of the area, in addition to reports of structural damage.
	Grayson	LEITCHFIELD	3/9/2006	Thunderstorm Wind	62	0	0	\$ -	\$ -	A series of upper level disturbances moved along a surface warm frontal boundary. This produced lines of severe thunderstorms that crossed Central Kentucky. Trees and power lines were downed over much of the area, in addition to reports of structural damage.
61	Grayson	CENTRAL PORTION	5/2/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	A few trees were downed in Leitchfield and Caneyville.
62	Grayson	COUNTYWIDE	5/25/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
	Grayson	BIG CLIFTY	5/25/2006	Thunderstorm Wind	61	0	0	\$ -	\$ -	A storm spotter estimated a 70 mph wind gust.
63	Grayson	SHORT CREEK	6/11/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Clusters of severe thunderstorms downed trees and power lines over much of south central Kentucky.
	Grayson	LEITCHFIELD	6/11/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Clusters of severe thunderstorms downed trees and power lines over much of south central Kentucky.
	Grayson	CANEYVILLE	6/11/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Clusters of severe thunderstorms downed trees and power lines over much of south central Kentucky.
	Grayson	LEITCHFIELD	6/11/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Clusters of severe thunderstorms downed trees and power lines over much of south central Kentucky.
64	Grayson	CANEYVILLE	8/10/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree was downed and blocking a road in the town of Caneyville. Another tree was blown on to U.S. Highway 62 six miles west of Caneyville.
65	Grayson	LEITCHFIELD	12/1/2006	Thunderstorm Wind	57	0	0	\$ -	\$ -	A cold front brought a line of severe thunderstorms to central Kentucky during the early morning hours.
	Grayson	CANEYVILLE	12/1/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed by thunderstorm winds.
	Grayson	BIG CLIFTY	12/1/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
66	Grayson	LEITCHFIELD	4/11/2007	Thunderstorm Wind	60	0	0	\$ 2,000.00	\$ -	A store sign was blown on to a car. Trees were downed and blocking roadways.
67	Grayson	CLARKSON	2/5/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Thunderstorm winds downed large tree limbs.
68	Grayson	LEITCHFIELD	6/26/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees reported down in Leitchfield.
69	Grayson		9/14/2008	High Wind	56	0	0	\$ -	\$ -	A Spotter reported trees and power lines downed around the Clarkson area.
70	Grayson	CANEYVILLE	2/11/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were downed in Caneyville.
	Grayson		2/11/2009	High Wind	52	0	0	\$ -	\$ -	Tree limbs were reported down along with scattered power outages.
71	Grayson	CANEYVILLE	2/27/2009	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several power lines were reported down in Caneyville.
72	Grayson	CANEYVILLE	3/8/2009	Thunderstorm Wind	61	0	0	\$ -	\$ -	A roof was blown off a building and trees were downed.
73	Grayson	LEITCHFIELD	5/15/2010	Thunderstorm Wind	56	0	0	\$ 5,000.00	\$ -	A large metal building was blown half a mile.
74	Grayson	CLARKSON	6/2/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A barn roof was partially removed along US 62.
75	Grayson	SADLER	10/26/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was blown down at 1471 Decker School Rd.
	Grayson	ROYAL	10/26/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was blown down at 100 Horntown Rd.
76	Grayson	LEITCHFIELD	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Law enforcement reported a gust to 60 mph.
	Grayson	LEITCHFIELD	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down.
77	Grayson	CANEYVILLE	4/26/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A couple of trees were blown down.
	Grayson	LEITCHFIELD	4/26/2011	Thunderstorm Wind	50	0	0	\$ -	\$ -	The Grayson county mesonet measured a wind gust of 58 mph.
78	Grayson	CLARKSON	5/12/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were blown down in the Leitchfield and Clarkson areas of Grayson county.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
79	Grayson	CLARKSON	5/22/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter reported a gust of 60 mph.
80	Grayson	LEITCHFIELD	1/23/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported two trees downed just south of Leitchfield.
81	Grayson	CANEYVILLE	3/2/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Grayson	CANEYVILLE	3/2/2012	Thunderstorm Wind	61	0	0	\$ -	\$ -	A vacant mobile home was turned over from straight line winds. Many power outages were noted across the county as well.
82	Grayson	LEITCHFIELD	5/5/2012	Thunderstorm Wind	56	0	0	\$ 10,000.00	\$ -	Local law enforcement reported several trees down near Leitchfield. In addition, they reported several windows shattered. Other unofficial reports from the public mentioned damage to yard furniture, gutters, and playground equipment.
83	Grayson	SHREWSBURY	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The county's emergency manager reported a tree down on Highway 1133 near Blowtown Road.
84	Grayson	CANEYVILLE	1/30/2013	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	Law enforcement reported that a small detached garage blew onto a road.
85	Grayson	SKAGGSTOWN	6/23/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported several trees uprooted and nickle sized hail.
86	Grayson	SHREWSBURY	5/30/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported a barn and tree were blown down due to severe thunderstorm winds.
87	Grayson	CLARKSON	6/18/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Kentucky state official reported to the NWS of several trees down on Clifty Avenue in Clarkson.
88	Grayson	LEITCHFIELD	6/26/2015	Thunderstorm Wind	52	0	0	\$ 50,000.00	\$ -	A broadcast meteorologist relayed a report of structural damage to a building because of severe thunderstorm winds. This resulted in several vehicles damaged.
89	Grayson	LEITCHFIELD	7/14/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Grayson County law enforcement official reported a couple of trees down in the area from severe thunderstorm winds.
90	Grayson	CANEYVILLE	8/19/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A broadcast meteorologist relayed a report of a downed tree that fell from severe thunderstorm winds.
91	Grayson	SHORT CREEK	12/23/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Grayson County law enforcement officials reported to the NWS that trees were down in Short Creek because of severe thunderstorm winds.
	Grayson	LEITCHFIELD	12/23/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Grayson County law enforcement officials reported that trees were down in Leitchfield because of severe thunderstorm winds.
	Grayson	WAX	12/23/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement officials reported that trees were down in the town of Wax as a result of severe thunderstorm winds.
92	Grayson		4/2/2016	High Wind	52	0	0	\$ -	\$ -	A privately owned weather station 4 miles west of Millerstown measured a 60 mph wind gust.
93	Grayson	LEITCHFIELD	4/27/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was reported down due to severe thunderstorm winds.
94	Grayson	SHORT CREEK	5/11/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported down on Highway 54 one mile from Short Creek.
95	Grayson	FENTRESS MC MAHON	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	State officials reported trees down along Duff Road due to severe thunderstorm winds.
	Grayson	BIG CLIFTY	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	State officials reported trees down near St Paul and Elizabethtown Road due to severe thunderstorm winds.
96	Grayson	BIG CLIFTY	7/7/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported large trees snapped in half along Morrison Road.
97	Grayson	LEITCHFIELD	3/1/2017	Thunderstorm Wind	55	0	0	\$ -	\$ -	The public reported numerous trees down in the area due to severe thunderstorm winds.
98	Grayson	BLACK ROCK	3/27/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Local law enforcement reported that severe thunderstorm winds downed multiple trees across Millwood and Leitchfield.
99	Grayson	MEREDITH	5/20/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	A trained spotter reported a 10 inch diameter tree limb snapped off due to severe thunderstorm winds.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
100	Grayson	LILAC	4/3/2018	Thunderstorm Wind	53	0	0	\$ 25,000.00	\$ -	Amateur radio operators reported that a barn was leveled and multiple trees were down in the 3500 block of Lilac Road.
	Grayson	LILAC	4/3/2018	Thunderstorm Wind	74	0	0	\$ 75,000.00	\$ -	Downburst winds gusted to as high as 85 mph in a one-half mile by one-half mile swath of winds centered on Kentucky Highway 259 4.2 miles north of Leitchfield, KY. The winds destroyed a small barn, peeled metal roof panels from two other buildings, and overturned an RV. The winds also uprooted and snapped the trunks of several trees, and debris blowing into power lines helped snap four utility poles.
	Grayson	LEITCHFIELD	4/3/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees were reported down.
	Grayson	SKAGGSTOWN	4/3/2018	Thunderstorm Wind	55	0	0	\$ 75,000.00	\$ -	Amateur radio reported that a double wind trailer was blown across the road on Rock Creek Road.
101	Grayson	BIG CLIFTY	7/20/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	There was a picture of a large tree snapped along Morrison Road.
102	Grayson	BLACK ROCK	6/30/2019	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was down on Claggett Road.
103	Grayson	CLARKSON	7/2/2019	Thunderstorm Wind	52	0	0	\$ -	\$ -	The media reported on tree and power pole damage near Highway 920 and Highway 62.
104	Grayson	LEITCHFIELD	7/5/2020	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree blew down on Sunbeam Road.
105	Grayson	LEITCHFIELD	3/25/2021	Thunderstorm Wind	55	0	0	\$ -	\$ -	A large tree fell on a house near Highway 737, west of Leitchfield.
106	Grayson	CHURCH	6/21/2021	Thunderstorm Wind	51	0	0	\$ -	\$ -	A horse shed flipped over on Blowtown Road.
107	Grayson	ANNETA	7/6/2022	Thunderstorm Wind	51	0	0	\$ -	\$ -	A metal structure was damaged off of Anneta Road.
108	Grayson	LACON	7/14/2022	Thunderstorm Wind	51	0	0	\$ -	\$ -	There were 15 to 20 trees down along a mile stretch along Summit Road between Franklin and Watkins Roads. There was also roof and garage door damage in the area.
		TOTALS:				0	0	\$ 482,000.00	\$ -	

Hardin County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	Hardin		8/13/1956	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	Hardin		5/21/1957	Thunderstorm Wind	0	0	0	\$ -	\$ -	
3	Hardin		1/21/1959	Thunderstorm Wind	0	0	0	\$ -	\$ -	
4	Hardin		5/7/1961	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	Hardin		4/14/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		4/14/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
6	Hardin		7/2/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
7	Hardin		10/20/1969	Thunderstorm Wind	0	0	0	\$ -	\$ -	
8	Hardin		4/19/1970	Thunderstorm Wind	50	0	0	\$ -	\$ -	
9	Hardin		7/15/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
10	Hardin		11/19/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
11	Hardin		5/23/1973	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	Hardin		6/30/1973	Thunderstorm Wind	50	0	0	\$ -	\$ -	
13	Hardin		6/22/1974	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	Hardin		3/24/1975	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	Hardin		6/5/1975	Thunderstorm Wind	64	0	0	\$ -	\$ -	
16	Hardin		9/11/1975	Thunderstorm Wind	0	0	0	\$ -	\$ -	
17	Hardin		1/13/1976	Thunderstorm Wind	59	0	0	\$ -	\$ -	
18	Hardin		10/1/1977	Thunderstorm Wind	0	0	0	\$ -	\$ -	
19	Hardin		4/6/1978	Thunderstorm Wind	0	0	0	\$ -	\$ -	
20	Hardin		7/2/1980	Thunderstorm Wind	87	0	0	\$ -	\$ -	
21	Hardin		6/21/1981	Thunderstorm Wind	60	0	0	\$ -	\$ -	
22	Hardin		7/20/1981	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Hardin		7/20/1981	Thunderstorm Wind	0	0	0	\$ -	\$ -	
23	Hardin		4/3/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
24	Hardin		5/29/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
25	Hardin		5/30/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
26	Hardin		6/15/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
27	Hardin		8/4/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
28	Hardin		8/5/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		8/5/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		8/5/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
29	Hardin		3/15/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
30	Hardin		6/2/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		6/2/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
31	Hardin		6/10/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
32	Hardin		6/11/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		6/11/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
33	Hardin		5/7/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		5/7/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
34	Hardin		6/12/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		6/12/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
35	Hardin		6/16/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
36	Hardin		7/5/1987	Thunderstorm Wind	52	0	0	\$ -	\$ -	
37	Hardin		7/6/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
38	Hardin		8/3/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		8/3/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
39	Hardin		10/17/1988	Thunderstorm Wind	58	0	0	\$ -	\$ -	
40	Hardin		4/3/1989	Thunderstorm Wind	69	0	0	\$ -	\$ -	
41	Hardin		6/13/1989	Thunderstorm Wind	0	0	0	\$ -	\$ -	
42	Hardin		7/10/1989	Thunderstorm Wind	0	0	0	\$ -	\$ -	
43	Hardin		7/12/1989	Thunderstorm Wind	61	0	0	\$ -	\$ -	
44	Hardin		7/19/1989	Thunderstorm Wind	0	0	0	\$ -	\$ -	
45	Hardin		11/15/1989	Thunderstorm Wind	0	0	4	\$ -	\$ -	
46	Hardin		5/16/1990	Thunderstorm Wind	69	0	5	\$ -	\$ -	
47	Hardin		7/2/1991	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Hardin		7/2/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
48	Hardin		7/30/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
49	Hardin		2/21/1993	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	Trees and power lines were blown down in the city of Elizabethtown.
50	Hardin		5/30/1993	Thunderstorm Wind	0	0	0	\$ 5,000.00	\$ -	Trees were blown down in scattered areas around the region.
51	Hardin		6/21/1994	Thunderstorm Wind	0	0	0	\$ 500,000.00	\$ -	Strong winds caused damage to hangars and airplanes at Vine Grove Airport.
52	Hardin		6/26/1994	Thunderstorm Wind	0	0	0	\$ 500.00	\$ -	County DES reported numerous downed power lines south of Elizabethtown along with downed trees in Stephensburg.
53	Hardin	Eastview	4/11/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Downed power lines reported due to downburst winds from a thunderstorm.
54	Hardin	Vine Grove	5/14/1995	Thunderstorm Wind	0	0	0	\$ 50,000,000.00	\$ -	Numerous trees and power lines reported down by Vine Grove police. Hundreds of homes and businesses damaged. Damage estimate at \$6 million.
	Hardin	Radcliff	5/14/1995	Thunderstorm Wind	0	0	46	\$ 5,000,000.00	\$ -	Department of Emergency Service reports three mobile home parks received substantial damage. Forty-six minor injuries were also reported throughout the county. In all, 421 homes were damaged and 100 destroyed across the county. Damage was estimated at \$10.9 million across the county including \$6 million in Vine Grove and \$3.5 million in Radcliff. The damage was attributed to downburst winds up to 120 mph with embedded weak F1 tornadoes not out of the question.
55	Hardin	Glendale	5/18/1995	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	A roof was blown off a barn onto a mobile home reported by Elizabethtown Department of Emergency Service. Also, many trees were down. A steeple from a church was blown off.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
56	Hardin	Ft. Knox	6/28/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Ft. Knox Weather Station reported 60 mph winds.
57	Hardin	summer weather had dr	9/1/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Several trees and power lines were downed by thunderstorm winds.
58	Hardin		1/18/1996	High Wind	50	0	0	\$ -	\$ -	Shingles blown off roof by gradient winds estimated at 50 mph.
	Hardin		1/18/1996	High Wind	50	0	0	\$ -	\$ -	Large oak trees downed by gradient winds.
	Hardin		1/18/1996	High Wind	45	0	0	\$ -	\$ -	3 trees downed by gradient winds.
59	Hardin	COUNTYWIDE	5/5/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down across various parts of the county.
60	Hardin	ELIZABETH TOWN	7/2/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Radio tower blown over near Hwy. 62 and 65.
61	Hardin	ELIZABETH TOWN	7/21/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines down.
62	Hardin	RINEYVILLE	7/14/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	County dispatch reported several trees down.
63	Hardin	ELIZABETH TOWN	4/8/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	Dispatch reported trees and power lines down.
64	Hardin	VINE GROVE	5/20/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
65	Hardin	ELIZABETH TOWN	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Hardin	WHITE MILLS	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
66	Hardin	RADCLIFF	6/14/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Hardin	HOWE VLY	6/14/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
67	Hardin	COUNTYWIDE	1/17/1999	Thunderstorm Wind		0	0	\$ 20,000.00	\$ -	Trailer destroyed, trees and power lines down
68	Hardin	COUNTYWIDE	6/28/1999	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines down
69	Hardin	ELIZABETH TOWN	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
70	Hardin	VERTREES	9/20/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	
71	Hardin	RADCLIFF	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
	Hardin	RINEYVILLE	11/9/2000	Thunderstorm Wind	70	0	1	\$ 15,000.00	\$ -	One person was injured as a tree was blown on to a mobile home.
	Hardin	ELIZABETH TOWN	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
72	Hardin	SONORA	6/4/2001	Thunderstorm Wind	61	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds over much of Central Kentucky.
73	Hardin	RADCLIFF	6/26/2001	Thunderstorm Wind	80	0	0	\$ 50,000.00	\$ -	A roof was blown off a dental office building. The roof landed on a car in an adjacent parking lot. Trees were uprooted, and power lines were downed.
74	Hardin	RADCLIFF	10/24/2001	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Hardin	ELIZABETH TOWN	10/24/2001	Thunderstorm Wind	50	0	0	\$ -	\$ -	
75	Hardin	COUNTYWIDE	1/24/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorm winds blew down trees and power lines over much of central Kentucky, in addition to the above damage.
	Hardin	WHITE MILLS	1/24/2002	Thunderstorm Wind	80	0	0	\$ 8,000.00	\$ -	A 200 year old maple tree was blown on to a car.
76	Hardin	VINE GROVE	4/14/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were blown down.
77	Hardin	VINE GROVE	5/1/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed.
	Hardin	RADCLIFF	5/1/2002	Thunderstorm Wind	70	0	0	\$ -	\$ -	Power lines were down along Highway 313 near Interstate 65.
78	Hardin	RADCLIFF	5/2/2002	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Hardin	VINE GROVE	5/2/2002	Thunderstorm Wind	52	0	0	\$ -	\$ -	
79	Hardin	SONORA	6/5/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees, power lines, and large limbs were blown down over parts of western and north central Kentucky.
80	Hardin	RADCLIFF	2/3/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Two trees were downed.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
81	Hardin	ELIZABETH TOWN	4/5/2003	Thunderstorm Wind	80	0	0	\$ 30,000.00	\$ -	A mobile home was overturned. Also, several trees were downed.
	Hardin	CECILIA	4/5/2003	Thunderstorm Wind	52	0	0	\$ -	\$ -	
82	Hardin	RINEYVILLE	5/11/2003	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed on Rineyville School Road.
83	Hardin	WEST PT	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Hardin	ELIZABETH TOWN	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	Hardin	WHITE MILLS	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
84	Hardin	VINE GROVE	5/26/2004	Thunderstorm Wind	70	0	0	\$ 10,000.00	\$ -	A garage had considerable damage when a tree was blown on to it.
	Hardin	ELIZABETH TOWN	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	
	Hardin	RADCLIFF	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	
	Hardin	ELIZABETH TOWN	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	
	Hardin	ELIZABETH TOWN	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	
85	Hardin	RINEYVILLE	5/30/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed.
86	Hardin	ELIZABETH TOWN	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees were downed.
87	Hardin	SONORA	7/6/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Power lines were downed.
88	Hardin	FT KNOX	7/13/2004	Thunderstorm Wind	64	0	0	\$ -	\$ -	A 74 mph wind gust was measured at Godman Army Airfield.
	Hardin	CECILIA	7/13/2004	Thunderstorm Wind	70	0	0	\$ 250,000.00	\$ -	Numerous trees were blown down, some were blown on to mobile homes. Power lines were downed. A cell tower was blown over.
	Hardin	ELIZABETH TOWN	7/13/2004	Thunderstorm Wind	61	0	0	\$ -	\$ -	A trained spotter estimated a 70 mph wind gust.
89	Hardin	FT KNOX	7/22/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Power lines were blown down.
	Hardin	ELIZABETH TOWN	7/22/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees were blown down along Interstate 65. Three lanes of traffic were briefly blocked.
	Hardin	ELIZABETH TOWN	7/22/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Several trees were blown down across the Bluegrass Parkway.
	Hardin	ELIZABETH TOWN	7/22/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Power lines were downed.
90	Hardin	STEPHENSBURG	8/4/2004	Thunderstorm Wind	65	0	0	\$ 1,500.00	\$ -	At Stephensburg in Hardin County, a portion of a roof was blown off a grocery store. The debris landed on cars in a nearby parking lot. Elsewhere around central Kentucky, power lines, trees, and large limbs were blown down.
	Hardin	ELIZABETH TOWN	8/4/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	At Stephensburg in Hardin County, a portion of a roof was blown off a grocery store. The debris landed on cars in a nearby parking lot. Elsewhere around central Kentucky, power lines, trees, and large limbs were blown down.
91	Hardin	FT KNOX	6/14/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	A 58 mph wind gust was logged at Godman Army Airfield. Numerous power lines were downed on the Fort Knox post.
	Hardin	RADCLIFF	6/14/2005	Thunderstorm Wind	52	0	0	\$ -	\$ -	Thunderstorms developed in an unstable air mass over central Kentucky, out ahead of an advancing cold front. Thunderstorm winds downed trees and power lines over much of the area, along with a few instances of hail and structural damage.
92	Hardin	ELIZABETH TOWN	7/22/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	A line of severe thunderstorms moved from southern Indiana into north central Kentucky during the overnight hours. Numerous trees and power lines were downed over the area. A tree was blown on to a house on Taylor Boulevard in the city of Louisville.
93	Hardin	EASTVIEW	8/18/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees downed by thunderstorm winds blocked roads over parts of central Kentucky.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
94	Hardin	ELIZABETH TOWN	3/9/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	A series of upper level disturbances moved along a surface warm frontal boundary. This produced lines of severe thunderstorms that crossed Central Kentucky. Trees and power lines were downed over much of the area, in addition to reports of structural damage.
	Hardin	FT KNOX	3/9/2006	Thunderstorm Wind	52	0	0	\$ -	\$ -	A 60 MPH wind gust was measured at Godman Army Airfield.
	Hardin	ELIZABETH TOWN	3/9/2006	Thunderstorm Wind	90	0	0	\$ 50,000.00	\$ -	The roof was blown off a house in the St. John's Road area.
95	Hardin	WEST PT	4/2/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Tree branches were downed across U.S. Highway 31W.
96	Hardin	CECILIA	6/22/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorms downed trees and power lines, and produced large hail over much of central Kentucky. At Three Springs in Hart County, several barns were knocked down and a mobile home was blown off the foundation. Power lines were blown on to houses at Sonora in Hardin County. North of Hartford in Ohio County, trees were blocking Highway 69.
	Hardin	SONORA	6/22/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorms downed trees and power lines, and produced large hail over much of central Kentucky. At Three Springs in Hart County, several barns were knocked down and a mobile home was blown off the foundation. Power lines were blown on to houses at Sonora in Hardin County. North of Hartford in Ohio County, trees were blocking Highway 69.
97	Hardin	COUNTYWIDE	7/21/2006	Thunderstorm Wind	50	0	0	\$ 10,000.00	\$ -	Trees and power lines were downed in West Point and Radcliff. Power lines were downed in Elizabethtown, and an tree was blown against a house.
98	Hardin	ELIZABETH TOWN	9/22/2006	Thunderstorm Wind	51	0	0	\$ -	\$ -	A trained spotter measured a 59 mph wind gust.
99	Hardin	ELIZABETH TOWN	4/3/2007	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees were downed in the city of Elizabethtown.
100	Hardin	ELIZABETH TOWN	4/11/2007	Thunderstorm Wind	50	0	0	\$ -	\$ -	A cold front brought thunderstorms with hail and damaging winds to central Kentucky.
101	Hardin	(FTK)GODMAN AAF FT K	7/19/2007	Thunderstorm Wind	53	0	0	\$ -	\$ -	A cold front brought severe thunderstorms with heavy rains to north central Kentucky. Thunderstorm winds caused widespread tree damage over the area.
102	Hardin	SONORA	8/28/2007	Thunderstorm Wind	60	0	0	\$ 75,000.00	\$ -	A barn was destroyed.
103	Hardin	ROGERSVILLE	6/22/2008	Thunderstorm Wind	56	0	0	\$ -	\$ -	Tree in roadway in front of North Hardin High School. Window awning and limbs also in roadway.
104	Hardin	ELIZABETH TOWN	7/8/2008	Thunderstorm Wind	56	0	0	\$ -	\$ -	Several trees were reported down along the Western Kentucky Parkway between Elizabethtown and Clarkson.
105	Hardin	WEST PT	7/21/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees and power lines were reported down.
106	Hardin		9/14/2008	High Wind	56	0	0	\$ -	\$ -	The ASOS at Fort Knox measured wind gusts up to 65 mph. Broadcast media reported that part of the roof of the Elizabethtown fire department was blown off. Numerous trees and power lines were also reported down across the county.
107	Hardin	ELIZABETH TOWN	2/11/2009	Thunderstorm Wind	56	0	0	\$ -	\$ -	Trees reported downed in Elizabethtown.
108	Hardin	CREST	6/2/2009	Thunderstorm Wind	56	0	0	\$ -	\$ -	Trees were downed on Lower Colesburg Road near HWY 62. Several traffic lights were out as well.
109	Hardin	ROGERSVILLE	6/3/2009	Thunderstorm Wind	58	0	0	\$ -	\$ -	Power lines were downed in Radcliffe.
110	Hardin	CECILIA	6/18/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported downed in Cecilia.
111	Hardin	STEPHENSBURG	8/4/2009	Thunderstorm Wind	61	0	0	\$ 3,000.00	\$ -	Trees were downed and a small outbuilding flipped over.
	Hardin	ELIZABETH TOWN	8/4/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	A full grown tree was down on Westport Road and St. John.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
112	Hardin	RINEYVILLE	10/9/2009	Thunderstorm Wind	65	0	0	\$ -	\$ -	Straight line winds blew off a portion of roof and damaged a nearby vehicle. Some debris was found approximately 100 yards away. Trees were also downed on Highway 220.
	Hardin	ELIZABETH TOWN	10/9/2009	Thunderstorm Wind	61	0	0	\$ -	\$ -	An 80 by 30 foot section of roof was blown off of a warehouse on Valley Creek Road.
	Hardin	SONORA	10/9/2009	Thunderstorm Wind	70	0	0	\$ -	\$ -	A NWS Storm Survey team investigated damage in Hardin and Larue Counties in central Kentucky near Upton. The area of damage was located approximately 0.8 miles north of Upton and continued eastward for a third of a mile across U.S. Highway 31W just inside the Larue County line. The damage encompassed an area about 1500 yards wide. Several hardwood and cedar trees and 12 power poles were knocked over in a west-to-east direction. A tobacco barn was destroyed near the county line along with two other farm barns. Two cows inside one of the barns were killed and one of the barns partially landed on a house. A 4500 pound tractor was also moved 12 feet from west to east.
113	Hardin	FRANKLIN XRDS	4/7/2010	Thunderstorm Wind	54	0	0	\$ -	\$ -	A 54 knot gust was measured at the Hardin County mesonet site 8 miles west of Elizabethtown.
114	Hardin	FLINT HILL	6/2/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter estimated 50 to 60 mph winds. Many limbs were blown down including some up to 3 inches in diameter.
115	Hardin	RINEYVILLE	8/12/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Part of a barn's roof was blown off.
116	Hardin	ELIZABETH TOWN	10/26/2010	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines were blown down.
117	Hardin	RADCLIFF	4/4/2011	Thunderstorm Wind	51	0	0	\$ -	\$ -	A spotter reported a measured wind gust of 59 mph on SR 313 at mile marker 14.
	Hardin	ST JOHN	4/4/2011	Thunderstorm Wind	55	0	0	\$ -	\$ -	The Hardin county mesonet measured a gust of 62 mph.
118	Hardin	ELIZABETH TOWN	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees and power lines were reported down.
119	Hardin	GLENDALE	4/26/2011	Thunderstorm Wind	56	0	0	\$ -	\$ -	Trees were blown down across High Street in Glendale.
120	Hardin	ELIZABETH TOWN	6/27/2011	Thunderstorm Wind	54	0	0	\$ -	\$ -	Outflow winds from a decaying thunderstorm brought a 62 mph wind gust to a Kentucky Mesonet site in Elizabethtown.
121	Hardin	ROGERSVILLE	1/23/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several power outages developed near Ratcliff.
122	Hardin	(FTK)GODMAN AAF FT K	3/2/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A National Weather Service found a group of trees downed with estimated straight line winds of 60 mph.
	Hardin	SONORA	3/2/2012	Thunderstorm Wind	60	0	0	\$ -	\$ -	The public reported that a tree fell on a house at 138 North Maple Street.
	Hardin	GAITHERS	3/2/2012	Thunderstorm Wind	54	0	0	\$ -	\$ -	
	Hardin	ELIZABETH TOWN	3/2/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported that a semi truck was blown off the road at mile marker 95 on Interstate 65.
123	Hardin	ROGERSVILLE	3/15/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter reported that several trees fell across power lines.
124	Hardin	ROGERSVILLE	7/8/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several power lines were reported downed near the intersection of Park Avenue and Brown Street.
125	Hardin	FRANKLIN XRDS	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Kentucky Mesonet site 8 miles west of Elizabethtown measured a 59 mph wind gust.
	Hardin	VINE GROVE JCT	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Law enforcement reported several trees down near Ratcliff.
126	Hardin	ROGERSVILLE	7/26/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was blown down across some power lines near Pearman Avenue, causing a power outage.
127	Hardin	VINE GROVE	7/27/2012	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	The local fire department reported a tree down across a home in the Henderson Woods subdivision near Vine Grove. A person was temporarily trapped.
	Hardin	ELIZABETH TOWN	7/27/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Elizabethtown local police reported that a downed tree partially blocked Springfield Road.
128	Hardin	RADCLIFF	9/7/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were toppled along West Lincoln Trail in Radcliffe.
129	Hardin	(FTK)GODMAN AAF FT K	1/30/2013	Thunderstorm Wind	50	0	0	\$ -	\$ -	The ASOS at Fort Knox measured a 58 mph wind gust.
130	Hardin	(FTK)GODMAN AAF FT K	6/17/2013	Thunderstorm Wind	60	0	0	\$ -	\$ -	The ASOS instrument measured a 69 mph wind gust at the Fort Knox Airport.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
131	Hardin	ROGERSVILLE	6/26/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported several trees down in Radcliffe, which is near Fort Knox.
	Hardin	ELIZABETH TOWN	6/26/2013	Thunderstorm Wind	52	0	0	\$ 2,000.00	\$ -	A spotter at Freeman Lake Park reported several trees downed and a shed toppled. This park is just north of Elizabethtown.
	Hardin	CECILIA	6/26/2013	Thunderstorm Wind	52	0	0	\$ 2,000.00	\$ -	Power lines were downed just to the east of Cecilia.
132	Hardin	CREST	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement relayed a report of one 8 inch and one 15 inch diameter tree branch downed about 5 miles north of Elizabethtown along Sheperdsville Road.
133	Hardin	TUNNEL HILL	9/11/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local media reported that several trees were downed in the Bent Creek subdivision.
134	Hardin	HOWE VLY	12/21/2013	Thunderstorm Wind	50	0	0	\$ 1,000.00	\$ -	A HAM Radio operator reported damage to the roof of a shed.
	Hardin	VINE GROVE	12/21/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A HAM Radio operator reported trees down in Vine Grove.
	Hardin	ROGERSVILLE	12/21/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were downed in Ratcliffe. Power outages were also reported.
	Hardin	FRANKLIN XRDS	12/21/2013	Thunderstorm Wind	58	0	0	\$ -	\$ -	The Kentucky Mesonet in Hardin County measured a 67 mph wind gust.
	Hardin	ELIZABETH TOWN	12/21/2013	Thunderstorm Wind	53	0	0	\$ -	\$ -	A wind gust of 61 mph was measured in Elizabethtown.
135	Hardin	RED HILL	5/22/2014	Thunderstorm Wind	63	0	0	\$ 150,000.00	\$ -	A storm survey confirmed damage from a wet microburst that damaged many trees and several buildings just northwest of Ratcliff. The area surveyed covered an area roughly one half mile wide and 2 to 3 miles in length. Based on damage, northwest winds gusted as high as 70 to 75 mph. Along with many downed trees, two homes on Kingswood Road near Hillcrest Road had large sections of their roof taken off and thrown several hundred yards to the southwest. Several homes on Scenic Drive has substantial garage and siding damage. Two businesses at a strip mall just off of Highway 31W had sections of their roof damaged. Hail up to penny size fell for 20 minutes and produced some drifts up to one foot high.
136	Hardin	WEST PT	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	A NWS employee reported power lines down across Main Street at West Point. Several miles away, at nearly the same time, a 59 mph wind gust was measured by the ASOS at the Fort Knox airport.
	Hardin	ROGERSVILLE	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were downed near Radcliff. One tree fell across State Highway 1500 near Highway 313.
	Hardin	ELIZABETH TOWN	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	A NWS employee reported trees and power poles down near Elizabethtown.
137	Hardin	VINE GROVE	8/23/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported that several trees were downed in Vine Grove and other areas in northern Hardin County.
138	Hardin	CECILIA	10/6/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Dispatch reported two trees down in Hardin County. One fell along Valley Creek near Elizabethtown. The other fell along Harris School Road near Cecilia.
139	Hardin	GLENDALE JCT	4/7/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Transportation officials reported trees down near Tonniesville along the Hardin/Larue County line.
	Hardin	CECILIA	4/7/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported that power poles were knocked down by thunderstorm winds.
140	Hardin	GLENDALE	6/19/2015	Thunderstorm Wind	52	0	0	\$ 5,000.00	\$ -	An amateur radio operator reported to the NWS that trees were down on a house near Dixie Highway.
	Hardin	ELIZABETH TOWN	6/19/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported that telephone poles and power lines were down along Dixie Highway.
141	Hardin	GAITHERS	6/26/2015	Thunderstorm Wind	52	0	0	\$ 2,000.00	\$ -	A Kentucky state official reported to the NWS that a powerline was down due to severe thunderstorm winds.
142	Hardin	RINEYVILLE	7/7/2015	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	A broadcast meteorologist relayed a report that severe thunderstorm winds brought down portions of a fence as well as several trees.
143	Hardin	RINEYVILLE	12/23/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Hardin County law enforcement officials reported trees down across Hardin County due to severe thunderstorm winds.
	Hardin	SONORA	12/23/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement officials reported trees down across Hardin County as a result of severe thunderstorm winds.
144	Hardin	VINE GROVE	3/27/2016	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	An off-duty NWS employee reported shingle damage to homes around the area.
	Hardin	RINEYVILLE	3/27/2016	Thunderstorm Wind	52	0	0	\$ 50,000.00	\$ -	There was a public report of shingle and roof damage to several residences just north of Rineyville.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
145	Hardin	ROGERSVILLE	3/31/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported power lines down in the area.
146	Hardin		4/2/2016	High Wind	52	0	0	\$ 10,000.00	\$ -	Privately owned weather stations measured wind gusts in the 50 to 60 mph range. These high winds resulted in downed trees, power outages and other minor structural damage.
147	Hardin	CREST	5/7/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	A public report relayed by Facebook showed a large tree down near Kentucky 434.
148	Hardin	PERRYVILLE	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	An 8 inch diameter cedar tree fell down near Blueball Hill.
	Hardin	VINE GROVE	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trained spotters reported trees and tree limbs down in the area.
	Hardin	VINE GROVE	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	An off-duty NWS employee reported a tree down on Duggin Switch Road, which was partially blocked the roadway.
	Hardin	ELIZABETH TOWN	5/10/2016	Thunderstorm Wind	55	0	0	\$ -	\$ -	A trained spotter measured a 55 knot wind gust.
	Hardin	COLESBURG	5/10/2016	Thunderstorm Wind	56	0	0	\$ -	\$ -	Amateur radio operator reported a 56 knot measured wind gust.
149	Hardin	CECILIA	7/6/2016	Thunderstorm Wind	52	0	0	\$ 15,000.00	\$ -	Local broadcast media reported power outages due to severe thunderstorm winds.
	Hardin	ELIZABETH TOWN	7/6/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Numerous large trees down in Elizabethtown and Glendale areas due to severe thunderstorm winds.
	Hardin	MARTIN BOX	7/6/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local media reported downed trees blocking St John Road.
150	Hardin	EASTVIEW	7/7/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	An off-duty NWS employee reported trees down across US 62 and Kentucky Highway 84.
	Hardin	(FTK)GODMAN AAF FT K	7/7/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Officials with Fort Knox reported large trees down across a roadway on base.
151	Hardin	VINE GROVE JCT	7/14/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local media reported a tree down due to severe thunderstorm winds.
152	Hardin	ELIZABETH TOWN	9/10/2016	Thunderstorm Wind	52	0	0	\$ 8,000.00	\$ -	Local broadcast media reported that trees were down around Elizabethtown with one tree damaging a vehicle on Diecks Drive.
153	Hardin	PERRYVILLE	10/20/2016	Thunderstorm Wind	60	0	0	\$ 50,000.00	\$ -	An amateur radio operator reported several barns and wooden fences destroyed by thunderstorm winds.
	Hardin	PERRYVILLE	10/20/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported several trees knocked down by thunderstorm winds.
	Hardin	RINEYVILLE	10/20/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were knocked down as a severe thunderstorm passed through the area.
154	Hardin	ELIZABETH TOWN	3/1/2017	Thunderstorm Wind	55	0	0	\$ -	\$ -	The local newspaper reported that severe thunderstorm winds brought down several trees.
	Hardin	VINE GROVE	3/1/2017	Thunderstorm Wind	53	0	0	\$ 50,000.00	\$ -	An off duty NWS employee reported 3 telephone poles snapped along Crume Road.
155	Hardin	ELIZABETH TOWN	4/5/2017	Thunderstorm Wind	65	0	0	\$ 25,000.00	\$ -	A tree was uprooted due to severe thunderstorm winds and fell onto a mobile home.
	Hardin	ELIZABETH TOWN	4/5/2017	Thunderstorm Wind	53	0	0	\$ 25,000.00	\$ -	A trained spotter reported a mobile home was blown over due to severe thunderstorm winds.
	Hardin	ELIZABETH TOWN	4/5/2017	Thunderstorm Wind	53	0	0	\$ 15,000.00	\$ -	An amateur radio operator reported that a tree was blown onto a mobile home in the Woodland mobile home park.
156	Hardin	NOLIN	4/3/2018	Thunderstorm Wind	55	0	1	\$ 20,000.00	\$ -	A truck with a male driver was blown off the road of the 2300 block of Sonora Hardin Springs Road and into a barn. The driver was taken to Hardin Memorial Hospital with minor injuries.
	Hardin	NOLIN	4/3/2018	Thunderstorm Wind	53	0	0	\$ 50,000.00	\$ -	Amateur radio operators reported that a 2 story building was leveled with debris scattered into the road.
	Hardin	GLENDALE JCT	4/3/2018	Thunderstorm Wind	55	0	0	\$ 75,000.00	\$ -	Amateur radio operators reported that a workshop was leveled and farm machinery was damaged on Gilead Church Road.
	Hardin	GLENDALE	4/3/2018	Thunderstorm Wind	55	0	0	\$ 25,000.00	\$ -	Amateur radio operators reported power lines down at the corner of Main Street and Glendale.
	Hardin	SONORA	4/3/2018	Thunderstorm Wind	55	0	0	\$ 75,000.00	\$ -	Amateur radio operators reported power lines and structural damage in the area.
	Hardin	EASTVIEW	4/3/2018	Thunderstorm Wind	55	0	0	\$ 20,000.00	\$ -	The public reported structural damage at Highway 62 in Eastview.
157	Hardin	VINE GROVE	6/9/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	An off-duty NWS employee reported a large diameter tree downed on McIntyre Road.
158	Hardin	COLESBURG	6/12/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	The public reported torrential rainfall and trees down in the road.
	Hardin	COLESBURG	6/12/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees down at the intersection of Stovall Road and Bardstown Road.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
159	Hardin	MARTIN BOX	6/26/2018	Thunderstorm Wind	56	0	0	\$ 100,000.00	\$ -	AGC Automotive Americas had mechanical units blown off of their roof and metal wall panels blown approximately 1,000 to 1,500 feet downwind.
	Hardin	CECILIA	6/26/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	There was a small building blown off of its foundation with debris blown approximately 800 feet downwind.
160	Hardin	VERTREES	6/21/2019	Thunderstorm Wind	53	0	0	\$ 15,000.00	\$ -	A large tree fell on power lines and completely blocked Hardinsburg Road near the 12000 block.
161	Hardin	GAITHERS	8/20/2019	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported down at the intersection of New Glendale Road and Brentwood Drive. Trees were also reported down on Senora Nolin Road.
162	Hardin	(FTK)GODMAN AAF FT K	4/8/2020	Thunderstorm Wind	55	0	0	\$ -	\$ -	There were reports of trees down on cars and houses including some damage to hanger buildings.
163	Hardin	GLENDALE JCT	3/25/2021	Thunderstorm Wind	50	0	0	\$ -	\$ -	Damage to a house was reported.
164	Hardin	SONORA	6/11/2021	Thunderstorm Wind	53	0	0	\$ -	\$ -	Power lines were down in Upton.
165	Hardin	NORTH FOUR CORNERS	12/11/2021	Thunderstorm Wind	55	0	0	\$ -	\$ -	A few trees and power poles were down on Salt River Road.
166	Hardin	ELIZABETH TOWN ARPT	3/18/2022	Thunderstorm Wind	60	0	0	\$ -	\$ -	There were a large number of power poles broken along South Wilson Road between W.A. Jenkins Road and Hutcherson Lane.
	Hardin	COLESBURG	3/18/2022	Thunderstorm Wind	55	0	0	\$ -	\$ -	Power poles and wires were down along Woolridge Ferry Road between KY 434 and KY 313.
167	Hardin	FRANKLIN XRDS	4/13/2022	Thunderstorm Wind	55	0	0	\$ -	\$ -	
168	Hardin	RINEYVILLE	5/18/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were blown down, and minor damage to a barn occurred.
	Hardin	RINEYVILLE	5/18/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were blown down along Berrytown Road near Rineyville.
	Hardin	RINEYVILLE	5/18/2022	Thunderstorm Wind	51	0	0	\$ -	\$ -	A tree fell onto a home near Rineyville causing damage.
169	Hardin	CECILIA	7/6/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees were down along Leitchfield Road.
		TOTALS:				0	57	\$ 56,948,000.00	\$ -	

LaRue County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	LaRue		4/19/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	LaRue		5/24/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
3	LaRue		6/19/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
4	LaRue		1/13/1976	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	LaRue		6/30/1977	Thunderstorm Wind	0	0	0	\$ -	\$ -	
6	LaRue		7/2/1980	Thunderstorm Wind	87	0	0	\$ -	\$ -	
7	LaRue		8/24/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
8	LaRue		2/24/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
9	LaRue		7/15/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	LaRue		7/15/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
10	LaRue		6/11/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
11	LaRue		3/12/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	LaRue		6/12/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
13	LaRue		7/5/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	LaRue		7/6/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	LaRue		7/27/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
16	LaRue		8/3/1987	Thunderstorm Wind	83	0	1	\$ -	\$ -	
17	LaRue		1/7/1989	Thunderstorm Wind	61	0	0	\$ -	\$ -	
18	LaRue		7/10/1989	Thunderstorm Wind	0	0	0	\$ -	\$ -	
19	LaRue		11/15/1989	Thunderstorm Wind	0	0	6	\$ -	\$ -	
20	LaRue		5/16/1990	Thunderstorm Wind	61	0	0	\$ -	\$ -	
21	LaRue		6/6/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
22	LaRue		2/21/1993	Thunderstorm Wind	0	0	1	\$ 50,000.00	\$ -	One person was injured when a barn was blown over near Mount Sherman.
23	LaRue		6/26/1994	Thunderstorm Wind	0	0	0	\$ 500.00	\$ -	Hodgensville police reported trees down.
24	LaRue	MAGNOLIA	4/20/1996	Thunderstorm Wind	52	0	0	\$ -	\$ -	60 mph winds reported in Magnolia. Relayed by HAM radio operator.
25	LaRue	HODGENVILLE	11/7/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	A barn roof was blown off as well as some trees down across the county.
26	LaRue	ATHERTONVILLE	4/28/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down.
27	LaRue	HODGENVILLE	5/19/1997	Thunderstorm Wind	60	0	0	\$ 40,000.00	\$ -	A spotter reported a semi was blown over and several trees were blown down 2 miles east of Hodgenville.
28	LaRue	HODGENVILLE	7/14/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	Ham radio operator reported trees down between Hodgenville and Toniaville.
29	LaRue	BUFFALO	5/20/1998	Thunderstorm Wind	60	0	0	\$ 10,000.00	\$ -	
30	LaRue	HODGENVILLE	5/31/1998	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	LaRue	HODGENVILLE	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	LaRue	HODGENVILLE	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
31	LaRue	BUFFALO	6/14/1998	Thunderstorm Wind	60	0	0	\$ 20,000.00	\$ -	
32	LaRue	COUNTYWIDE	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines down and some highway signs blown down

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
33	LaRue	HODGENVILLE	9/20/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	
34	LaRue	MT SHERMAN	11/9/2000	Thunderstorm Wind	70	0	0	\$ 60,000.00	\$ -	
35	LaRue	HODGENVILLE	6/4/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds over much of Central Kentucky.
36	LaRue	COUNTYWIDE	10/24/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	
37	LaRue	UPTON	6/4/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	
39	LaRue	LYONS	5/11/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
40	LaRue	ROANOKE	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	LaRue	BUFFALO	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
41	LaRue	HODGENVILLE	5/25/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Numerous trees were downed. Some falling trees knocked down power lines and caused outages.
42	LaRue	HODGENVILLE	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Besides the structural damage, trees and power lines were downed over much of central Kentucky.
43	LaRue	COUNTYWIDE	5/30/2004	Thunderstorm Wind	60	0	0	\$ 10,000.00	\$ -	A vehicle was struck by a falling tree and power line in Magnolia. Other trees were downed countywide.
44	LaRue	COUNTYWIDE	7/5/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Numerous trees and power lines were downed.
45	LaRue	COUNTYWIDE	7/13/2004	Thunderstorm Wind	60	0	0	\$ 100,000.00	\$ -	Trees and power lines were blown down. Unspecified structural damage was reported.
46	LaRue	HODGENVILLE	7/22/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Several trees were blown down.
47	LaRue	HODGENVILLE	3/9/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	LaRue	HODGENVILLE	3/9/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	
48	LaRue	BUFFALO	8/10/2006	Thunderstorm Wind	65	0	0	\$ 30,000.00	\$ -	A barn was blown down.
49	LaRue	MAGNOLIA	4/3/2007	Thunderstorm Wind	58	0	0	\$ -	\$ -	A strong, late season cold front brought an end to an extended period of warm weather. It also brought severe storms to central Kentucky, including two confirmed tornadoes.
	LaRue	BUFFALO	4/3/2007	Thunderstorm Wind	52	0	0	\$ -	\$ -	A strong, late season cold front brought an end to an extended period of warm weather. It also brought severe storms to central Kentucky, including two confirmed tornadoes.
50	LaRue	BUFFALO	7/27/2007	Thunderstorm Wind	50	0	0	\$ -	\$ -	A barn was blown down in Larue County. Most other damage reported was in the form of downed trees and power lines.
	LaRue	JERICHO	7/27/2007	Thunderstorm Wind	60	0	0	\$ 75,000.00	\$ -	A barn was blown down.
51	LaRue	HODGENVILLE	10/19/2007	Thunderstorm Wind	60	0	0	\$ -	\$ -	Over a dozen trees were downed in and around Hodgenville.
52	LaRue	BUFFALO	1/29/2008	Thunderstorm Wind	56	0	0	\$ 150,000.00	\$ -	Thunderstorm winds blew a tree on to a home. Other homes in the Buffalo area had shingle damage. Several trees were downed in the area.
53	LaRue	HODGENVILLE	2/11/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported downed near Hodgenville.
54	LaRue	MATHERS MILL	3/8/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	Downed tree limbs were reported with winds estimated at 60 mph by amateur radio operator.
55	LaRue	LYONS	10/9/2009	Thunderstorm Wind	56	0	0	\$ -	\$ -	Two trees were downed along Younger Creek Road just west of New Haven.
56	LaRue	BARREN RUN	4/24/2010	Thunderstorm Wind	61	0	0	\$ -	\$ -	Several well built barns were blown away near the junction of highways 222 and 84. A rotating wall cloud and pea sized hail were also reported near this location.
	LaRue	HODGENVILLE	4/24/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Multiple reports of power lines down were reported throughout the county.
	LaRue	LEAFDALE	4/24/2010	Thunderstorm Wind	56	0	0	\$ -	\$ -	The windows were blown out of a house on Dangerfield Road off of Highway 470.
	LaRue	TONIEVILLE	4/24/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Barns and small outbuildings were damaged or destroyed along with numerous tree branches blown off.
57	LaRue	BUFFALO	7/10/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Power lines were blown down.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
58	LaRue	BARREN RUN	10/26/2010	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines were blown down.
59	LaRue	MAGNOLIA	2/24/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A barn roof was damaged on Parkers Grove Rd.
	LaRue	MAGNOLIA	2/24/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A barn roof was damaged near Charlie Ragland Rd. and US 31E.
	LaRue	MAGNOLIA	2/28/2011	Thunderstorm Wind	54	0	0	\$ -	\$ -	Amateur radio operator relayed a spotter report of a 62 mph measured wind gust.
60	LaRue	MAGNOLIA	4/4/2011	Thunderstorm Wind	54	0	0	\$ -	\$ -	
61	LaRue	JERICO	4/20/2011	Thunderstorm Wind	61	0	0	\$ -	\$ -	A newly constructed metal garage work building was destroyed.
	LaRue	MAGNOLIA	4/20/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down.
62	LaRue	WHITE CITY	1/17/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The local emergency manager reported that a couple of trees and a utility pole was downed on White City Road.
63	LaRue	HODGENVILLE	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Two trees were downed near Hodgenville. One fell along Herbert Howell Road and another fell along Charlie Ragland Road.
64	LaRue	HODGENVILLE	7/26/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The local emergency dispatch reported several trees downed in Hodgenville.
	LaRue	BUFFALO	7/26/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported trees down along Highway 470.
65	LaRue	HODGENVILLE	7/27/2012	Thunderstorm Wind	56	0	0	\$ 10,000.00	\$ -	The public reported the some siding and a portion of a roof were stripped from a home in Hodgenville. Numerous trees and power lines were downed in Hodgenville and across the rest of the county.
66	LaRue		10/31/2013	Strong Wind	27	0	0	\$ 10,000.00	\$ -	An 18 year old man was injured when his vehicle hit a downed tree on Lyons Station Road. The nearby LaRue County mesonet recorded a 31 mph wind gust at around this same time.
67	LaRue	MAXINE	5/13/2014	Thunderstorm Wind	50	0	0	\$ 30,000.00	\$ -	A new barn, with its doors open to its east, was destroyed when thunderstorm winds entered the structure.
68	LaRue	HODGENVILLE	5/22/2014	Thunderstorm Wind	59	0	0	\$ 100,000.00	\$ -	A storm survey confirmed widespread straight line wind damage in Hodgenville. A compact but fast moving bow echo that earlier damaged Radcliff brought a measured wind gust of 68 mph to a Kentucky Mesonet site just west of Hodgenville. Numerous soft and hardwood trees had either toppled or had had branches stripped and thrown in a southeasterly direction. A concentrated area of damage consistent with 70 mph winds was surveyed just east of downtown Hodgenville. Awnings and some roof siding were stripped from several buildings. Widespread tree damage was noted near the Red Hill Cemetery. The cemetery's large flag pole was bent at a nearly 45 degree angle. Hail up to half dollar size fell for an estimated 20 minutes.
	LaRue	LEAFDALE	5/22/2014	Thunderstorm Wind	59	0	0	\$ -	\$ -	A 68 mph wind gust was measured by a Kentucky Mesonet site 2 miles east of Hodgenville.
69	LaRue	MAGNOLIA	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported a tree down near Highway 31N near the Hart County line.
70	LaRue	BUFFALO	7/27/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	An NWS employee reported two trees down just to the northeast of Buffalo.
71	LaRue	LEAFDALE	10/6/2014	Thunderstorm Wind	50	0	0	\$ -	\$ -	A storm chaser reported that two trees were downed by thunderstorm winds east of Hodgenville. One fell along Bardstown Road. Another tree was toppled along State Highway 222.
72	LaRue	TANNER	6/18/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Kentucky state official reported trees down on the road near the intersection of Milby Lane and Hawkins Road.
73	LaRue	MT SHERMAN	6/26/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported a large tree was blown down due to severe thunderstorm winds.
74	LaRue	HODGENVILLE	7/10/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A LaRue County law enforcement official reported a large tree limb fell on Bardstown Road north of Hodgenville.
	LaRue	HODGENVILLE	7/10/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter reported several trees down across the city.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
75	LaRue	HODGENVILLE	7/13/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported trees down in the area from severe thunderstorm winds.
76	LaRue	HODGENVILLE	12/23/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	LaRue County law enforcement officials reported a few trees down in Hodgenville because of severe thunderstorm winds.
77	LaRue		4/2/2016	High Wind	52	0	0	\$ 5,000.00	\$ -	Public estimated wind gusts were between 55 and 60 mph. These high winds resulted in downed trees, power outages and other minor structural damage.
78	LaRue	MAGNOLIA	7/7/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	An amateur radio operator reported downed trees in the area due to severe thunderstorm winds.
70	LaRue	UPTON	3/1/2017	Thunderstorm Wind	55	0	0	\$ 25,000.00	\$ -	Local broadcast media reported that severe thunderstorm winds damaged a metal roof.
80	LaRue	HODGENVILLE	4/30/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees down at Lincoln Parkway and Campbellsville Road.
81	LaRue	MATHERS MILL	4/3/2018	Thunderstorm Wind	74	0	0	\$ 200,000.00	\$ -	Two miles SW on Hodgenville on Old Sonora Road a large 36x30 foot well built metal barn sustained significant structural damage when the barn broke free from the foundation. Portions of the trusses and 6x6 poles were found 100 yards to the east. Several large pieces of metal roofing and siding were blown eastward up to 1/2 mile and several splintered sections of the roof were impaled in the ground nearby. There was sporadic wind damage eastward from this point and then a concentrated area of damage at Larue County Middle School. Wind gusts lifted a section of the cafeteria roof and threw it about 25 feet downwind to the east. About 100 yards further east from the school, a small storage shed was pushed into the dugout dislodging several concrete blocks. Winds around the school area were estimated to be around 65 mph. Northeast of Hodgenville in Ovsen Heights, a concentrated area of wind brought down several power poles and trees knocking down a few outbuildings and back deck areas. Winds were estimated to be 65 to 70 mph at this location.
	LaRue	HODGENVILLE	4/3/2018	Thunderstorm Wind	55	0	0	\$ -	\$ -	NWS Employee reported trees down across Highway 210 in Hodgenville.
	LaRue	WHITE CITY	4/3/2018	Thunderstorm Wind	55	0	0	\$ 25,000.00	\$ -	NWS Employee reported structural damage east of Hodgenville with roofing and insulation material scattered across road.
	LaRue	BUFFALO	4/3/2018	Thunderstorm Wind	57	0	0	\$ -	\$ -	The Larue County KY Mesonet site recorded a gust of 66 mph.
82	LaRue	MATHERS MILL	3/28/2020	Thunderstorm Wind	55	0	0	\$ 5,000.00	\$ -	A roof was blown off of a workshop, and several trees were downed.
83	LaRue	BUFFALO	7/5/2020	Thunderstorm Wind	53	0	0	\$ -	\$ -	Power lines were blown down on a porch and truck on Dixon Street.
84	LaRue	BUFFALO	5/3/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were knocked down on Greensburg Road near Buffalo.
	LaRue	BUFFALO	5/3/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	A portion of a metal roof was blown off an outbuilding at the LaRue County Country Club.
		TOTALS:				0	8	\$ 955,500.00	\$ -	

Marion County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	MARION CO.		7/2/1967	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	MARION CO.		8/8/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
3	MARION CO.		5/25/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
4	MARION CO.		5/24/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	MARION CO.		8/6/1979	Thunderstorm Wind	0	0	0	\$ -	\$ -	
6	MARION CO.		6/8/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
7	MARION CO.		8/5/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	MARION CO.		8/5/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
8	MARION CO.		8/11/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	MARION CO.		8/11/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
9	MARION CO.		3/15/1984	Thunderstorm Wind	52	0	0	\$ -	\$ -	
10	MARION CO.		8/30/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	MARION CO.		8/30/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
11	MARION CO.		10/4/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	MARION CO.		7/5/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
13	MARION CO.		7/6/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	MARION CO.		5/16/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	MARION CO.		6/6/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
16	MARION CO.		7/30/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
17	MARION CO.		10/8/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
18	MARION CO.		5/14/1995	Thunderstorm Wind	0	0	0	\$ 500,000.00	\$ -	Public reports hundreds of roofs damaged and trees down.
19	MARION CO.	Lebanon	5/18/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Public reports trees and power lines down.
20	MARION (ZONE)		1/18/1996	High Wind	50	0	0	\$ 5,000.00	\$ -	A tree fell on two mobile homes and knocked them over. Power lines were also knocked down. Relayed from county dispatch.
	MARION (ZONE)		1/18/1996	High Wind	40	0	0	\$ -	\$ -	Power outages associated with gusty gradient winds
21	MARION CO.	LEBANON	5/24/1996	Thunderstorm Wind	52	0	0	\$ -	\$ -	60 mph winds reported by spotter.
22	MARION CO.	COUNTYWIDE	5/27/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees down across the county.
23	MARION CO.	EASTERN PARTS	1/4/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees down across eastern parts of the county.
24	MARION CO.	NEW MARKET	3/28/1997	Thunderstorm Wind	60	0	0	\$ 30,000.00	\$ -	A mobile home and several barns were destroyed in the New Market area.
25	MARION CO.	LEBANON	5/20/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
26	MARION CO.	LEBANON	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	MARION CO.	LEBANON	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	MARION CO.	RAYWICK	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	MARION CO.	RILEY	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
27	MARION CO.	LEBANON	6/13/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
28	MARION CO.	LEBANON	6/14/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
29	MARION (ZONE)		11/9/2000	High Wind	70	0	0	\$ 75,000.00	\$ -	
	MARION CO.	COUNTYWIDE	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
30	MARION CO.	LEBANON	6/4/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	
31	MARION CO.	LEBANON	7/8/2001	Thunderstorm Wind	60	0	0	\$ 25,000.00	\$ -	A tree was blown on to three cars.
32	MARION CO.	LEBANON	10/24/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	
33	MARION CO.	CALVARY	5/1/2002	Thunderstorm Wind	70	0	0	\$ -	\$ -	
34	MARION CO.	GRAVEL SWITCH	5/6/2002	Thunderstorm Wind	80	0	0	\$ 50,000.00	\$ -	Roofs were blown off a barn and a home.
35	MARION CO.	NEW MARKET	8/27/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree was blown down across Highway 289 at New Market. Numerous large limbs were blown down.
36	MARION CO.	LEBANON	11/10/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were blown on to Highway 55.
37	MARION CO.	GRAVEL SWITCH	5/5/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines were downed.
38	MARION CO.	PHILLIPSBURG	5/11/2003	Thunderstorm Wind	50	0	0	\$ 2,000.00	\$ -	Trees were downed and an outbuilding was destroyed.
39	MARION CO.	LEBANON	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
40	MARION CO.	LEBANON	11/18/2003	Thunderstorm Wind	70	0	0	\$ 100,000.00	\$ -	The sides of a large industrial storage building were blown in. A barn was blown down on Radio Station Road.
41	MARION CO.	LEBANON	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	
42	MARION CO.	COUNTYWIDE	5/27/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed.
	MARION CO.	COUNTYWIDE	5/27/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
53	MARION CO.	COUNTYWIDE	5/30/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Numerous trees and power lines were downed.
54	MARION CO.	COUNTYWIDE	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
55	MARION CO.	LEBANON	7/13/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
56	MARION CO.	GRAVEL SWITCH	5/19/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	
57	MARION CO.	LEBANON	3/9/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	
58	MARION CO.	LEBANON	4/7/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree was downed.
59	MARION CO.	LORETTO	5/28/2006	Thunderstorm Wind	65	0	0	\$ 10,000.00	\$ -	Trees were uprooted. Several metal outbuildings were destroyed.
60	MARION CO.	LORETTO	7/19/2007	Thunderstorm Wind	52	0	0	\$ -	\$ -	
61	MARION CO.	LEBANON	1/10/2008	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorm winds downed several trees.
62	MARION CO.	LEBANON	2/6/2008	Thunderstorm Wind	61	0	0	\$ 50,000.00	\$ -	Thunderstorm winds damaged a garage.
63	MARION CO.	NEW MARKET	6/9/2008	Thunderstorm Wind	61	0	0	\$ 25,000.00	\$ -	Barn blown down in St. Joseph.

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
64	MARION CO.	LORETTO	10/9/2009	Thunderstorm Wind	65	0	0	\$ -	\$ -	A NWS Survey Team found straight line wind damage beginning near West Marion Elementary School on HWY 49 just east of Loretto with some tree damage. The damage continued southeast to Sam Browning Road, where a feeding barn was destroyed and 50 cows were pinned against a wall. A 500 pound horse trailer was rolled 65 yards from west to east. On Cowherd Lane, two tobacco barns were partially destroyed along with two metal barns. There were also trees downed in a west-to-east orientation. The damage encompassed an area about four tenths of a mile wide and six miles long. No injuries were reported.
65	MARION (ZONE)		12/9/2009	High Wind	50	0	0	\$ -	\$ -	Strong gradient winds averaging 30 to 40 mph with occasional gusts up to 58 mph brought scattered power outages countywide.
66	MARION CO.	LEBANON	4/24/2010	Thunderstorm Wind	61	0	0	\$ -	\$ -	Trees and power lines were blown down. In addition windows were blown out of vehicles.
67	MARION CO.	LEBANON	8/14/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down and blocking W. Chandler St.
68	MARION CO.	LEBANON	10/26/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A co-op observer reported trees blown down in Lebanon.
69	MARION CO.	LEBANON	4/26/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A telephone pole was about to come down and the power line was down.
70	MARION CO.	LEBANON	8/18/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Lebanon law enforcement reported a power line down.
71	MARION CO.	ST MARY	9/4/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local Dispatch reported a tree down on State Highway 327 just outside of Lebanon.
72	MARION CO.	PENICKS	1/23/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Law enforcement reported that one tree was downed near Riley.
73	MARION CO.	BRADFORDSVILLE	7/1/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree fell, blocking a road in Bradfordsville.
74	MARION CO.	NEW MARKET	7/26/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree fell along State Highway 289 between Mill Dam and Ward's Branch Roads.
75	MARION CO.	GRAVEL SWITCH	6/26/2013	Thunderstorm Wind	52	0	0	\$ 1,000.00	\$ -	The Marion County emergency manager reported that the siding was ripped off one side of a residence located around 10 miles east of Lebanon. Several large limbs were also snapped.
76	MARION CO.	RAYWICK	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Marion County emergency manager reported a tree down across McCauley Road, which is located around 8 miles west of Lebanon.
	MARION CO.	LEBANON	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	Many large limbs were downed along Highway 208 just south of Lebanon.
77	MARION CO.	LORETTO	7/13/2013	Thunderstorm Wind	50	0	0	\$ -	\$ -	The Marian County emergency manager reported that a tree was toppled next to State Highway 49.
78	MARION CO.	PENICKS	6/26/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported a large tree was blown down due to severe thunderstorm winds.
	MARION CO.	LEBANON	6/26/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported a large tree was down on Montgomery Court due to severe thunderstorm winds.
79	MARION CO.	LEBANON	7/14/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Marion County law enforcement official reported trees and power lines down in the area from severe thunderstorm winds.
	MARION CO.	LEBANON	7/14/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported power lines down in the area.
80	MARION CO.	BELLTOWN	7/19/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Kentucky state official reported that severe thunderstorm winds brought down a large tree that blocked Highway 289.
81	MARION (ZONE)		4/2/2016	High Wind	52	0	0	\$ 5,000.00	\$ -	Nearby mesonet stations measured gusts between 50 and 60 mph. These high winds resulted in downed trees, power outages and other minor structural damage.

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
82	MARION CO.	LEBANON	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	State officials reported trees down in the area due to severe thunderstorm winds.
	MARION CO.	JESSIETOWN	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	State officials reported trees down near Highway 412 due to severe thunderstorm winds.
83	MARION CO.	CALVARY	3/1/2017	Thunderstorm Wind	53	0	0	\$ 50,000.00	\$ -	The Marion County emergency manager reported multiple barns destroyed along with sheet metal lodged in the trees.
84	MARION CO.	LEBANON	4/5/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Kentucky state officials reported trees down on Daugherty Avenue and Miller Pike.
85	MARION CO.	NURKES SPG	6/23/2017	Thunderstorm Wind	53	0	0	\$ 15,000.00	\$ -	Local law enforcement reported trees on a house on St. Rose Road.
	MARION CO.	LORETTO	6/23/2017	Thunderstorm Wind	54	0	0	\$ -	\$ -	
	MARION CO.	LORETTO	6/23/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trained spotters reported trees down in the area.
	MARION CO.	LEBANON	6/23/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Local law enforcement reported trees down across Horan Lane.
	MARION CO.	BRADFORDSVILLE	6/23/2017	Thunderstorm Wind	53	0	0	\$ 10,000.00	\$ -	A NWS Storm Survey concluded that a localized microburst caused damage to a small outbuilding and downed 4 hardwood trees. Winds were estimated around 60 mph.
86	MARION CO.	LORETTO	4/3/2018	Thunderstorm Wind	55	0	0	\$ 10,000.00	\$ -	Law enforcement reported power poles down in the area.
	MARION CO.	BRADFORDSVILLE	4/3/2018	Thunderstorm Wind	55	0	0	\$ 20,000.00	\$ -	Law enforcement reported 2 power poles down in Bradfordsville.
87	MARION CO.	LORETTO	5/31/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees reported down on Loretto Road.
	MARION CO.	LEBANON	5/31/2018	Thunderstorm Wind	54	0	0	\$ -	\$ -	There were numerous trees downed in Lebanon and in other parts of Marion County.
	MARION CO.	PENICKS	5/31/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	A tree fell and was blocking Hundley Lane.
88	MARION CO.	LEBANON	6/12/2018	Thunderstorm Wind	53	0	0	\$ 5,000.00	\$ -	Local media reported a tree split and a fence was blown down at a construction site in Lebanon.
89	MARION CO.	BELLTOWN	6/26/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a tree down on East Lovers Lane near US-68.
	MARION CO.	SALLEETOWN	6/26/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a tree down on Fisher Creek Road.
90	MARION CO.	LEBANON	8/7/2018	Thunderstorm Wind	54	0	0	\$ -	\$ -	There were multiple reports of trees down around the county.
91	MARION CO.	BRADFORDSVILLE	6/29/2020	Thunderstorm Wind	55	0	0	\$ -	\$ -	There were multiple trees down in the Bradfordsville area.
92	MARION CO.	ST MARY	7/12/2020	Thunderstorm Wind	50	0	0	\$ -	\$ -	Dispatch reported a tree down along Highway 412.
93	MARION CO.	GANDERTOWN	5/4/2021	Thunderstorm Wind	51	0	0	\$ -	\$ -	First responders responded to trees down on Nerinx Road at the county line.
	MARION CO.	NURKES SPG	5/4/2021	Thunderstorm Wind	55	0	0	\$ -	\$ -	There was a report of lots of trees down near Makers Mark Distillery.
94	MARION CO.	LEBANON	12/6/2021	Thunderstorm Wind	51	0	0	\$ -	\$ -	Trees and power lines were down across Boldrick Avenue near Woodlawn Avenue.
	MARION CO.	LEBANON	12/6/2021	Thunderstorm Wind	51	0	0	\$ -	\$ -	A tree was partially blocking Short Line Pike near 68 East.
95	MARION CO.	LORETTO	1/1/2022	Thunderstorm Wind	56	0	0	\$ -	\$ -	
	MARION CO.	ST MARY	1/1/2022	Thunderstorm Wind	74	0	0	\$ -	\$ -	A large section of roof blew off of a horse barn on Windy Lane.
96	MARION CO.	LEBANON	2/17/2022	Thunderstorm Wind	51	0	0	\$ -	\$ -	A tree blew down on North Street.
	MARION CO.	ST JOSEPH	4/13/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was roof damage to outbuildings on Frank Lee Road.
	MARION CO.	ST JOSEPH	4/13/2022	Thunderstorm Wind	56	0	0	\$ -	\$ -	Part of the roof was blown off a home on Sallie Ray Pike.
97	MARION CO.	PENICKS	4/13/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	There was a tree on power lines along Mays Chapel Road.
	MARION CO.	NEW MARKET	5/18/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	Property damage and fallen trees were reported along East Calvary Road near US 68.
	MARION CO.	BELLTOWN	5/18/2022	Thunderstorm Wind	51	0	0	\$ -	\$ -	A tree fell on a vehicle along Highway 289.
99	MARION CO.	BRADFORDSVILLE	7/20/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees were down along Highway 49 near Liberty Road.
		TOTALS:				0	0	\$ 988,000.00	\$ -	

Meade County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	Meade		1/21/1959	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	Meade		4/30/1962	Thunderstorm Wind	56	0	0	\$ -	\$ -	
3	Meade		5/10/1969	Thunderstorm Wind	50	0	0	\$ -	\$ -	
4	Meade		4/1/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	Meade		11/19/1970	Thunderstorm Wind	56	0	0	\$ -	\$ -	
6	Meade		5/6/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
7	Meade		6/4/1973	Thunderstorm Wind	0	0	0	\$ -	\$ -	
8	Meade		4/1/1974	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Meade		4/1/1974	Thunderstorm Wind	0	0	0	\$ -	\$ -	
9	Meade		11/10/1975	Thunderstorm Wind	0	0	0	\$ -	\$ -	
10	Meade		7/20/1981	Thunderstorm Wind	52	0	0	\$ -	\$ -	
11	Meade		5/21/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	Meade		6/8/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
13	Meade		6/26/1983	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	Meade		3/15/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	Meade		4/30/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
16	Meade		3/4/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
17	Meade		4/5/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
18	Meade		6/9/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
19	Meade		10/4/1986	Thunderstorm Wind	52	0	0	\$ -	\$ -	
20	Meade		6/13/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Meade		6/13/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Meade		6/13/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
21	Meade		7/5/1987	Thunderstorm Wind	69	0	0	\$ -	\$ -	
	Meade		7/5/1987	Thunderstorm Wind	52	0	0	\$ -	\$ -	
22	Meade		7/6/1987	Thunderstorm Wind	69	0	0	\$ -	\$ -	
23	Meade		6/12/1989	Thunderstorm Wind	0	0	0	\$ -	\$ -	
24	Meade		11/15/1989	Thunderstorm Wind	0	0	3	\$ -	\$ -	
25	Meade		5/15/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
26	Meade		5/16/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
27	Meade		6/6/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
28	Meade		9/11/1990	Thunderstorm Wind	69	0	0	\$ -	\$ -	
29	Meade		4/9/1991	Thunderstorm Wind	0	0	0	\$ -	\$ -	
30	Meade		7/30/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
31	Meade		11/14/1993	Thunderstorm Wind	0	0	0	\$ 5,000.00	\$ -	Several large trees were blown down just east of Brandenburg.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
32	Meade	Brandenburg	5/14/1995	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	Trees and power lines down. Mobile home off its foundation. Relayed by Department of Emergency Service.
	Meade	Flaherty	5/14/1995	Thunderstorm Wind	0	0	18	\$ -	\$ -	Mobile home park received substantial damage. Medical assistance was requested from surrounding counties for injuries. A total of 18 minor injuries was reported across the county. The total damage included a destroyed church and 656 damaged homes and businesses. The damage was attributed to downburst winds up to 120 mph with embedded weak F1 tornadoes not out of the question.
33	Meade	Wolf Creek	7/23/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Numerous large trees down.
34	Meade	GARRETT	7/2/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	DES reports a few trees and numerous power lines down.
	Meade	FLAHERTY	7/2/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	DES reports a few trees and numerous power lines down.
35	Meade	GARRETT	6/13/1997	Thunderstorm Wind	60	0	0	\$ -	\$ -	Several trees uprooted.
36	Meade	BRANDENBURG	7/14/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees down in Brandenburg and Paynesburg.
37	Meade	PAYNEVILLE	5/20/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
38	Meade	FLAHERTY	5/31/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
39	Meade	FLAHERTY	6/10/1998	Thunderstorm Wind	60	0	0	\$ 50,000.00	\$ -	Straight line wind damage was reported by spotters and DES. 3 trailers were destroyed and 19 damaged in Flaherty, otherwise, trees and power lines were down.
40	Meade	WOLF CREEK	6/12/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
41	Meade		11/10/1998	High Wind		1	5	\$ 10,000.00	\$ -	
42	Meade	BRANDENBURG	2/27/1999	Thunderstorm Wind		0	3	\$ 30,000.00	\$ -	Two trailers were destroyed, and 4 were damaged. Trees and power lines downed.
43	Meade	FLAHERTY	6/28/1999	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees down
44	Meade	BRANDENBURG	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
	Meade	FLAHERTY	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
45	Meade	BRANDENBURG	8/9/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were reported down across much of North Central and East Central Kentucky.
46	Meade	COUNTYWIDE	8/24/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed by thunderstorm winds. Some of the trees were blown on to power lines.
47	Meade	BRANDENBURG	9/20/2000	Thunderstorm Wind	100	0	0	\$ -	\$ -	Telephone poles were snapped by thunderstorm winds.
48	Meade	DOE VLY ESTATES	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
49	Meade	BATTLETOWN	10/24/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	
50	Meade	BRANDENBURG	4/28/2002	Thunderstorm Wind	80	0	0	\$ -	\$ -	Numerous trees were downed, and there was unspecified structural damage along Highway 60. Telephone poles were also downed.
51	Meade	BRANDENBURG	9/20/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed by thunderstorm winds.
52	Meade	WOLF CREEK	11/10/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines were downed.
53	Meade	FLAHERTY	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
54	Meade	PAYNEVILLE	9/27/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
55	Meade	BRANDENBURG	5/25/2004	Thunderstorm Wind	65	0	0	\$ 7,000.00	\$ -	A semi trailer was blown over. Also many trees were downed.
	Meade	BRANDENBURG	5/25/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Trees were downed.
56	Meade	GARRETT	5/27/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines were downed.
57	Meade	WOLF CREEK	5/30/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines were downed.
58	Meade	MULDRAUGH	7/4/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Power lines were downed around Otter Creek Park.
	Meade	GARRETT	7/4/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
59	Meade	COUNTYWIDE	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees were downed.
60	Meade	BRANDENBURG	7/13/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Power lines were blown down.
	Meade	DOE VLY ESTATES	7/13/2004	Thunderstorm Wind	65	0	0	\$ -	\$ -	Numerous trees were downed. Docks were damaged, and boats were missing on Doe Valley Lake.
61	Meade	BRANDENBURG	7/22/2004	Thunderstorm Wind	55	0	0	\$ -	\$ -	Several large trees were downed.
	Meade	BATTLETOWN	7/22/2004	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter estimated a 60 mph wind gust.
62	Meade	MULDRAUGH	6/14/2005	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	Trees and power lines were blown down. One tree was blown on to a mobile home. There was other unspecified building damage.
63	Meade	DOE VLY ESTATES	7/22/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	
64	Meade	GARRETT	8/20/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	Isolated severe thunderstorms produced tree damage over parts of central Kentucky.
65	Meade	BATTLETOWN	11/6/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	
66	Meade	COUNTYWIDE	4/2/2006	Thunderstorm Wind	55	0	0	\$ -	\$ -	Trees and power lines were downed.
67	Meade	COUNTYWIDE	5/25/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
68	Meade	EKRON	6/19/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	
69	Meade	BRANDENBURG	7/21/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
70	Meade	DOE VLY ESTATES	7/19/2007	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed in Otter Creek Park.
71	Meade	BATTLETOWN	10/18/2007	Thunderstorm Wind	60	0	0	\$ 5,000.00	\$ -	A building along Big Bend Road sustained roof damage. Several trees were downed.
	Meade	FLAHERTY	10/18/2007	Thunderstorm Wind	60	0	1	\$ 10,000.00	\$ -	A tree was blown on to a house. One person was injured.
72	Meade	WOLF CREEK	1/29/2008	Thunderstorm Wind	65	0	0	\$ 200,000.00	\$ 75,000.00	Six barns were damaged by thunderstorm winds. Out of that number, two were destroyed.
	Meade	PAYNEVILLE	1/29/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds downed trees and power lines.
	Meade	MULDRAUGH	1/29/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds downed trees down on US Highway 31W in the Muldraugh Hill area.
73	Meade	BRANDENBURG	7/20/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees and power lines were reported down at the intersection of Highways 448 and 1638.
74	Meade		9/14/2008	High Wind	52	0	0	\$ -	\$ -	Trees were reported down in Flaherty. One large tree was blocking highway 144 at Flaherty.
75	Meade	RHODELIA	6/3/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	Numerous trees were downed in Rhodelia and a roof was blown off a hay barn on Popham Road.
	Meade	GUSTON	6/3/2009	Thunderstorm Wind	60	0	0	\$ -	\$ -	A tree was downed and laying on Highway 60 near the Breckinridge County line.
76	Meade	FLAHERTY	6/18/2009	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree fell on a house near Fort Knox.
77	Meade	BATTLETOWN	10/26/2010	Thunderstorm Wind	54	0	0	\$ -	\$ -	A trained spotter reported a measured gust of 62 mph.
	Meade	BRANDENBURG	10/26/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down along Bud Wilson Rd.
78	Meade	EKRON	3/23/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Two utility poles were blown down near the intersection of Hwy. 710 and Fred Fackler Rd.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
79	Meade	BRANDENBURG	4/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down.
80	Meade	MULDRAUGH	4/23/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was blown down on US 31W.
81	Meade	BATTLETOWN	6/19/2011	Thunderstorm Wind	60	0	0	\$ -	\$ -	Several trees were downed along Big Bend Road near Battletown.
	Meade	FLAHERTY	6/19/2011	Thunderstorm Wind	60	0	0	\$ -	\$ -	Several trees were downed on Coleman Road in eastern Meade County.
82	Meade	BRANDENBURG	6/22/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	An off duty employee estimated a 60 mph wind gust.
83	Meade	MIDWAY	2/29/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter estimated 60 mph winds. Several large branches were downed.
	Meade	BRANDENBURG	2/29/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Brandenburg fire department reported that a metal shed was destroyed.
84	Meade	BRANDENBURG	3/2/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	
85	Meade	MIDWAY	3/15/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Kentucky Mesonet site recorded a wind gust of 60 mph.
86	Meade	SIROCCO	5/29/2012	Thunderstorm Wind	55	0	0	\$ 25,000.00	\$ -	A spotter reported that trees had fallen on two homes near the intersection of Kentucky State Highway 144 and Sirocco Road. He mentioned that two barns were damaged as well.
	Meade	DOE VLY ESTATES	5/29/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A NWS employee reported trees were down along Kentucky State Highway 1638 close to the Doe Valley subdivision.
87	Meade	BATTLETOWN	5/31/2012	Thunderstorm Wind	50	0	0	\$ -	\$ -	The local media reported that a six inch diameter branch was snapped by thunderstorm winds.
88	Meade	BRANDENBURG	7/8/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported dime sized hail and several trees that had fallen across some power lines in Brandenburg.
89	Meade	BRANDENBURG	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported numerous trees down between Battletown and Brandenburg.
90	Meade	BRANDENBURG	7/27/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was toppled by thunderstorm winds in Brandenburg. Widespread power outages developed city wide.
	Meade	FLAHERTY	7/27/2012	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	The Flaherty fire department reported a tree that fell on a home.
91	Meade	EKRON	9/7/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported several trees and power lines down across central Meade County.
	Meade	EKRON	9/7/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Meade County emergency manager reported power lines down near Ekron.
92	Meade	BATTLETOWN	1/30/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported that a line of storms downed several trees in the Battletown area.
93	Meade	BRANDENBURG	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter in Brandenburg reported several large limbs downed.
	Meade	BRANDENBURG	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported trees down in Brandenburg.
94	Meade	BRANDENBURG	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement noted numerous trees and power lines downed across the county.
95	Meade	CONCORDIA	4/7/2015	Thunderstorm Wind	68	0	0	\$ 100,000.00	\$ -	An NWS team storm survey found that straight line winds of 75 to 80 mph caused damage east of Concordia, including downed trees and structural damage.
	Meade	LODALE	4/7/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Law enforcement reported roof damage to a home and to outbuildings on Battletown Road.
96	Meade	GARRETT	6/21/2015	Thunderstorm Wind	52	0	0	\$ 3,000.00	\$ -	A Kentucky state official reported that power lines were down due to severe thunderstorm winds.
	Meade	GARRETT	6/21/2015	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	A Meade County official reported that trees and power lines were down east and and southeast of Ekron.

Count	County	Location	Date	Event Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
97	Meade	FLAHERTY	6/26/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported a tree down on Old Highway 144.
	Meade	FLAHERTY	6/26/2015	Thunderstorm Wind	52	0	0	\$ 1,000.00	\$ -	The Meade County emergency manager reported power lines down on Saint Martin Road near Flaherty.
	Meade	ROCK HAVEN	6/26/2015	Thunderstorm Wind	52	0	0	\$ 1,000.00	\$ -	The Meade County emergency manager reported that power lines were down on Rock Ridge Road due to severe thunderstorm winds.
	Meade	MULDRAUGH	6/26/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Meade County emergency manager reported trees down on Dewy Street in Muldraugh.
98	Meade		4/2/2016	High Wind	52	0	0	\$ -	\$ -	The public reported trees down due to wind gusts estimated between 55 and 60 mph at Otter Creek Campground.
99	Meade	BRANDENBURG	4/27/2016	Thunderstorm Wind	52	0	0	\$ 5,000.00	\$ -	A Meade County official reported trees and power lines down in the area.
100	Meade	GUSTON	11/18/2017	Thunderstorm Wind	53	0	0	\$ 20,000.00	\$ -	Trained spotters reported home damage due to severe thunderstorm winds.
101	Meade	ROCK HAVEN	5/31/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	There were several trees reported down in the eastern part of the county.
102	Meade	SIROCCO	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees down in the area due to severe thunderstorm winds.
103	Meade	ANDYVILLE	7/20/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	There was a tree reported down on State Road 144.
	Meade	MIDWAY	7/20/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a tree down on Highway 79.
	Meade	BRANDENBURG STATION	7/20/2018	Thunderstorm Wind	54	0	0	\$ 15,000.00	\$ -	A tree blew down knocking out power to several in the area.
104	Meade	ANDYVILLE	9/8/2018	Thunderstorm Wind	52	0	0	\$ 15,000.00	\$ -	Law enforcement reported a power line down near Concordia.
105	Meade	PAYNEVILLE	12/31/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	Trees were reported down on Fackler Road near Payneville, Kentucky.
106	Meade	EKRON	5/1/2019	Thunderstorm Wind	52	0	0	\$ 10,000.00	\$ -	Power lines were reported down.
107	Meade	BRANDENBURG	6/30/2019	Thunderstorm Wind	54	0	0	\$ -	\$ -	A tree was reported down at Quail Run Road and Garrett Road.
108	Meade	MIDWAY	4/13/2022	Thunderstorm Wind	55	0	0	\$ -	\$ -	Trees and power lines were down on Blair Road.
109	Meade	WOLF CREEK	5/19/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were blown down along Paradise Bottom Road in northern Meade County.
110	Meade	ANDYVILLE	7/28/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	There were two trees down along Liberty Road.
		TOTALS:				1	30	\$ 592,000.00	\$ 75,000.00	

Nelson County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Event Type	Magnitude	Deaths	Injuries	Damage Property	Damage Crops	Event Narrative
1	Nelson		7/2/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	Nelson		4/1/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
3	Nelson		7/3/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
4	Nelson		6/22/1974	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	Nelson		10/1/1977	Thunderstorm Wind	0	0	0	\$ -	\$ -	
6	Nelson		6/7/1980	Thunderstorm Wind	52	0	0	\$ -	\$ -	
7	Nelson		7/2/1980	Thunderstorm Wind	0	0	0	\$ -	\$ -	
8	Nelson		4/10/1981	Thunderstorm Wind	0	0	0	\$ -	\$ -	
9	Nelson		6/15/1982	Thunderstorm Wind	0	0	0	\$ -	\$ -	
10	Nelson		3/15/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
11	Nelson		7/6/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	Nelson		7/11/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Nelson		7/11/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
13	Nelson		3/4/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	Nelson		5/7/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Nelson		5/7/1986	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	Nelson		6/12/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
16	Nelson		6/15/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
	Nelson		6/15/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
17	Nelson		7/5/1987	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Nelson		7/5/1987	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Nelson		7/5/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
18	Nelson		7/6/1987	Thunderstorm Wind	52	0	0	\$ -	\$ -	
	Nelson		7/6/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
19	Nelson		4/3/1989	Thunderstorm Wind	61	0	0	\$ -	\$ -	
20	Nelson		11/15/1989	Thunderstorm Wind	0	0	0	\$ -	\$ -	
21	Nelson		5/16/1990	Thunderstorm Wind	0	0	0	\$ -	\$ -	
22	Nelson		7/2/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
23	Nelson		7/30/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
24	Nelson		2/21/1993	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	Sixty-mph winds were reported in Bardstown. Trees and power lines were blown down.
25	Nelson	Near Chaplin	5/10/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Tree limbs downed reported by off duty National Weather Service employee.
	Nelson	Near Chaplin	5/10/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Trees limbs down reported by National Weather Service employee.
26	Nelson		5/14/1995	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	A car catches fire and is totaled when a tree is blown down the car. The driver managed to escape.
	Nelson	New Haven	5/14/1995	Thunderstorm Wind	0	0	0	\$ 50,000.00	\$ -	Three roofs damaged by thunderstorm winds.
27	Nelson	Bardstown	5/18/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Bardstown police reports several trees down.
28	Nelson		6/9/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Large trees reported down.

Count	County	Location	Date	Event Type	Magnitude	Deaths	Injuries	Damage Property	Damage Crops	Event Narrative
29	Nelson		7/15/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Trees down across roads near Bardstown. Report from Bardstown Police Department.
30	Nelson		7/23/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Lightning destroyed a two-story home.
31	Nelson	COUNTYWIDE	5/5/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down across the county.
32	Nelson	COUNTYWIDE	5/24/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees down across the county. Report from DES.
33	Nelson	NEW HAVEN	4/4/1997	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines down.
34	Nelson	COXS CREEK	4/16/1998	Thunderstorm Wind	60	0	0	\$ 10,000.00	\$ -	Several roofs blown off houses and numerous trees down. Report relayed from local television station.
35	Nelson	BARDSTOWN	5/20/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
36	Nelson	BARDSTOWN	5/24/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	Dispatch reported trees and power lines down and a storage building destroyed in Hardinsburg.
37	Nelson	BOSTON	5/31/1998	Thunderstorm Wind	60	0	0	\$ 5,000.00	\$ -	Taylor, Nelson, Henry, Oldham and Clark counties all had some property damage due to thunderstorm winds with barns destroyed, trees falling on cars and mobile home damage. Reports were from DES, spotters and the public.
	Nelson	BARDSTOWN	5/31/1998	Thunderstorm Wind	52	0	0	\$ -	\$ -	Taylor, Nelson, Henry, Oldham and Clark counties all had some property damage due to thunderstorm winds with barns destroyed, trees falling on cars and mobile home damage. Reports were from DES, spotters and the public.
38	Nelson	COXS CREEK	6/10/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	Straight line wind damage was reported by spotters and DES. 3 trailers were destroyed and 19 damaged in Flaherty, otherwise, trees and power lines were down.
39	Nelson	BARDSTOWN	6/14/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
40	Nelson	BARDSTOWN	6/22/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
41	Nelson	BARDSTOWN	6/28/1999	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
42	Nelson	COUNTYWIDE	1/3/2000	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees down
43	Nelson	WOODLAWN	4/20/2000	Thunderstorm Wind	50	0	0	\$ 2,000.00	\$ -	A barn was damaged and several trees were downed.
44	Nelson	BARDSTOWN	8/8/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	
45	Nelson	BARDSTOWN	8/9/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	
46	Nelson	BARDSTOWN	9/20/2000	Thunderstorm Wind	60	0	0	\$ 10,000.00	\$ -	A tree was blown on to a house in northern Bardstown.
47	Nelson	NEW HAVEN	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
48	Nelson	BARDSTOWN	5/17/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed.
	Nelson	BOSTON	5/17/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed.
49	Nelson	COXS CREEK	7/8/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed as a line of thunderstorms moved through central Kentucky. There was some property damage as trees were blown on to vehicles. A section of steel roof was peeled off a hangar at the Louisville International Airport. There was one report of hail at Clintonville in Bourbon County.
50	Nelson	BARDSTOWN	8/23/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were down over central Kentucky. Trees were blown on to vehicles in Paris in Bourbon County. Also in Paris, a mobile home was blown over.
51	Nelson	BOTLAND	10/24/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	Elsewhere in Central Kentucky, there were numerous reports of trees and power lines downed by thunderstorm winds.
52	Nelson	COXS CREEK	3/29/2002	Thunderstorm Wind	65	0	0	\$ -	\$ -	Trees were blown down.
53	Nelson	NEW HOPE	4/28/2002	Thunderstorm Wind	75	0	0	\$ -	\$ -	Telephone poles were downed.

Count	County	Location	Date	Event Type	Magnitude	Deaths	Injuries	Damage Property	Damage Crops	Event Narrative
54	Nelson	BOTLAND	5/2/2002	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees were downed.
55	Nelson	WOODLAWN	8/2/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees and power lines were downed near Woodlawn and Bardstown in Nelson County.
	Nelson	BARDSTOWN	8/2/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees and power lines were downed near Woodlawn and Bardstown in Nelson County.
	Nelson	BARDSTOWN	8/2/2002	Thunderstorm Wind	52	0	0	\$ -	\$ -	Numerous trees and power lines were downed near Woodlawn and Bardstown in Nelson County.
	Nelson	BARDSTOWN	8/2/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees and power lines were downed near Woodlawn and Bardstown in Nelson County.
56	Nelson	BARDSTOWN	5/5/2003	Thunderstorm Wind	60	0	0	\$ -	\$ -	Power lines and large limbs were downed.
	Nelson	BARDSTOWN	5/5/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Large limbs were blown down.
57	Nelson	BARDSTOWN	5/11/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were blown down on to power lines.
58	Nelson	DEATSVILLE	8/4/2003	Thunderstorm Wind	60	0	0	\$ 5,000.00	\$ -	A wooden structure at the entrance to a cemetery was blown down.
59	Nelson	COUNTYWIDE	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
60	Nelson	COXS CREEK	5/26/2004	Thunderstorm Wind	60	0	0	\$ -	\$ -	Besides the structural damage, trees and power lines were downed over much of central Kentucky.
61	Nelson	BARDSTOWN	5/30/2004	Thunderstorm Wind	52	0	0	\$ -	\$ -	
62	Nelson	BARDSTOWN	6/13/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
63	Nelson	BOSTON	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	Numerous trees were downed.
	Nelson	BARDSTOWN	7/5/2004	Thunderstorm Wind	60	0	0	\$ 10,000.00	\$ -	Part of a barn roof was blown off. Trees were downed.
64	Nelson	BARDSTOWN	7/13/2004	Thunderstorm Wind	61	0	0	\$ -	\$ -	An off duty NWS employee estimated a 70 mph wind gust.
	Nelson	BARDSTOWN	7/13/2004	Thunderstorm Wind	61	0	0	\$ -	\$ -	Trees were blown down. A spotter estimated a 70 mph wind gust.
65	Nelson	BOSTON	5/19/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	
66	Nelson	CHAPLIN	6/14/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	
67	Nelson	BARDSTOWN	8/5/2005	Thunderstorm Wind	65	0	0	\$ 25,000.00	\$ -	Several cars were damaged in a parking lot. Two sheds were destroyed.
68	Nelson	BARDSTOWN	8/7/2005	Thunderstorm Wind	50	0	0	\$ -	\$ -	A sixteen year old boy was struck by lightning while horseback riding. Both the rider and the horse were killed. Elsewhere over north central Kentucky, thunderstorm winds downed trees, some blocking roadways.
69	Nelson	COUNTYWIDE	3/9/2006	Thunderstorm Wind	52	0	0	\$ -	\$ -	A series of upper level disturbances moved along a surface warm frontal boundary. This produced lines of severe thunderstorms that crossed Central Kentucky. Trees and power lines were downed over much of the area, in addition to reports of structural damage.
70	Nelson	BOSTON	6/22/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Thunderstorms downed trees and power lines, and produced large hail over much of central Kentucky.
71	Nelson	BARDSTOWN	7/21/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree was downed.
72	Nelson	HIGHGROVE	8/10/2006	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter estimated a 60 mph wind gust.
73	Nelson	BARDSTOWN	8/20/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
74	Nelson	BARDSTOWN	4/3/2007	Thunderstorm Wind	52	0	0	\$ -	\$ -	
75	Nelson	COXS CREEK	4/11/2007	Thunderstorm Wind	60	0	0	\$ 5,000.00	\$ -	Trees were downed and a garage sustained roof damage.
76	Nelson	BARDSTOWN	6/23/2007	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed.
77	Nelson	BARDSTOWN	6/27/2007	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees and power lines were downed.
78	Nelson	BARDSTOWN	7/19/2007	Thunderstorm Wind	60	0	0	\$ -	\$ -	
79	Nelson	BOSTON	1/29/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds downed numerous trees and power lines.
	Nelson	BARDSTOWN	1/29/2008	Thunderstorm Wind	60	0	0	\$ 5,000.00	\$ -	Thunderstorm winds downed several trees. Some were blocking road, and one was on a car.

Count	County	Location	Date	Event Type	Magnitude	Deaths	Injuries	Damage Property	Damage Crops	Event Narrative
80	Nelson	BLOOMFIELD	2/6/2008	Thunderstorm Wind	60	0	0	\$ -	\$ -	Thunderstorm winds downed power lines.
81	Nelson	BARDSTOWN	6/22/2008	Thunderstorm Wind	61	0	0	\$ -	\$ -	Trees downed all across Bardstown.
82	Nelson	BARDSTOWN	7/8/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported down in Bardstown along U.S. Highway 62.
	Nelson	CHAPLIN	7/8/2008	Thunderstorm Wind	61	0	0	\$ -	\$ -	Several trees were downed along Lawrenceburg Road 3 miles northeast of Chaplin.
83	Nelson		2/11/2009	High Wind	52	0	0	\$ -	\$ -	Power lines were reported down in Bardstown.
84	Nelson	NAZARETH	2/27/2009	Thunderstorm Wind	51	0	0	\$ -	\$ -	
85	Nelson	BARDSTOWN	8/4/2010	Thunderstorm Wind	55	0	0	\$ -	\$ -	Several trees were blown down- mainly on the northern side of Bardstown.
86	Nelson	FAIRFIELD	9/7/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	The state highway department reported several large limbs had to be removed from KY 652 and KY 1392 in Fairfield.
	Nelson	BLOOMFIELD	9/7/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	Broadcast media reported estimated gusts of 60 mph.
	Nelson	COXS CREEK	9/7/2010	Thunderstorm Wind	61	0	0	\$ 10,000.00	\$ -	The roof of a 30 foot by 40 foot block building was ripped off and thrown, along with large cinder blocks. Also, a large shed was thrown about 70 feet across a resident's yard.
87	Nelson	BLOOMFIELD	10/26/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Nelson county highway dept. reported trees down around Bloomfield on Highways 162 and 62.
88	Nelson	BALLTOWN	4/9/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Large tree limbs and power poles were blown down.
89	Nelson	BARDSTOWN	4/20/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were down in the city of Bardstown.
90	Nelson	BARDSTOWN	4/26/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A few electrical outages were reported and a couple of trees were down in the Bardstown city limits.
91	Nelson	HIGHGROVE	7/19/2011	Thunderstorm Wind	52	0	0	\$ 3,000.00	\$ -	A downburst brought some minor roof damage to a home near High Grove. Many limbs were downed nearby.
92	Nelson	BARDSTOWN	8/13/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Isolated large hail and damaging winds to Bardstown. Local Emergency Management reported several trees and power lines downed across Bardstown. An off duty NWS employee reported one inch hail and 60 mph winds. Strong winds damaged a hanger's door and tore some trim from the Old Terminal Building at the Nelson County Airport.
93	Nelson	HIGHGROVE	1/17/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported that some shingles were lost from his roof. An 8 in diameter tree was downed.
94	Nelson	BALLTOWN	3/2/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	
95	Nelson	BOURBON SPGS	5/4/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported many large branches downed. He estimated a peak wind gust of 60 mph.
96	Nelson	BOSTON	7/18/2012	Thunderstorm Wind	61	0	0	\$ 40,000.00	\$ -	A strong downburst near the Nelson Bullitt County line brought severe damage to two mobile homes, a barn, and several trees.
	Nelson	GREENBRIER	7/18/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Bardstown rescue unit reported several trees downed along Balltown Road 6 miles south of Bardstown.
97	Nelson	CHAPLIN	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported trees down along State Highway 458 around 4 miles east of Bloomfield.
	Nelson	BARDSTOWN ARPT	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Two trees fell along Templin Avenue just north of Bardstown.
	Nelson	BOTLAND	7/19/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported a tree down along Greer Lane.
98	Nelson	CHAPLIN	7/26/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local emergency management reported that several trees were downed by thunderstorm winds just east of Chaplin along Lawrenceburg Road.
99	Nelson	CHAPLIN	7/1/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A spotter reported several downed trees and limbs in excess of 6 inches in diameter.

Count	County	Location	Date	Event Type	Magnitude	Deaths	Injuries	Damage Property	Damage Crops	Event Narrative
100	Nelson	CRAVENS	7/10/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported a tree down along the 6000 block of Old Boston Road, which is around 2 miles west of Old Boston Road.
101	Nelson	WOODLAWN	8/12/2013	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Coop observer reported several trees down. A county dispatcher confirmed that power lines were down and several homes were stuck by lightning.
102	Nelson	BARDSTOWN	12/21/2013	Thunderstorm Wind	63	0	0	\$ -	\$ -	The local media relayed a report of a 72 mph wind gust in Bardstown.
103	Nelson	BARDSTOWN	4/27/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported several trees downed near Bardstown. Trees were toppled near South Kennett Avenue, Barton Road, and Edelen Avenue.
104	Nelson	BARDSTOWN	7/26/2014	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported several trees and power lines down in Bardstown and other locations around the county.
105	Nelson	CULVERTOWN	6/26/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	According to a public report, trees were down across the area due to severe thunderstorm winds.
106	Nelson	COXS CREEK	7/7/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A Nelson County law enforcement official reported that a large tree fell down blocking the roadway. Also, several other large tree limbs were down as a result of severe thunderstorm winds.
	Nelson	BARDSTOWN	7/7/2015	Thunderstorm Wind	83	0	0	\$ 100,000.00	\$ -	A NWS storm survey determined that a small microburst impacted Nelson County with the strongest winds estimated to be 95 mph. This resulted in the roofs of a bourbon warehouse facility to be blown off.
107	Nelson	BOURBON SPGS	7/10/2015	Thunderstorm Wind	52	0	0	\$ 30,000.00	\$ -	The Nelson County emergency manager reported that a roof was blown off a house on Hwy 31E between Bardstown and Cox's Creek.
108	Nelson	BOSTON	7/14/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	A law enforcement official reported trees and power lines down in the area from severe thunderstorms.
109	Nelson		4/2/2016	High Wind	54	0	0	\$ -	\$ -	A privately owned weather station in Fairfield measured a 62 mph wind gust.
110	Nelson	SAMUELS	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trained spotters reported tree limbs down in the area.
	Nelson	SAMUELS	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter estimated 60 mph wind gusts.
111	Nelson	BARDSTOWN	5/11/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported down across the county.
112	Nelson	BOURBON SPGS	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported a tree blocking Old Nazareth Road.
	Nelson	BARDSTOWN	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported trees down in Bardstown.
113	Nelson	BARDSTOWN	7/7/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local broadcast media reported a large tree uprooted in the area due to severe thunderstorm winds.
114	Nelson	FAIRFIELD	7/28/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported a large tree down across Kentucky Highway 48.
115	Nelson	COXS CREEK	3/1/2017	Thunderstorm Wind	55	0	0	\$ 40,000.00	\$ -	Trained spotters reported severe thunderstorm winds brought down utility poles.
	Nelson	BARDSTOWN	3/1/2017	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local broadcast media reported that severe thunderstorm winds stripped off large tree limbs around a house.
	Nelson	BLOOMFIELD	3/1/2017	Thunderstorm Wind	52	0	0	\$ -	\$ -	The public reported trees uprooted due to severe thunderstorm winds.
116	Nelson	BARDSTOWN	4/30/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	State officials reported trees down on Highway 62 near Stephen Foster Avenue.
117	Nelson	BLOOMFIELD	6/18/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Local law enforcement reported downed trees blocking the road near the intersection of Highway 62 and Highway 55.
118	Nelson	BALLTOWN	6/23/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Local law enforcement reported trees snapped in the Balltown area.
	Nelson	CULVERTOWN	6/23/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Local law enforcement reported multiple trees down across the southern part of Nelson County.
119	Nelson	HOWARDSTOWN	4/3/2018	Thunderstorm Wind	55	0	0	\$ -	\$ -	State officials reported trees down in the area.
120	Nelson	BLOOMFIELD	5/31/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Several trees and limbs were reported down in the northeastern part of the county.

Count	County	Location	Date	Event Type	Magnitude	Deaths	Injuries	Damage Property	Damage Crops	Event Narrative
121	Nelson	BLOOMFIELD	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Public reported a tree down in the area.
122	Nelson	BOSTON	6/12/2018	Thunderstorm Wind	53	0	0	\$ 5,000.00	\$ -	A small shed was destroyed due to severe thunderstorm winds.
123	Nelson	EARLY TIMES	6/26/2018	Thunderstorm Wind	53	0	0	\$ 15,000.00	\$ -	A power line was reported down at Woodlawn Road and Spencer Mattingly Lane.
124	Nelson	BOURBON SPGS	7/5/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	A tree blew down at Plum Run Road and US 31 E in Bardstown.
	Nelson	BLOOMFIELD	7/5/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reported to have blown down in the area.
125	Nelson	CHAPLIN	7/20/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Law enforcement reported trees down near Old Tunnel Mill Road.
	Nelson	EAST BARDSTOWN	7/20/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	There were trees down near Woodlawn Road.
126	Nelson	BOSTON	10/31/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees fell and were blocking Boston Road near the Hardin County line.
	Nelson	NAZARETH	10/31/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were reportedly blocking Virginia Avenue.
127	Nelson	COXS CREEK	3/25/2021	Thunderstorm Wind	50	0	0	\$ -	\$ -	A large tree branch fell and destroyed a trampoline.
128	Nelson	BLOOMFIELD	6/21/2021	Thunderstorm Wind	53	0	0	\$ -	\$ -	Dispatch reported that a couple of trees were down on the 800 block of Taylorsville Road.
129	Nelson	BOSTON	6/22/2022	Thunderstorm Wind	53	0	0	\$ -	\$ -	There was a portion of a roof removed from a distillery.
130	Nelson	BALLTOWN	8/6/2022	Thunderstorm Wind	51	0	0	\$ -	\$ -	There were a couple of trees down.
		TOTALS:				0	0	\$ 470,000.00	\$ -	

Washington County Severe Thunderstorm Wind/Straight-Line Wind Events, Types, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
1	WASHINGTON CO.		7/2/1968	Thunderstorm Wind	0	0	0	\$ -	\$ -	
2	WASHINGTON CO.		9/8/1970	Thunderstorm Wind	0	0	0	\$ -	\$ -	
3	WASHINGTON CO.		5/6/1971	Thunderstorm Wind	0	0	0	\$ -	\$ -	
4	WASHINGTON CO.		5/23/1973	Thunderstorm Wind	0	0	0	\$ -	\$ -	
5	WASHINGTON CO.		3/29/1974	Thunderstorm Wind	0	0	0	\$ -	\$ -	
6	WASHINGTON CO.		9/28/1974	Thunderstorm Wind	0	0	0	\$ -	\$ -	
7	WASHINGTON CO.		3/4/1979	Thunderstorm Wind	0	0	0	\$ -	\$ -	
8	WASHINGTON CO.		6/22/1979	Thunderstorm Wind	0	0	0	\$ -	\$ -	
9	WASHINGTON CO.		6/7/1980	Thunderstorm Wind	0	0	0	\$ -	\$ -	
10	WASHINGTON CO.		3/15/1984	Thunderstorm Wind	52	0	0	\$ -	\$ -	
11	WASHINGTON CO.		7/6/1984	Thunderstorm Wind	0	0	0	\$ -	\$ -	
12	WASHINGTON CO.		6/10/1985	Thunderstorm Wind	0	0	0	\$ -	\$ -	
13	WASHINGTON CO.		6/15/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
14	WASHINGTON CO.		7/5/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
15	WASHINGTON CO.		7/6/1987	Thunderstorm Wind	0	0	0	\$ -	\$ -	
16	WASHINGTON CO.		5/16/1990	Thunderstorm Wind	69	0	0	\$ -	\$ -	
17	WASHINGTON CO.		4/9/1991	Thunderstorm Wind	0	0	0	\$ -	\$ -	
18	WASHINGTON CO.		7/2/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
19	WASHINGTON CO.		10/8/1992	Thunderstorm Wind	0	0	0	\$ -	\$ -	
20	WASHINGTON CO.	Springfield	6/9/1995	Thunderstorm Wind	0	0	0	\$ -	\$ -	Sixty mph winds downed power lines.
21	WASHINGTON CO.	WILLISBURG	4/20/1996	Thunderstorm Wind	60	0	0	\$ 1,000.00	\$ -	A mobile home was slightly damaged due to straight-line winds.
22	WASHINGTON CO.	MAUD	8/2/1996	Thunderstorm Wind	50	0	0	\$ -	\$ -	Several trees down.
23	WASHINGTON CO.	SPRINGFIELD	5/20/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
24	WASHINGTON CO.	SPRINGFIELD	5/31/1998	Thunderstorm Wind	52	0	0	\$ -	\$ -	
25	WASHINGTON CO.	SPRINGFIELD	6/14/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
26	WASHINGTON CO.	WILLISBURG	6/22/1998	Thunderstorm Wind	50	0	0	\$ -	\$ -	
27	WASHINGTON CO.	COUNTYWIDE	1/17/1999	Thunderstorm Wind		0	0	\$ 15,000.00	\$ -	Trailer split in two
28	WASHINGTON CO.	MOORESVILLE	4/20/2000	Thunderstorm Wind	70	0	0	\$ 35,000.00	\$ -	A shed housing farm equipment and a barn were destroyed.
	WASHINGTON CO.	COUNTYWIDE	4/20/2000	Thunderstorm Wind	70	0	1	\$ 120,000.00	\$ -	Two trailers were completely destroyed west of Willisburg, with one person injured. Several barns were destroyed, and house windows were blown out.
29	WASHINGTON CO.	COUNTYWIDE	9/20/2000	Thunderstorm Wind	60	0	0	\$ -	\$ -	
30	WASHINGTON CO.	TEXAS	11/9/2000	Thunderstorm Wind	70	0	0	\$ 30,000.00	\$ -	
	WASHINGTON CO.	COUNTYWIDE	11/9/2000	Thunderstorm Wind	70	0	0	\$ -	\$ -	
31	WASHINGTON CO.	SPRINGFIELD	6/6/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	
32	WASHINGTON CO.	WILLISBURG	7/8/2001	Thunderstorm Wind	60	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
33	WASHINGTON CO.	SPRINGFIELD	3/29/2002	Thunderstorm Wind	65	0	0	\$ -	\$ -	Trees were downed and electric power was knocked out.
	WASHINGTON CO.	COUNTYWIDE	3/29/2002	Thunderstorm Wind	75	0	0	\$ 75,000.00	\$ -	Widespread wind damage was reported around the county. Two barns and two silos were destroyed. Power lines were downed.
34	WASHINGTON CO.	WILLISBURG	8/2/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	
35	WASHINGTON CO.	COUNTYWIDE	8/5/2002	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed by thunderstorm winds.
36	WASHINGTON CO.	MACKVILLE	5/11/2003	Thunderstorm Wind	60	0	0	\$ 50,000.00	\$ -	Thunderstorm wind destroyed a barn, ripped shingles off a house, and did unspecified damage to a car.
37	WASHINGTON CO.	SPRINGFIELD	7/10/2003	Thunderstorm Wind	60	0	0	\$ -	\$ -	Trees and power lines were downed. Funnel clouds were spotted, but there was no indication of a tornado touchdown.
38	WASHINGTON CO.	SPRINGFIELD	8/22/2003	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	WASHINGTON CO.	MACKVILLE	8/22/2003	Thunderstorm Wind	80	0	0	\$ 125,000.00	\$ -	A barn was blown on to Cardwell Road. Another barn collapsed on Kelly Shop Road. The roof was blown off a mobile home on Cardwell Road.
39	WASHINGTON CO.	SPRINGFIELD	7/5/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree and some large limbs were downed.
40	WASHINGTON CO.	SPRINGFIELD	8/4/2004	Thunderstorm Wind	50	0	0	\$ -	\$ -	
41	WASHINGTON CO.	SPRINGFIELD	6/14/2005	Thunderstorm Wind	55	0	0	\$ -	\$ -	
42	WASHINGTON CO.	COUNTYWIDE	3/9/2006	Thunderstorm Wind	50	0	0	\$ -	\$ -	
	WASHINGTON CO.	SPRINGFIELD	3/9/2006	Thunderstorm Wind	60	0	0	\$ 20,000.00	\$ -	The roof was blown off a barn in Springfield.
43	WASHINGTON CO.	FREDRICKTOWN	4/11/2007	Thunderstorm Wind	50	0	0	\$ -	\$ -	Trees were downed on the highway.
44	WASHINGTON CO.	SPRINGFIELD	6/8/2007	Thunderstorm Wind	60	0	0	\$ 50,000.00	\$ -	A garage was damaged along Highway 152 east of Springfield. Numerous trees were downed in Springfield and elsewhere in Washington County. Power was out to much of the city of Springfield for two hours after the storm passed.
45	WASHINGTON CO.	MACKVILLE	6/9/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees down across Tick Road.
	WASHINGTON CO.	WILLISBURG	6/9/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees down across the county.
46	WASHINGTON CO.	SHARPSVILLE	7/20/2008	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trees were downed across the northeast portion of Washington County.
47	WASHINGTON CO.	SPRINGFIELD	6/11/2009	Thunderstorm Wind	50	0	0	\$ -	\$ -	Power lines were downed off Lincoln Park Road just outside of Springfield.
	WASHINGTON CO.	MACKVILLE	6/11/2009	Thunderstorm Wind	50	0	0	\$ -	\$ -	Small tree limbs were downed.
	WASHINGTON CO.	FENWICK	6/11/2009	Thunderstorm Wind	65	0	0	\$ -	\$ -	A barn roof was blown off on Tick Creek Road off HWY 152 between Springfield and Mackville. A two by four was also driven into the ground.
48	WASHINGTON CO.	SPRINGFIELD	4/24/2010	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was reported down and blocking a road.
49	WASHINGTON CO.	ST CATHERINE	4/20/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was down and blocking Hwy. 55.
50	WASHINGTON CO.	MAUD	5/23/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Numerous trees were blown down along Highway55.
51	WASHINGTON CO.	SPRINGFIELD	6/19/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	Several trees were downed along Depot Street and 150 Valley Hill Road in the town of Springfield.
52	WASHINGTON CO.	WILLISBURG	8/8/2011	Thunderstorm Wind	52	0	0	\$ -	\$ -	A trained spotter relayed a HAM radio report that several trees were downed in the Willisburg Area.
53	WASHINGTON CO.	WILLISBURG	7/1/2012	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Washington County road crew reported trees downed near State Highways 142 and 43.
54	WASHINGTON CO.	PLEASANT GROVE	4/7/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Transportation officials reported a large tree was knocked down due to thunderstorm winds over Thurman Lane, north of Springfield.
	WASHINGTON CO.	MACKVILLE	4/7/2015	Thunderstorm Wind	52	0	0	\$ -	\$ -	Transportation officials reported trees down on Hall Lane west southwest of Mackville.

Count	County	Location	Date	Type	Magnitude (Knots)	Deaths	Injuries	Property Damage	Crop Damage	Event Narrative
55	WASHINGTON (ZONE)		4/2/2016	High Wind	52	0	0	\$ 5,000.00	\$ -	Estimated wind gusts were between 50 and 60 mph and this resulted in downed trees, power outages and other minor structural damage.
56	WASHINGTON CO.	ST CATHERINE	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Local law enforcement reported trees down in the area.
	WASHINGTON CO.	WILLISBURG	5/10/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	Trained spotters reported trees down in the area.
57	WASHINGTON CO.	SPRINGFIELD	5/11/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	A tree was reported down on Maplewood Avenue in Springfield.
58	WASHINGTON CO.	ST CATHERINE	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	State officials reported trees down in the area due to severe thunderstorm winds.
	WASHINGTON CO.	FREDRICKTOWN	6/23/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	State officials reported trees down in the area due to severe thunderstorm winds.
59	WASHINGTON CO.	WILLISBURG	7/8/2016	Thunderstorm Wind	52	0	0	\$ -	\$ -	The Washington County emergency manager reported trees down in the Willisburg area.
60	WASHINGTON CO.	WILLISBURG	3/27/2017	Thunderstorm Wind	70	0	0	\$ 75,000.00	\$ -	A one-half mile long area of straight-line wind damage was surveyed southwest of Willisburg. The most significant damage was to a sturdy Amish school house that lost part of its roof, and to a nearby home that had lost the vertical supports to its front porch when the roof briefly lifted. Several trees were also downed and minor roof damage occurred to two outbuildings.
	WASHINGTON CO.	WILLISBURG	3/27/2017	Thunderstorm Wind	65	0	0	\$ 15,000.00	\$ -	The southwest corner of a large, well-constructed barn was blown in, with several roofing panels removed.
61	WASHINGTON CO.	PULLIAM	4/30/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	The public reported trees down in the area.
62	WASHINGTON CO.	ST CATHERINE	6/23/2017	Thunderstorm Wind	53	0	0	\$ -	\$ -	Washington County officials reported multiple trees down across the county.
63	WASHINGTON CO.	BRUSH GROVE	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Tree reported down on Polin Road.
	WASHINGTON CO.	CARDWELL	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Tree down on Cardwell Road.
	WASHINGTON CO.	MOORESVILLE	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees down on Hayes Lane.
	WASHINGTON CO.	KIRKLAND	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Multiple trees down in the area due to severe thunderstorm winds.
	WASHINGTON CO.	BATTLE	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees down on Rush Run Lane.
	WASHINGTON CO.	CARDWELL	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	Trees down on Cardwell Road.
	WASHINGTON CO.	MOORESVILLE	6/11/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a tree down on Hayes Lane.
	WASHINGTON CO.	POLIN	6/11/2018	Thunderstorm Wind	52	0	0	\$ -	\$ -	There was a tree reported down on Polin Road.
	WASHINGTON CO.	BATTLE	6/11/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	There was a tree down on Rush Run Road.
	WASHINGTON CO.	KIRKLAND	6/11/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	State officials reported multiple trees down in the area.
64	WASHINGTON CO.	PULLIAM	7/5/2018	Thunderstorm Wind	51	0	0	\$ -	\$ -	A couple of trees blew down on Brush Grove Road near Willisburg.
65	WASHINGTON CO.	ST CATHERINE	7/20/2018	Thunderstorm Wind	53	0	0	\$ -	\$ -	There were trees down at Bardstown Road and Highway 152.
66	WASHINGTON CO.	CARDWELL	3/14/2019	Thunderstorm Wind	54	0	0	\$ 20,000.00	\$ -	A barn blew down on Caldwell Road in north Washington County, Kentucky.
67	WASHINGTON CO.	PULLIAM	4/8/2020	Thunderstorm Wind	53	0	0	\$ -	\$ -	There was structural and tree damage along Brush Grove Road.
68	WASHINGTON CO.	ST CATHERINE	7/12/2020	Thunderstorm Wind	53	0	0	\$ -	\$ -	Dispatch reported trees down 1 mile north of 150.
	WASHINGTON CO.	PLEASANT GROVE	7/12/2020	Thunderstorm Wind	51	0	0	\$ -	\$ -	Dispatch reported trees down on Thurman Road.
69	WASHINGTON CO.	WILLISBURG	7/20/2020	Thunderstorm Wind	50	0	0	\$ -	\$ -	A tree blew down in Willisburg.
70	WASHINGTON CO.	SPRINGFIELD	8/13/2021	Thunderstorm Wind	50	0	0	\$ -	\$ -	Three small trees fell down.
71	WASHINGTON CO.	ST CATHERINE	5/6/2022	Thunderstorm Wind	52	0	0	\$ -	\$ -	A large tree was blown down on State Route 55 near Shay Lane.
		TOTALS:				0	1	\$ 636,000.00	\$ -	

Probability of Severe Thunderstorm (Wind) as a Function of Frequency

As justified above, the period-of-record for severe thunderstorm events begins in 1955 and spans to the end of 2022.

January 1, 1955 to December 31, 2022 represents:

- 68 years, or
- 816 months, or
- 24,836 days.

Below is a table summarizing the frequency of occurrence for the severe thunderstorm hazard for each of the eight (8) counties comprising the Lincoln Trail Area Development District. Frequency of occurrence is the measure for “probability” used in this analysis.

Regarding the numerator, it should be noted that severe thunderstorm events that occur on the same day are not counted twice, thrice, or multiple times.

Summary of Number of Severe Thunderstorm Events Per County

County	Number of Severe Thunderstorm Events
Breckinridge County	124
Grayson County	108
Hardin County	169
LaRue County	84
Marion County	99
Meade County	110
Nelson County	130
Washington County	71

Using the information from the severe thunderstorm summary of number of events per county comprising the Lincoln Trail Area Development District, the following table calculates an average frequency of occurrence that informs the expectations (probability) for future severe thunderstorm events:

Probability of Severe Thunderstorm as a Function of Frequency

County	# of Events	# of Months	# Events Per Month	Average One Event Every "x" Months ¹	Conversational Translation ²
Breckinridge County	124	816	0.1519607843	6.581	6 Months and 17 Days
Grayson County	108	816	0.1323529412	7.556	7 Months and 17 Days
Hardin County	169	816	0.2071078431	4.828	4 Months and 25 Days
LaRue County	84	816	0.1029411765	9.714	9 Months and 21 Days
Marion County	99	816	0.1213235294	8.242	8 Months and 7 Days
Meade County	110	816	0.1348039216	7.418	7 Months and 13 Days
Nelson County	130	816	0.1593137255	6.277	6 Months and 8 Days
Washington County	71	816	0.0870098039	11.493	11 Months and 15 Days

¹ Calculated either by flipping the numerator and denominator, e.g., 816 months/44 events, or by dividing one (1) by the number of events per month, e.g., $[1/(44 \text{ events}/816 \text{ months})]$.

² Calculated as follows:

- If the "average one event per 'x' months exceeds 12 (i.e., one year), then divide the value by 12 months and multiply the resulting partial by 12 months.
- If the "average one event per 'x' months" is less than 12 (i.e., less than one year), then multiply the partial by 30 days.

Tornado Risk Assessment Appendix

The data to satisfy the previous occurrence, location, type, extent, and impacts requirements of 44 CFR §201.6 for the severe thunderstorm hazard derives from the National Centers for Environmental Information (NCEI) and its Storm Events database. The Storm Events database is populated using National Weather Service (NWS) data collected from self-reports provided through a variety of means.

It is best-available data.

The data spans 1950-2022 (i.e., the end of 2022). See the “Database Details” from the NCEI Storm Events database (<https://www.ncdc.noaa.gov/stormevents/details.jsp>):

“From 1950 through 1954, only tornado events were recorded...From 1955 through 1992, only tornado, thunderstorm wind and hail events were keyed from the paper publications into digital data. From 1993 to 1995, only tornado, thunderstorm wind and hail events have been extracted from the Unformatted Text Files...From 1996 to present, 48 event types are recorded as defined in [NWS Directive 10-1605](#).”

Breckinridge County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent, Impacts: Event Narrative
1	Breckinridge			4/3/1974	Tornado	F5	0	13	\$ 2,500,000.00	\$ -	
2	Breckinridge			5/30/1979	Tornado	F1	0	0	\$ 25,000.00	\$ -	
3	Breckinridge			6/6/1990	Tornado	F0	0	0	\$ 25,000.00	\$ -	
4	Breckinridge	New Bethel		5/18/1995	Tornado	F2	0	0	\$ 500,000.00	\$ -	Tornado damaged some homes. Mobile Home parks was damaged, a McDonald's roof and a Kroger's roof were damaged.
5	Breckinridge	Cloverport	Cloverport	4/28/2002	Tornado	F2	1	7	\$ 750,000.00	\$ -	The tornado crossed into central Breckinridge County from Perry County, IN. The tornado lifted periodically as it crossed eastern Breckinridge County, and reached the Irvington area around 0325 EST. A 52 year old male was killed in a mobile home in Irvington. Seven people were injured. A few homes were destroyed and numerous homes were damaged. Two homes had their roofs torn off. Numerous trees were uprooted, and many outbuildings were destroyed. The tornado was estimated at F2 intensity, with spots of F3 damage.
6	Breckinridge	Holt	Holt	5/8/2003	Tornado	F0	0	0	\$ -	\$ -	The tornado occurred in a forested and sparsely populated area near the Ohio River. A few shallow rooted trees were uprooted. Numerous trees were topped and branches were snapped.
7	Breckinridge	Hardinsburg	Hardinsburg	6/12/2004	Tornado	F0	0	0	\$ 100,000.00	\$ -	A tornado touched down just east of Old U.S. Highway 60 in Hardinsburg near the Breckinridge County Emergency Management Center. It damaged many trees along a path toward Meadowside Apartments. There was roof damage to several apartments in two complexes. The tornado tore the porch off a church. It overturned a mobile home on Cody Lane. There was also some structural and tree damage nearby caused by straight line winds. Only minor injuries were reported.
8	Breckinridge	Rosetta	Rosetta	10/18/2007	Tornado	EF2	0	0	\$ 300,000.00	\$ -	The EF-2 tornado began one mile east northeast of Stinnettsville, and moved to the northeast through Rosetta, where most of the damage occurred. A church was destroyed. A nearby home lost a large section of roof. Two large outbuildings were destroyed. A 16 foot trailer was moved and wrapped around a tree. Winds moved a 4500 pound tractor seven feet. A pickup truck was thrown 75 feet and flipped over. Numerous trees along the tornado path were uprooted or snapped.
9	Breckinridge	Hardinsburg	Hardinsburg	10/9/2009	Tornado	EF0	0	0	\$ -	\$ -	The tornado damaged several mobile homes on Lyons-Daughtery Road and snapped several trees. Near the intersection of O Alexander Road an old tobacco barn was completely destroyed. The tornado continued down O Alexander Road and destroyed another old barn. Trees near the end of the road were snapped and the tornado lifted shortly thereafter. Maximum winds were estimated to be 85 mph. There were no injuries or fatalities.
10	Breckinridge	Big Spring	Big Spring	5/21/2010	Tornado	EF1	0	0	\$ 25,000.00	\$ -	An NWS storm survey and interviews with residents confirmed a tornado touched down at approximately 828 PM EDT just west of Big Springs. A large barn suffered significant roof and wall damage resulting in the tornado to be rated EF-1 here with 85-90 mph winds. Additional damage to hardwood trees was noted along Highway 333 south. The tornado appeared to be skipping along the path at this time. The tornado lifted above the community of Big Springs, then touched down again along High Plains Road before lifting again. It then touched down again along Rineyville-Big Springs road in Harding county where it damaged a double wide mobile home. The damage at this location was consistent with EF-0 tornado damage with winds of 80-85 mph.
11	Breckinridge	Mystic	Raymond	4/19/2011	Tornado	EF0	0	0	\$ -	\$ -	A NWS storm survey confirmed an EF-0 tornado with wind speeds estimated to be 65-80 mph touched down in Breckinridge county. The tornado lifted in several locations along the 11 mi. path, with the greatest width of 50 yards. The tornado continued into Meade county where it last lifted 4 miles west of Brandenburg. In Breckinridge county the damage was mainly to trees that were snapped or uprooted.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent, Impacts: Event Narrative
12	Breckinridge	Harned	Harned	6/19/2011	Tornado	EF2	0	0	\$ 50,000.00	\$ -	The tornado first touched down at the west end of H Wilson Road as an EF-0, where around one dozen trees were snapped and uprooted. A barn collapsed when an oak tree fell on it. At the intersection of State Highway 79 and H Wilson Road, EF-2 damage occurred when a roof was torn from a home and thrown 60 yards. A 30 by 50 foot barn was thrown 200 yards and metal sheeting was thrown 300 yards. Several power poles were found leaning over State Highway 79. This tornado dissipated after snapping and uprooting several trees between State Highway 79 and Harned Locust Hill Road.
	Breckinridge	Locust Hill	Locust Hill	6/19/2011	Tornado	EF0	0	0	\$ 5,000.00	\$ -	This weak EF-0 Tornado was only briefly on the ground. Along Route 1401, winds estimated at 80 mph tore roof panels off of a large well constructed barn and threw them 200 yards.
13	Breckinridge	Cloverport	Sample	3/2/2012	Tornado	EF2	0	0	\$ 150,000.00	\$ -	This tornado originally touched down 7 miles west of Cloverport in Hancock County. It crossed into Breckinridge County around one mile west of Cloverport and had an intermittent 10 mile track, bringing the total path length across both counties to 17 miles. The twister lifted just west of Cloverport and touched down again just east of town, uprooting numerous soft and hardwood trees. The tornado strengthened to an EF-2 as it destroyed two homes on New Bethel-Cloverport Road. Farther east, near B Flood Road, several other structures received EF-1 damage. Several chicken farms had major damage with a significant loss of poultry. Just before lifting east of Route 269, the tornado downed several trees and did additional damage to a metal structure.
14	Breckinridge	Graysville	Graysville	5/10/2016	Tornado	EF1	0	0	\$ 100,000.00	\$ -	A very narrow intense damage path of rotating winds 90 to 95 mph was embedded within a 3 mile wide area of straight line winds in eastern Breckinridge County. The tornado left a distinct path in the vegetation and destroyed a part of a large metal barn near the Rosetta General Store. It also caused the walls of 2 adjacent outbuildings and a garage to buckle out. Wind-driven hail occurring with the storm shredded the vinyl siding on the west side of a home.
15	Breckinridge	Falls of Rough	Falls of Rough	12/10/2021	Tornado	EF1	0	0	\$ -	\$ -	This tornado is a continuation of the western Kentucky (Mayfield) tornado and will go down as the longest continuous tornado track on record in the Commonwealth of Kentucky at 163 miles (plus another two miles in Tennessee). This tornado developed in Obion County, Tennessee near Woodland Mills Road before tracking to the northeast through western Kentucky and on into central Kentucky (see Storm Data from the Memphis, Tennessee and the Paducah, Kentucky offices for more information on the beginning portion of this tornado). The tornado finally came to an end in Grayson County, Kentucky at Rough River Dam State Park. This is the second of five segments of this tornado in the Louisville, Kentucky County Warning Area. The tornado arrived in Breckinridge County, crossed Schneider Road, and damaged a cattle barn and trees, before entering Grayson County.
	Breckinridge	Falls of Rough	Falls of Rough	12/10/2021	Tornado	EF1	0	0	\$ -	\$ -	This tornado is a continuation of the western Kentucky (Mayfield) tornado and will go down as the longest continuous tornado track on record in the Commonwealth of Kentucky at 163 miles (plus another two miles in Tennessee). This tornado developed in Obion County, Tennessee near Woodland Mills Road before tracking to the northeast through western Kentucky and on into central Kentucky (see Storm Data from the Memphis, Tennessee and the Paducah, Kentucky offices for more information on the beginning portion of this tornado). This is the fourth of five segments of this tornado in the Louisville, Kentucky County Warning Area. The tornado finally came to an end in Grayson County, Kentucky at Rough River Dam State Park. The tornado continued onward crossing Highway 110, going over a ridgetop and snapping more trees. More extensive tree damage occurred as the tornado briefly paralleled another portion of the Rough River as it crossed Old Railroad Bed Road.
16	Breckinridge	Rosetta	Bewleyville	3/18/2022	Tornado	EF0	0	0	\$ -	\$ -	NWS Storm Survey Team found EF-0 tornado damage in eastern Breckinridge County. The tornado touched down just north of Rosetta and continued northeastward toward Bewleyville. The most notable damage was done along Bewleyville-Rosetta Road where a small outbuilding was destroyed and strewn across a field. Tree damage was also observed with soft and hard wood trees being snapped. The tornado then lifted near Nelson Board Road.
		TOTALS:					1	20	\$ 4,530,000.00	\$ -	

Grayson County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Grayson			1/21/1959	Tornado	F3	3	0	\$ 250,000.00	\$ -	
2	Grayson			5/7/1961	Tornado	F3	0	0	\$ 2,500,000.00	\$ -	
3	Grayson			1/24/1964	Tornado	F1	0	0	\$ -	\$ -	
4	Grayson			4/21/1972	Tornado	F3	0	4	\$ 250,000.00	\$ -	
5	Grayson			4/3/1974	Tornado	F4	0	2	\$ 250.00	\$ -	
6	Grayson			3/29/1989	Tornado	F2	0	0	\$ 2,500,000.00	\$ -	
7	Grayson	Leitchfield	Leitchfield	5/23/2000	Tornado	F3	0	16	\$ 50,000,000.00	\$ -	A storm survey was done by NWS personnel on Wednesday May 24. The survey found severe damage to residential and industrial structures. Three vortices combined into a single tornado north of Leitchfield, then moved east to southeast at 40 to 45 mph. The path moved through the northeast and east sections of Leitchfield and beyond. (Path length and width are estimated). The structural damaged evidenced the presence of an F3 tornado, with maximum winds around 175 mph. Houses that were virtually destroyed, but still had parts of their structure remaining above the main floor, were the basis of the F3 evaluation. Severe damage to nearby factories also supported the F3 evaluation.
8	Grayson	Neafus	Ready	4/4/2011	Tornado	EF1	0	0	\$ -	\$ -	An NWS storm survey confirmed an EF-1 tornado began at the Butler/Grayson County line just north of Dog Creek Road and ended near the intersection of J. D. Hudson Road and Coats Road. Winds reached 100 mph along its 3 mile long and 125 yard wide path. The storm cut a very narrow path through trees immediately west of KY 79 near Gracie Lane, with a number of trees snapped and uprooted. One of the trees along Gracie Lane fell on power lines, tearing them down. Metal roofing on a barn was blown off and pushed a few hundred yards downwind into the woods. A small well-constructed shed was pushed over onto its side, and another small shed was destroyed. In addition a nearby house had its metal roof blown off. The tornado may have begun to skip intermittently through some woods east of KY 79 as only a few trees lost some limbs near the intersection of Delmar Lindsey Lane and Lawrence Hayes Road. However, just to the east of this location, along Coats Road, a metal outbuilding was destroyed consistent with EF-1 damage.
	Grayson	Caneyville	Caneyville	4/4/2011	Tornado	EF1	0	0	\$ -	\$ -	An NWS storm survey confirmed an EF-1 tornado touched down in Caneyville and lifted a mile east of Caneyville, with a path width of 200 yards and wind speeds to 100 mph. The funnel reached the ground near the intersection of North Main Street and River Park Drive where a tree was blown down onto a restaurant. Next to that location a baseball field had the metal roofs blown off the cinder block dugout with a number of cinder blocks blown several feet east of the dugout. A few trees were snapped as well. About half a mile to the east along US 62 at the Caneyville Milling Company three large empty metal grain bins were moved off their foundations causing damage to nearby objects. A mobile home had its metal roof blown off into a nearby pond and insulation was blown along the ground and into a couple of trees. A tractor trailer was blown over and several trees were uprooted or snapped.
9	Grayson	Tar Hill	Tar Hill	4/26/2011	Tornado	EF2	0	0	\$ -	\$ -	An NWS storm survey confirmed an EF-2 tornado with maximum wind speeds between 120 and 125 mph touched down in Grayson county along Danny Sadler Rd. On Danny Sadler Road a single wide trailer was destroyed and farm equipment was thrown 50 yards. The tornado continued to the northeast for approximately 2.7 miles before lifting in Hardin county near Burkhead Ln. Elsewhere along the path numerous large hardwood trees were snapped and uprooted. Numerous barns and outbuildings were destroyed with their siding thrown 500 yards. A new 24 foot travel trailer was destroyed. Fifteen homes had major roof damage.
	Grayson	Tar Hill	Tar Hill	4/26/2011	Tornado	EF0	0	0	\$ -	\$ -	An NWS storm survey confirmed that an EF-0 tornado with maximum winds of 75 mph touched down just south of Danny Sadler Rd. The tornado was on the ground for less than a minute and it was a secondary circulation just south of the parent tornado. Trees were snapped and uprooted along its path and power lines were blown down.
10	Grayson	West Clifty	Lacon	2/29/2012	Tornado	EF2	0	1	\$ 50,000.00	\$ -	The tornado began as a narrow tornado east of Clarkson just south of Highway 224. The storm increased in width to 200 yards and struck several single and double wide mobile homes south of Millerstown Road. All three mobile homes became airborne, with one traveling over 400 yards. One manufactured home, with a man inside, was thrown 50 feet into a tree and fence. The victim was medically airlifted to Louisville. The tornado next struck a large area of softwood and hardwood trees before striking a solid brick home just west of Horntown with the roof removed and exterior walls either damaged or destroyed. The tornado damaged the Horntown convenience store damaging the roof. During the end of the tornado's life cycle it narrowed and bounced striking several trees and knocking over several cemetery headstones, plus it uprooted 2 large trees at the Little Clifty United Methodist Church just west of Lacon. The tornado lifted in a grove of trees about 250 yards east of the church.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
11	Grayson	Lilac	Lilac	4/3/2018	Tornado	EF1	0	0	\$ 300,000.00	\$ -	The tornado touched down near several large metal outbuildings destroying two and heavily damaging two others. Insulation from the largest building was spattered on to south and east facing walls and vehicles on the east side of the complex. Metal roofing material was lofted into nearby trees and spread up to a quarter of a mile to the east. Beyond this initial touchdown area, only minor roof damage and tree damage - both uprooted trees and snapped trunks- occurred before the tornado lifted 1/2 mile to the east on Childress Road.
12	Grayson	West Clifty	West Clifty	3/25/2021	Tornado	EF0	0	0	\$ -	\$ -	The National Weather Service conducted the storm survey. A bow echo passed through Grayson County and quickly spun up just south of Clarkson. It dropped a very brief tornado at 3900 Millerstown Road. A large 30ft x 40ft garage was mostly destroyed. A large beam from the garage was thrown into the sidewall of the home residence adjacent to the garage. The house also sustained some minor roof, siding, and gutter damage. Across the street, a one-story family residence sustained roof and shingle damage with one of the front windows blown out. Debris from the garage and one-story family residence was thrown up to a quarter-mile eastward into the forest. There were a couple of snapped and uprooted trees in the forest, but the most impressive damage was just beyond the small wooded area where a very noticeable ground grinding swirl could be seen across the farmers field. It measured approximately 40 yards wide, which was seen very clearly from a NWS aerial drone. There were no signs of any damage beyond the farmers field, where the swirls ended abruptly.
13	Grayson	Yeaman	Hickory Corner	12/10/2021	Tornado	EF1	0	0	\$ -	\$ -	This tornado is a continuation of the western Kentucky (Mayfield) tornado and will go down as the longest continuous tornado track on record in the Commonwealth of Kentucky at 163 miles (plus another two miles in Tennessee). This tornado developed in Obion County, Tennessee near Woodland Mills Road before tracking to the northeast through western Kentucky and on into central Kentucky (see Storm Data from the Memphis, Tennessee and the Paducah, Kentucky offices for more information on the beginning portion of this tornado). The tornado finally came to an end in Grayson County, Kentucky at Rough River Dam State Park. This is the third of five segments of this tornado in the Louisville, Kentucky County Warning Area. As the tornado entered Grayson County, the path crossed the Rough River about 1 mile WNW of the Lafayette Golf Club. The tornado snapped several hardwood trees in this area before moving almost a half mile across an open flood plain. The tornado then continued northeast through a heavily wooded area, continuing to snap and uproot hardwood trees along the path. There some strong EF-1 intensity damage happened in a development area a mile north of the Falls of Rough State Resort where intense snarling of a cluster of hardwood trees was indicative of winds just over 100 mph. A well built structure was mostly spared as an inflow vortex fed into the main tornado path around the southeast side of the house. Extensive tree damage occurred in this area where over 100 hardwood trees were snapped and uprooted.
	Grayson	Hickory Corner	Hickory Corner	12/10/2021	Tornado	EF0	0	0	\$ -	\$ -	This tornado is a continuation of the western Kentucky (Mayfield) tornado and will go down as the longest continuous tornado track on record in the Commonwealth of Kentucky at 163 miles (plus another two miles in Tennessee). This tornado developed in Obion County, Tennessee near Woodland Mills Road before tracking to the northeast through western Kentucky and on into central Kentucky (see Storm Data from the Memphis, Tennessee and the Paducah, Kentucky offices for more information on the beginning portion of this tornado). The tornado finally came to an end in Grayson County, Kentucky at Rough River Dam State Park. This is the fifth of five segments of this tornado in the Louisville, Kentucky County Warning Area. The tornado travelled another 1 mile to 1.5 miles to a large boat storage facility on the Falls of Rough Road. The boat facility was heavily damaged due to winds easily tearing apart open boat storage structures. Large debris from these structures was scattered 300 yards across Falls of Rough Road and a runway. Power lines were also taken down along Falls of Rough Road. Damage ended just shy of the Rough River Dam Resort State Park on the western Banks of Rough River Lake.
		TOTALS:					3	23	\$ 55,850,250.00	\$ -	

Hardin County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Hardin			1/24/1964	Tornado	F1	0	0	\$ 25,000.00	\$ -	
	Hardin			1/24/1964	Tornado	F1	0	0	\$ 25,000.00	\$ -	
2	Hardin			3/29/1974	Tornado	F2	0	8	\$ 250,000.00	\$ -	
3	Hardin	Elizabethtown	Elizabethtown	4/3/1974	Tornado	F4	2	57	\$ 250,000.00	\$ -	
4	Hardin			10/1/1977	Tornado	F2	0	0	\$ 250,000.00	\$ -	
5	Hardin			3/12/1986	Tornado	F1	0	0	\$ 250,000.00	\$ -	
6	Hardin			7/11/1986	Tornado	F1	0	1	\$ 25,000.00	\$ -	
7	Hardin	Fort Knox		5/14/1995	Tornado		0	0	\$ -	\$ -	HAM radio operator reports a tornado.
	Hardin	Cecilia		5/14/1995	Tornado	F1	0	0	\$ -	\$ -	Brief tornado touchdown relayed by HAM radio operator. Intensity probably F1.
8	Hardin	Radcliff		5/18/1995	Tornado	F2	0	0	\$ 500,000.00	\$ -	Tornado sighted at Fort Knox. Several buildings damaged.
9	Hardin	Rineyville	Colesburg	3/28/1997	Tornado	F1	0	0	\$ 2,000,000.00	\$ -	
10	Hardin	Radcliff	Radcliff	4/28/2002	Tornado	F1	0	0	\$ 150,000.00	\$ -	Two homes had their roofs torn off. There was minor structural damage to 24 other homes. Numerous trees were uprooted. Tornado intensity was estimated at F1 with spots of F2 damage.
11	Hardin	Rineyville	Rineyville	5/11/2003	Tornado	F2	0	5	\$ 1,000,000.00	\$ -	The tornado formed southwest of Rineyville near Highway 1375. It then skipped across the countryside and reached the town of Rineyville. The tornado then moved about 3 miles northeast of Rineyville and dissipated. It did not appear to be on the ground for the entire duration. Embedded in the tornado path was significant straight line wind damage. An estimated 40 homes were damaged or destroyed. Many of the heavily damaged structures were mobile homes.
12	Hardin	Cecilia	Cecilia	1/2/2006	Tornado	F2	0	0	\$ 2,000,000.00	\$ -	
13	Hardin	Flint Hill	Flint Hill	5/2/2006	Tornado	F0	0	0	\$ -	\$ -	A line of thunderstorms produced an F0 tornado that did some tree damage over southern Hardin County.
14	Hardin	Franklin Crossroads	Martin Box	2/6/2008	Tornado	EF2	0	0	\$ 3,000,000.00	\$ -	The tornado destroyed a trailer and an outbuilding along Hansborough Road. It caused major roof damage along Bethlehem Academy Road, with one home losing the roof completely. Several boats were flipped over, and a large bus was pushed two feet. The tornado pushed in garage doors at an industrial building along Ring Road. This building also suffered significant roof damage. At Central Hardin High School, the tornado snapped concrete pillar stadium lights at the football stadium. The press box was thrown on to the playing field and destroyed. The basketball gym and a wing of the school suffered roof damage consistent with an EF2 tornado. Along Black Branch Road just east of the school complex, the tornado caused some structural damage to homes.
	Hardin	Tunnel Hill	Tunnel Hill	2/6/2008	Tornado	EF2	0	0	\$ 150,000.00	\$ -	The tornado knocked a trailer off its foundation at the intersection of Miller Road and Porter Lane. Another trailer near this location was completely destroyed. Another trailer along Miller Road was turned on to its roof.
15	Hardin	North Four Corners	North Four Corners	5/21/2010	Tornado	EF0	0	0	\$ 10,000.00	\$ -	An NWS storm survey and interviews with residents confirmed a tornado touched down at approximately 828 PM EDT just west of Big Springs. A large barn suffered significant roof and wall damage resulting in the tornado to be rated EF-1 here with 85-90 mph winds. Additional damage to hardwood trees was noted along Highway 333 south. The tornado appeared to be skipping along the path at this time. The tornado lifted above the community of Big Springs, then touched down again along High Plains Road before lifting again. It then touched down again along Rineyville-Big Springs road in Harding county where it damaged a double wide mobile home. The damage at this location was consistent with EF-0 tornado damage with winds of 80-85 mph.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
16	Hardin	Solway	Solway	4/26/2011	Tornado	EF0	0	0	\$ -	\$ -	An NWS storm survey confirmed an EF-2 tornado with maximum wind speeds between 120 and 125 mph touched down in Grayson county along Danny Sadler Rd. The tornado was weakening as it crossed into Hardin county. Here is was rated an EF-0 with estimated winds of 80 mph. Multiple trees were snapped or uprooted. The tornado lifted just west of Burkhead Ln.
	Hardin	Glendale Junction	Glendale Junction	4/26/2011	Tornado	EF1	0	0	\$ -	\$ -	An NWS storm survey confirmed an EF-1 tornado with maximum wind speeds of 100 to 105 mph touched down about 2 miles east-northeast of Glendale. The tornado formed just west of Interstate 65 and crossed the highway, the Hardin County Fairgrounds, and lifted just east of the intersection of First Union Church Road and Sportsman Lake Road. On the fairgrounds the tornado struck a large livestock barn as well as the fairground's restaurant. The roof of the restaurant was thrown westward on top of a livestock barn. Metal siding was thrown 250 yards and several trees were snapped and uprooted. Near the end of the path there was roof damage to a one story house as well as downed power lines.
17	Hardin	Glendale	Elizabethtown	2/29/2012	Tornado	EF2	0	0	\$ 200,000.00	\$ -	A survey determined that an EF-2 tornado with estimated winds of 125 to 130 mph touched down near 4510 Gaither Station Road and traveled 5 miles northeast while crossing Interstate 65. After damaging a barn near its initial touchdown point, the tornado damaged some homes and knocked down many trees and fences while crossing New Glendale and Overall Phillips Roads. After crossing the interstate, it then lifted the roofs off of several homes along Wildwood Drive and Sportmans Lake Road. The tornado attained its maximum width of 250 yards while striking a trucking company. Here, it buckled many roof trusses and spread significant debris over the Lincoln Parkway into a mobile home park. Finally, the tornado destroyed a garage and damaged 3 roofs along Hodgenville Road before lifting several hundred yards east of the road.
18	Hardin	Prichard Place	Prichard Place	7/10/2015	Tornado	EF0	0	0	\$ 25,000.00	\$ -	This is the continuation of the weak, skipping tornado that began just west of the boundary of Ft. Knox in Meade County, KY. This tornado passed into Hardin County 0.7 miles WSW of the U.S. Gold Depository on Ft. Knox, traveled east for approximately 0.5 miles, then turned northeast over the PX and commissary complex before lifting 0.6 miles ENE of the base High School near Wilson Rd. Several large Hackberry and Oak trees were uprooted and snapped between the PX and Scott Middle School. There was also some shingle damage to some of the buildings near the high school track. The tornado also caused significant tree damage from the middle school north/northeast across a remote area of the northeast part of the post.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
19	Hardin	Kraft	Rineyville	10/31/2018	Tornado	EF1	0	0	\$ 500,000.00	\$ -	<p>This brief, skipping tornado touched down initially as an EF-0 near the east end of Labrador Way, in a subdivision 1.5 miles south of the Rineyville Elementary School. It did minor roof damage to two homes, tossed a trampoline into a neighboring home, causing siding damage, and pushed a large travel trailer onto a minivan, heavily damaging both. Mud was spattered onto the north-facing front of the home, where a porch column support was also moved slightly. From here it traveled east-northeast, snapping tree limbs as it skipped over mainly open pastureland until it reached Thomas Rd. On the west side of Thomas Road, the tornado reached its greatest intensities and size, with winds of 100 mph and a path width of 80 yards. Here it damaged four outbuildings, completely destroying two - the largest being a 30 x 50 structure. The debris pattern from the four outbuildings and nearby trees with snapped trunks and limbs showed clear cyclonic rotation. Metal roofing and siding material was scattered nearly a quarter of a mile to the east- northeast, with some of it lofted into the trees of a heavily wooded area. Other building debris from the largest structure was blown to the northwest, and the south and east-facing walls of a number of structures were spattered with leaves and other ground-based vegetation. Three east-facing garage doors of one of the outbuildings were blown in, and damage sustained to the vehicles in the driveway from downed tree limbs. Three homes in the area sustained roof and siding damage, including a 2x4 from one of the outbuildings blown through an exterior wall. The tornado became elevated as it continued east-northeast from Thomas Rd, snapping a few tree limbs in a wooded area before briefly touching down one last time on Rineyville Rd, where it littered the highway with tree limbs and tore the front porch off a home, vaulting the roof over the house into the back yard. Security cameras from a business next door captured the damage occurring as a wall of wind and water that occurred in less than half a minute. No further damage occurred to the east of this location as the tornado dissipated. NWS was assisted in the storm survey by Hardin County Emergency Management.</p>
20	Hardin	North Four Corners	North Four Corners	12/11/2021	Tornado	EF1	0	0	\$ -	\$ -	<p>An EF-1 tornado touched down near Long Hollow Road and snapped or uprooted several trees which resulted in the road being blocked and powerlines coming down. The tornado continued to the northeast and did sporadic wind damage. It approached Rineyville-Big Springs Road where it hit a couple of farm buildings and resulted in wall and roof damage. The width of the tornado was fairly narrow as a nearby farm building was untouched/unharmd. The tornado continued to race off to the northeast and caused sporadic tree damage. The tornado eventually lifted in a heavily wooded area near the Cochran family farm.</p>

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
21	Hardin	St. John	Kraft	3/18/2022	Tornado	EF1	0	0	\$ -	\$ -	A tornado touched down near the intersection of Spears Lane and St John Road. Damage was observed to a barn roof, which was completely lifted away. Debris was thrown mostly to the northeast, but in several varying direction including impaled wood planks in the nearby field. The tornado then crossed St John Road and struck a single residence with major roof loss and demolishing an outbuilding garage. The tornado continued to French Lane and Fuller Road where tree damage was observed, including debris of construction materials thrown into a nearby field. Damage continued across St John Church Road towards Kraft Road where isolated tree damage was observed. Some barn panel loss was observed along Thomas Road and tree damage continued toward Leasor Lane, as well as a single family residence having some minor roof panel damage.
	Hardin	West Point	West Point	3/18/2022	Tornado	EF0	0	0	\$ -	\$ -	The National Weather Service in Louisville conducted a storm damage survey around West Point, Kentucky from a supercell storm last Friday night. The survey team found a somewhat elevated and skipping EF0 tornado in and near West Point. The tornado began in a farmer's field on the south side of town, with some trees twisted and snapped in the tallest portions of the trees. The tornado uprooted and snapped a few trees in town as it moved to the northeast. Next it lifted a 20 by 12 shed roof onto a truck 15 yards away, in a northwesterly direction. A metal piece of the roof went 35 yards upwind and was impaled on a stop sign. About a dozen homes had roof and siding damage. One homeowner showed a security camera video with a distinct cyclonic swirl, which was clearly seen around 1055 pm. The skipping tornado crossed US Highway 31W with a few trees snapped or twisted and lifted near the Ohio Valley Dragway. This is the same cell that produced a EF0 tornado in Breckinridge County. The EF0 tornado damage began in far northwestern Hardin County, and the survey team looked for damage in Bullitt County and Jefferson County. However, nothing more than a few downed trees could be located.
		TOTALS:					2	71	\$ 10,610,000.00	\$ -	

LaRue County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	LaRue			3/22/1952	Tornado	F3	0	18	\$ 250,000.00	\$ -	
2	LaRue			4/14/1972	Tornado	F1	0	0	\$ 25,000.00	\$ -	
3	LaRue			6/11/1985	Tornado	F0	0	0	\$ 25,000.00	\$ -	
4	LaRue	Magnolia	Magnolia	3/28/1997	Tornado	F3	0	1	\$ 3,000,000.00	\$ -	
	LaRue	Creal	Attila	3/28/1997	Tornado	F2	0	0	\$ 100,000.00	\$ -	
5	LaRue	Talley	Talley	1/2/2006	Tornado	F1	0	0	\$ 500,000.00	\$ -	
6	LaRue	Hodgenville	Hodgenville	2/29/2012	Tornado	EF2	0	0	\$ 200,000.00	\$ -	A tornado touched down near Kyle Street around 2 miles west of Hodgenville. It began as a very narrow 80 yard tornado that did minor roof and shingle damage. It uprooted some cedar trees and damaged some fencing. This tornado then crossed Tanner Road and briefly lifted just west of downtown Hodgenville after staying on the ground for just less than one mile. The tornado then touched down again on the east side of Main Street near the State Farm Insurance Company and Citizen's Union Bank. At this point the tornado strengthened to an EF-2. Two cars were rotated and one was flipped onto the other in the State Farm parking lot. On Wobegone Way, the tornado widened to 200 yards and significantly damaged 3 homes, removing the roof and collapsing the exterior walls of one. After entering a wooded area near Miami Court, it narrowed and became more elevated. It damaged many roofs with the heaviest damage occurring to a day care center. As the tornado crossed State Highway 210, it uprooted numerous trees and damaged several additional buildings. It finally lifted around 80 yards east of Highway 210. The length of this second touchdown was 0.8 miles.
	LaRue	Hodgenville	Hodgenville	2/29/2012	Tornado	EF2	0	0	\$ 20,000.00	\$ -	Based upon several witnesses interviewed by a NWS Damage Survey Team, who reported seeing two different tornadoes near the Miami Court and Wobegona Way area, this tornado was determined to have developed just before an earlier one lifted to its northeast. It touched down just south of Miami Court and moved east through a wooded area. Initially, this second tornado damaged only some treetops along a path 50 yards wide. After crossing State Highway 210, it widened to 100 yards and increased in strength, damaging a working garage and two homes off of Highway 916. One well constructed home had significant damage to its exterior walls. A dumpster was thrown 75 yards and snapped a tree along its path. The tornado was rated an EF-2 at this location.
7	LaRue	Tonieville	Roanoke	6/26/2013	Tornado	EF2	0	0	\$ 500,000.00	\$ -	During the late evening hours, a bowing segment embedded within a lengthy line of storms parallel to and south of the Ohio River began to surge southeast. On the northeast section of this segment, a reflectivity notch became apparent. A circulation developed and quickly spawned an EF-2 tornado across northern LaRue County. The tornado touched down near the Hardin-LaRue county line between Routes 210 and 61 just northeast of Tonieville. On Castleman Road, just northeast of the Castleman-Carter Brother's Road intersection, a metal shop had its metal sheeting roof removed and thrown downwind around 100 yards. Its garage door was bent and insulation was scattered about. Several trees were uprooted near this location. Damage was estimated as EF-1. Downstream, on Carter Brother's Road, a large RV was blown on its side within a mostly destroyed shed. A two story pole tobacco barn was destroyed. Many Red and White Oak trees were either sheared off or had lost many large limbs. Across the road a metal livestock building was destroyed with chaotic damage around a house. Winds here were estimated at around 115 mph, or EF-2. Along State Road 1607, not far from the intersection of Salem Church and Dan Dunn Roads, a silo was caved in and a portion of a corn field flattened. Considerable damage was surveyed along portions of Slack Road. A one-room schoolhouse was destroyed. A dairy farm had several buildings destroyed, along with many trees uprooted. Based on damage to this dairy farm, tornadic winds up to 130 mph were estimated, near the high end of the EF-2 scale. Also along Slack Road, a two-story house has its entire roof removed. Blown-in insulation was caked on the entire side of a house. A shed was destroyed along with a few trees. The tornado lifted around one fifth of a mile northeast of Nuff Cemetery, near the intersection of Trumbull and Roanoke Roads.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
8	LaRue	Mathers Mill	Leafdale	6/23/2017	Tornado	EF1	0	0	\$ 100,000.00	\$ -	The tornado first downed a large tree on McDowell Rd 2.8 miles south of Hodgenville. It damaged tree tops at the Lincoln Birthplace National Historical Park as it moved northeast. At the end of Earl Jones Road, the tornado destroyed one cinder block and wood barn and damaged the roof of another, scattering debris several hundred yards. The tornado then skipped intermittently over primarily open farmland for several miles before uprooting and snapping several trees along Leafdale Road west of Highway 470.
9	LaRue	Tonieville	Roanoke	3/25/2021	Tornado	EF1	0	0	\$ -	\$ -	The National Weather Service in conjunction with Larue County Emergency Management went on a lengthy storm damage survey across northeast LaRue County. A bow echo moving at over 50 mph produced sporadic straight-line wind damage with a distinct tornadic path, primarily along Slack Rd in the Roanoke community. The tornado touched down about a half mile west of 1598 Carter Brothers Road. Aerial photography from a NOAA NWS drone shows distinct swirls along several farmers' properties with damage to a half dozen barns and numerous uprooted and snapped trees. Cedar trees were the most common tree that sustained damage during this tornado. At 1598 Carter Brothers Rd, a riding lawn mower was thrown about 50 yards and a garbage can flew 150 yards. There were snapped, twisted, and uprooted trees facing in nearly every direction. Winds at this location were between 90 and 95 miles an hour. There were indications that this was an intermittent skipping tornado. Along Dan Dunn Road several barns sustained significant roof and sidewall damage, and a 50 foot by 50 foot chain link fence was bent at 90 degrees along every support post. The most significant damage of the tornado path was found at 3000 Slack Rd. It destroyed two barns and did significant roof and siding damage to a well-built one-story residential home. Insulation and metal siding were thrown in multiple directions. At the end of the property, aerial drone photography showed trees going in nearly every direction. Wind speeds in this location were estimated to be 100 mph. Residents at the house said they could feel the intense pressure and everything trying to suck out of the house. On the way to the next storm damage survey we found sporadic straight line wind damage in Hardin County. This included three mobile homes that sustained roof damage near the Hardin County Fairgrounds.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
10	LaRue	Talley	Talley	4/13/2022	Tornado	EF1	0	0	\$ -	\$ -	A National Weather Service storm survey team in coordination with LaRue County Emergency Management surveyed damage in southern LaRue County from storms that occurred on Wednesday evening. It was determined that a brief EF-1 tornado that was embedded within a larger area of straight-line winds touched down 1.3 miles southeast of Upton, traveled east for just over 2.5 miles, and then lifted 3 miles east-southeast of Upton. The EF-1 tornado had a max wind of around 100 mph, and a max path width of around 200 yards. The tornado touched down at solid EF-1 strength just northwest of the intersection of Weldon Loop Road and Watkins Alley Road where a small barn was completely destroyed, and debris was scattered in many directions almost a half mile to the northeast. In addition, a small lean-to section of another barn was thrown back to the northwest, clear evidence of cyclonic rotation. Hardwood trees just downstream from the barn were also snapped and laying in a convergent pattern, offering more support for tornadic winds. The tornado continued roughly eastward along Weldon Loop Road where it did some light damage to a barn roof and brought down large limbs from a hardwood tree. This damage occurred near the intersection of Johnson Road and Weldon Loop Road, and was in the EF-0 strength range. The tornado continued to the ENE along Weldon Loop Road at EF-0 strength as it caused minor roof damage to a house, and damaged a greenhouse near the intersection of Wheeler and Weldon Loop Roads. The tornado finished the last half mile of its path along Upton Talley Road where it uprooted or snapped softwood trees, damaged barns, and did minor fascia and shingle damage to a couple of homes. The tornado lifted about a quarter mile past the Upton Talley and Lanny Heath Roads intersection. It should be noted that this brief tornado occurred within a larger area of straight-line wind damage where some older barns were destroyed and numerous softwood and hardwood trees were snapped or uprooted. However, the damage was mainly laying in an east-northeast direction consistent with overall storm motion and a straight-line wind signature. It was considered to make this damage part of the overall tornado, however the path width would have been over a half mile wide, which is unlikely for brief spin-up tornadoes embedded in a QLCS. It should also be noted that more sporadic, and overall weaker, straight-line wind damage continued eastward along a consistent path across southern LaRue county. Most of this damage was consistent with winds between 60 and 70 mph toward and just north of the Magnolia community and points eastward.
11	LaRue	Mt. Sherman	Gatton	4/13/2022	Tornado	EF0	0	0	\$ -	\$ -	The National Weather Service in Louisville in coordination with LaRue County Emergency Management confirmed an EF0 tornado in south-central LaRue County. The tornado touched down just west of Logan Despain Road, causing damage to the metal roof of a farm outbuilding, and complete destruction of a lean-to attachment on the side of the same farm outbuilding. The tornado then crossed Greensburg Road near Brownfield Creek, heading towards Mount Tabor Road. One home on Mount Tabor Road suffered minor roof damage, and the home across the road had several healthy pine trees snapped as the tornado continued on its path. The tornado continued east-northeast on the north side of Mount Tabor Road, causing several hardwood trees to fall in the directions of north or northeast. Cyclonic curvature of the fallen trees was made evident when NWS Louisville flew their drone over that area. Some roof damage and barn door damage occurred about 450 yards west of the intersection of Mount Tabor Road and Bennett Road. The tornado continued just north of Mount Tabor Baptist Church and crossed Mount Tabor Road once again about 175 yards north of Bennett Road. When doing so, the EF0 tornado caused softwood tree damage and lifted and destroyed a carport. The tornado then continued towards Hinton's Orchard and Farm Market. The orchard had partial loss of its metal roof on the western side of the building. The property also has several greenhouses damaged. The tornado then crossed Campbellsville Road and dissipated a short distance later. Winds were consistently estimated to be between 75-85 MPH along the damage path.
		TOTALS:					0	19	\$ 4,720,000.00	\$ -	

Marion County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Marion			5/25/1973	Tornado	F1	0	2	\$ 25,000.00	\$ -	
2	Marion			10/1/1977	Tornado	F1	0	0	\$ 250,000.00	\$ -	
3	Marion	Attilla	St. Joseph	3/28/1997	Tornado	F2	0	0	\$ -	\$ -	A second tornado formed on the southern flank of the supercell that produced the tornado from Bonnieville to Magnolia. This second tornado formed as the first one dissipated. This second tornado touched down in Creal and did some damage there including a barn that was thrown across Highway 61. County road 2762 was also blocked by downed trees. Then the tornado proceeded northeastward and crossed Highway 210 into southern Larue county where again several trees and some power lines blocked the road there. There were 5 mobile homes and 4 barns destroyed and a church damaged in Pleasant Ridge. From there, the tornado moved northeastward into Marion county and dissipated 3 miles west of St. Joseph. Numerous trees and power lines were down across western Marion county.
4	Marion	Lebanon	Lebanon	11/9/2000	Tornado	F1	0	0	\$ 100,000.00	\$ -	A fairly new barn was blown down. In the vicinity, the roof of a garage was collapsed, and the garage door was wrapped around the back of the car inside. Three mobile homes were damaged and one was demolished.
5	Marion	Bradfordsville	Bradfordsville	10/19/2007	Tornado	EF0	0	0	\$ 100,000.00	\$ -	The tornado touched down about three quarters of a mile southwest of Bradfordsville near the intersection of Bradfordsville and Thornton Roads. A mobile home was rolled over and two homes suffered shingle damage. An outbuilding also sustained minor damage, and several small trees were downed. From here, the tornado moved east-northeast into Bradfordsville, doing significant tree damage, snapping power poles, and destroying several outbuildings, one of which collapsed onto a speedboat. When the tornado lifted, the parent thunderstorm continued to cause extensive tree damage on the eastern side of Bradfordsville. Structural and tree damage from the tornado was consistent with an EF-0 tornado.
6	Marion	Phillipsburg	Phillipsburg	1/30/2013	Tornado	EF0	0	2	\$ 25,000.00	\$ -	A weak EF-0 tornado with estimated winds of 80 to 85 mph briefly touched down along Calvary Road around 7 miles southwest of Bradfordsville. Although this twister had a path length estimated of only a tenth of a mile, it did destroy a mobile home, injuring two occupants. It also slid a shed off of its foundation.
7	Marion	St. Francis	Loretto	6/23/2017	Tornado	EF1	0	0	\$ 150,000.00	\$ -	This tornado spun up in a broader area of 40-60 mph winds that caused minor tree damage across an area over a mile wide in western Marion County. The tornado touched down on the edge of a large wooded area west of Highway 527 0.4 miles south of St Francis. Moving due east, it snapped the trunks of several large trees, blocking the highway, and mowed down a line of trees along Louis Mattingly Road. It continued to to tree-top damage in a heavily wooded area as it moved east, then tore roof panels off several hog barns on the south end of A. Mills Road. Drone footage of corn near the barns showed multiple streaks of converging winds in an area approximately 100 yards in width. Continuing to east-southeast, the tornado left downed numerous more trees in a cyclonic pattern on both sides of Spencer-Hamilton Road south of Loretto. Strong inflow and outflow winds estimated at 60-80 mph damaged several outbuildings and downed other trees south of the tornado along Spencer-Hamilton Road as the tornado dissipated. The Louisville NWS office thanks John Humphress and Tanner Thompson for the drone imagery that helped pinpoint the path of this rural tornado.
8	Marion	Belltown	Calvary	11/5/2018	Tornado	EF0	0	0	\$ 35,000.00	\$ -	This very small tornado touched down on top of an older wooden barn on state highway 289 just south of the intersection with U.S. Highway 68. It flattened the structure, collapsing it to the southeast, while the metal roofing was distributed in a circulating pattern around it - from southeast to northeast to northwest, with the bulk being to the northeast. A 3-legged TV tower next to the adjacent home was crumpled to the north-northeast. Other than mud spattering from the south-southwest on the back corner of the brick one-story home, no other evidence of wind was observed, as no shingles were damaged. The tornado immediately lifted over the home and nearby trees, then passed over a wooded area and open farmland, setting back down in a subdivision on the west side of New Calvary Road, about a mile east. Several small tree trunks were snapped in the subdivision, but no visible structural damage occurred. The tiny twister then continued to the northeast, causing other minor tree damage to the south of Probus Lane. The last tree damage was observed near a small pond near the end of Probus Lane. Maximum wind speeds were estimated at 80-85 mph.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
9	Marion	Jessietown	Bradfordsville	12/11/2021	Tornado	EF2	0	1	\$ -	\$ -	This tornado formed approximately 1.7 miles west southwest of Saloma near Chaney Pike Road and tracked northeast for approximately 6.5 miles before exiting Taylor County and into southern Marion County. The tornado in Marion County resulted in EF-1 to EF-2 damage to homes and trees along Finley Ridge Road, Nolley Wood Road, US 68, and New Calvary Road. Toward the end of the tornado track the tornado weakened and the damage became more sporadic. The tornado lifted near Bradfordsville Highway just 2.2 miles west of Bradfordsville.
	Marion	Riley	Riley	12/11/2021	Tornado	EF1	0	0	\$ -	\$ -	An EF-1 tornado touched down near Siloam Road with estimated winds of 100mph. The tornado destroyed a small farm outbuilding and damaged trees in the area. The tornado continued across rural and forested areas for approximately 2 miles before impacting another farm building which had some roof damage near Gravel Switch Road. The tornado then lifted east of Gravel Switch Road.
10	Marion	Lebanon	Lebanon	1/1/2022	Tornado	EF1	0	0	\$ -	\$ -	A quick EF-1 tornado dropped down across the property of the Kentucky Cooperage, with small whirls rotating around a mainline vortex that likely remained just above the surface. The first area of narrow damage occurred where an empty trailer got shoved on its side on the southwest side of the property. The corner of a metal building also had some damage. There was little evidence of other damage in that vicinity. The next damage occurred on a trailer garage just south of the main building. Its roof was peeled off and one side wall collapsed. The roof ended up about 50 yards southeast. Also of note, the plant manager said that mud was splattered on the south wall of the main building here, which mostly was cleaned off by the heavy rain afterward. Next, a flat metal roof got twisted in several directions as the small vortex with 100 mph winds hit it. The last of the damage occurred in the parking lot across from the northwest side of the property. The southernmost trailer in a north- south line of empty trailers was rotated from its starting position. A nearby garage door also crumpled inward.
		TOTALS:					0	5	\$ 685,000.00	\$ -	

Meade County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Meade			4/3/1974	Tornado	F5	31	257	\$ 2,500,000.00	\$ -	
2	Meade			6/13/1987	Tornado	F1	0	0	\$ 25,000.00	\$ -	
3	Meade			7/18/1988	Tornado	F1	0	0	\$ 25,000.00	\$ -	
4	Meade	Ekron	Brandenburg	5/5/1996	Tornado	F1	0	10	\$ 500,000.00	\$ -	An F1 tornado estimated at around 100 mph embedded in downburst winds moved from just north of Ekron to 3 miles southeast of Brandenburg. 25 residences received damage. 5 mobile homes were completely destroyed. 10 people were injured, 3 serious enough for hospitalization. The damage path due to the straight-line winds was estimated around 5 miles long and 1 mile wide, although the tornado path appeared to be a mile long and 100 yards wide.
5	Meade	Guston	Guston	4/28/2002	Tornado	F0	0	0	\$ -	\$ -	The tornado crossed into Meade County from Breckinridge County. Numerous trees were uprooted.
6	Meade	Flaherty	Muldraugh	10/18/2007	Tornado	EF1	0	0	\$ 20,000.00	\$ -	The tornado touched down a mile north northwest of Flaherty, and lifted near Camp Carlson in the southern portion of Fort Knox. Damage from the tornado was consistent with an EF-1 tornado. Most of the damage was concentrated near the intersection of U.S. 60 and County Road 1882. The Rock Inn sustained roof damage, and a service station canopy was knocked over. The tornado also uprooted large trees along the damage path.
7	Meade	Sirocco	Brandenburg	2/5/2008	Tornado	EF1	0	0	\$ 2,000,000.00	\$ -	The tornado caused extensive tree and power line damage near Happy Ridge Road, Wood Dale Road, and Maple Grove Drive. Several businesses were damaged in the Broadway and Lakeview Drive area. A cinder block storage building was toppled. The tornado knocked down the exterior wall of another building. A storage building was lifted up and thrown across Broadway. The Old Brandenburg Telephone Company Office had roof damage. A church was damaged near the intersection of Broadway and Highway 933.
8	Meade	Payneville	Sirocco	4/19/2011	Tornado	EF0	0	0	\$ -	\$ -	A NWS storm survey confirmed an EF-0 tornado with wind speeds estimated to be 65-80 mph touched down in Breckinridge county. The tornado lifted in several locations along the 11 mi. path, with the greatest width of 50 yards. The tornado continued into Meade county where it last lifted 4 miles west of Brandenburg. The worst damage with this tornado occurred at a house in an elevated location along Sirocco Road in Meade County. At that location a carport that was attached to the house blew across the field behind it. Trees were snapped or uprooted, a barn door was blown in, and shingles were blown off of the roof of another nearby house.
9	Meade	Guston	Guston	3/2/2012	Tornado	EF0	0	0	\$ 2,000.00	\$ -	This weak EF-0 tornado was photographed from Ekron, looking southwestward. It touched down around 1 mile west of the intersection of Routes 60 and 428. It blew out a porch off the side of a house and damaged a sign of a business along Route 60. Damage was consistent with 75 mph winds.
10	Meade	Buck Grove	Brandenburg Station	1/30/2013	Tornado	EF0	0	0	\$ 50,000.00	\$ -	A storm survey revealed that an EF-0 tornado with estimated 80 mph winds and a width of 200 yards struck Meade County around 5.7 miles southeast of Brandenburg. Initially, this tornado touched down in a grove of trees near the end of Kurtz Drive. It then damaged several homes on Kurtz Drive and near the intersection of Thornhill Drive and Gaines Road. One owner of a home east of Gaines Road mentioned that water was evacuated from all 4 toilets as the tornado passed by. Local residents reported a loud roar. Another home along Gaines Road has its front door pulled off. Before lifting right off Tom Cain Road, the tornado damaged a small shed.

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
11	Meade	Coburg	Coburg	7/10/2015	Tornado	EF0	0	0	\$ -	\$ -	A NWS storm survey found evidence of a weak, skipping tornado that occurred on the base of Fort Knox in Meade and Hardin Counties in Kentucky. The tornado first touched down near the intersection of Lee Road and Fort Avenue just west of the military base's boundary. It traveled east over forested land, doing occasional damage to trees before it passed into Hardin County, 0.7 miles WSW of the U.S. Bullion Depository.
12	Meade	Haysville	Haysville	11/18/2017	Tornado	EF1	0	1	\$ 200,000.00	\$ -	The tornado touched down just inside the Breckinridge-Meade County line north of Irvington. It pushed a large tobacco barn 15 feet eastward, tore off its roof, and collapsed several walls. Debris from the barn was scattered over a half mile downwind. The tornado moved east-northeast, skipping along a wooded area where several trees were snapped or uprooted, then hit a mobile home on Fackler Road, rolling the anchored unit several times, destroying the home. The owner sustained only minor injuries as he rolled over with his house, crawling out of a hole after it settled. A garage on the property was also destroyed. The tornado continued skipping along the northwest side of Sandy Hill Rd, damaging outbuildings on another farm, before crossing KY highway 261 at Guston Rd. A split level home on Guston Rd had part of its roof removed, with insulation spattered on the lee side of the home. An occupant of the home reported he was descending the stairs as the roof was torn off, and was briefly drawn up the stairs as it occurred. Debris from the split level home was dropped across the road, where a few more trees were snapped and uprooted. The tornado then flattened a fence and peeled a section of sheet metal on an outbuilding before lifting. The NWS thanks Meade County EMA and Remote Aerial for their assistance in this damage survey.
		TOTALS:					31	268	\$ 5,322,000.00	\$ -	

Nelson County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Nelson			5/8/1969	Tornado	F1	0	0	\$ 25,000.00	\$ -	
2	Nelson			8/25/1972	Tornado	F1	0	0	\$ 25,000.00	\$ -	
3	Nelson	Bardstown	Fairfield	4/3/1974	Tornado	F4	1	24	\$ 250,000.00	\$ -	Moved from northwest of Elizabethtown, doing damage on the north side of town. Moving into Nelson County, produced significant damage near Cox's Creek where the Whitney Horse Farm was damaged, crossing Lilly Pike where several homes, barns, and trailers were demolished, across Murray Road, and then across KY 44. On Murray Road a father and son were in their milking barn when they saw the storm approach. They got under some heavy equipment for shelter and the barn came down around them. They were rescued several hours later as workers and neighbors cleared Murray Road of trees and debris. The father was taken to the hospital in critical condition but the son was OK. As the twister crossed Murray Road and Elk Creek it was about 300 yards wide.
4	Nelson			3/10/1986	Tornado	F1	0	0	\$ 25,000.00	\$ -	
5	Nelson			3/12/1986	Tornado	F1	0	2	\$ 25,000.00	\$ -	
6	Nelson	Bardstown	Bardstown	3/28/1997	Tornado	F0	0	0	\$ 50,000.00	\$ -	An F0 tornado ripped a couple of roofs off homes and 1 building was badly damaged as reported by police and a National Weather Service employee.
7	Nelson	Nelsonville	Nelsonville	2/6/2008	Tornado	EF2	0	0	\$ 50,000.00	\$ 100,000.00	A long swath of wind damage showed signs of an intermittent embedded tornado. The tornado destroyed an outbuilding, and knocked the top half off a silo. Near Patton Road, there was an enhanced area of tree damage, with the trees laying in a convergent path, consistent with tornadic damage.
	Nelson	Woodlawn	Woodlawn	2/6/2008	Tornado	EF2	0	2	\$ 250,000.00	\$ -	The tornado destroyed or heavily damage two shop buildings at a construction company. A couple trailers on the company site were rolled over. Farther along the tornado's path, it knocked a mobile home off the foundation, and rolled it over two nearby cars. Two occupants of the mobile home were injured.
8	Nelson	Fairfield	Fairfield	4/8/2020	Tornado	EF1	0	0	\$ 200,000.00	\$ -	The tornado initially touched down on the northwest side of a large family home and farm on Fairfield Road. The upper part of the roof of a two story home was lifted off and thrown in various directions. Several large 2x10s and 2x8s were impaled in the ground about 50 yards from the barn. Two trees on the property sustained extensive twisting and several large section of the trees were snapped. The tornado at this point was only 35 yards wide with wind speeds of 95 mph. The owner of the house was upstairs sleeping, when he heard his ears popping, then a large roar of wind on top of the house and bricks fell on his bed. Surprisingly he sustained no injuries. The tornado then moved across a mixture of open farm fields and scattered forest. There is a significant swath of tree damage between Fairfield Road and Murrays Run Road, with trees uprooted, snapped, and twisted. Thanks to a nelson county drone you could clearly see trees laying in multiple directions. The tornado hit a property on Murrays Run Road ripping off the sides of a large well-built barn. The back part of the barn was thrown to the west while a wagon in the trailer was pushed out through the barn. A 72' x 12' shed next to the barn was destroyed. Parts of that barn were impaled into the ground 75 to 80 yards down wind. The tornado was at its widest at 45 yards here with 95 mph winds. Another remarkable thing is the family house was only 60 yards from the damage path, and did not lose even a shingle on the house. Across the street the tornado did extensive roof damage to a family house and barn, uplifting several large parts of it. Debris from the barn was thrown up to 300 yards downwind and in many different directions. The family said that they heard all the doors in the house shut tightly and heard a distinct roar. The tornado produced sporadic damage across farmland mainly in terms of trees, with more concentrated damage along Plum Run Road. Cedar tree damage was rather extensive with many cedars being snapped and twisted. Winds were around 90 mph here with a width of 40 yards. The tornado destroyed an old barn on Chester Hahn Road but weakened to an EF-0 of 80 mph and ended with a few snapped trees before Dugan Lane.
		TOTALS:					1	28	\$ 900,000.00	\$ 100,000.00	

Washington County Tornado Events, Types, Locations, Extent, Impacts, 1950-2022

Count	County	Begin Location	End Location	Date	Type	F/EF-Scale	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Washington	Willisburg	Willisburg	5/5/1996	Tornado	F0	0	0	\$ -	\$ -	A weak F0 tornado briefly touched down 1 mile east of Willisburg. No property damage was reported.
2	Washington	Springfield	Springfield	3/1/1997	Tornado	F0	0	0	\$ 15,000.00	\$ -	An F0 tornado knocked down numerous trees mainly along Lincoln Park Road. A car was thrown into a guard rail there. Spotter reports coincided with doppler radar mesocyclone position.
3	Washington	Willisburg	Willisburg	4/20/2000	Tornado	F1	0	4	\$ 70,000.00	\$ -	The tornado destroyed two mobile homes and a tobacco barn. It also did roof, siding, and chimney damage to several homes, and damaged vehicles.
4	Washington	St. Catherine	St. Catherine	11/9/2000	Tornado	F1	0	0	\$ 20,000.00	\$ -	A barn was destroyed and a post was pulled out of the ground along with the concrete base. The barn owner reported seeing a funnel cloud before impact.
	Washington	Sharpsville	Sharpsville	11/9/2000	Tornado	F1	0	1	\$ 10,000.00	\$ -	A resident observed a funnel cloud before taking shelter. The tornado blew in his back door, shattering the glass. The man was injured by flying glass.
5	Washington	Jimtown	Jimtown	2/6/2008	Tornado	EF1	0	0	\$ 60,000.00	\$ -	The tornado touched down on Pleasant Drive about two miles southeast of Springfield. It was embedded within an area of straight-line wind damage. The tornado blew the roof off a house, and threw it about 125 yards downwind. Several pine trees were snapped and small outbuildings were destroyed. A 14 inch diameter pine tree was snapped and moved about 45 yards downwind as well.
	Washington	Deep Creek	Deep Creek	2/6/2008	Tornado	EF2	0	0	\$ 15,000.00	\$ -	This tornado touched down on Russell Lane about eight miles east-northeast of Springfield. The tornado completely blew away a large, well-constructed out-building. Six-by-six inch posts were snapped and piled up, while metal sheeting was blown about a quarter of a mile away. Concrete joists weighing two hundred pounds were displaced.
		TOTALS:					0	5	\$ 190,000.00	\$ -	

Probability of Tornadoes as a Function of Frequency

As justified above, the period-of-record for tornado events begins in 1950 and spans to the end of 2022.

January 1, 1950 to December 31, 2022 represents:

- 73 years, or
- 876 months, or
- 26,662 days.

Below is a table summarizing the frequency of occurrence for the tornado hazard for each of the eight (8) counties comprising the Lincoln Trail Area Development District. Frequency of occurrence is the measure for “probability” used in this analysis.

Regarding the numerator, it should be noted that tornado events that occur on the same day are not counted twice, thrice, or multiple times.

Summary of Number of Tornado Events Per County

<u>County</u>	<u>Number of Tornado Events</u>
Breckinridge County	16
Grayson County	13
Hardin County	21
LaRue County	11
Marion County	10
Meade County	12
Nelson County	8
Washington County	5

Using the information from the tornado summary of number of events per county comprising the Lincoln Trail Area Development District, the following table calculates an average frequency of occurrence that informs the expectations (probability) for future tornado events:

Probability of Tornado as a Function of Frequency

County	# of Events	# of Months	# Events Per Month	Average One Event Every "x" Months ³	Conversational Translation ⁴
Breckinridge County	16	876	0.0182648402	54.750	4 Year and 7 Months
Grayson County	13	876	0.0148401826	67.385	5 Years and 7 Months
Hardin County	21	876	0.0239726027	41.714	3 Years and 6 Months
LaRue County	11	876	0.0125570776	79.636	6 Years and 8 Months
Marion County	10	876	0.0114155251	87.600	7 Years and 4 Months
Meade County	12	876	0.0136986301	73.000	6 Years and 1 Month
Nelson County	8	876	0.0091324201	109.500	9 Years and 2 Months
Washington County	5	876	0.0057077626	175.200	14 Years and 7 Months

³ Calculated either by flipping the numerator and denominator, e.g., 816 months/44 events, or by dividing one (1) by the number of events per month, e.g., [1/(44 events/816 months)].

⁴ Calculated as follows:

- If the "average one event per 'x' months exceeds 12 (i.e., one year), then divide the value by 12 months and multiply the resulting partial by 12 months.
- If the "average one event per 'x' months" is less than 12 (i.e., less than one year), the multiply the partial by 30 days.

Severe Winter Storm Risk Assessment Appendix

The data to satisfy the previous occurrence, location, type, extent, and impacts requirements of 44 CFR §201.6 for the severe winter storm hazard derives from the National Centers for Environmental Information (NCEI) and its Storm Events database. The Storm Events database is populated using National Weather Service (NWS) data collected from self-reports provided through a variety of means.

It is best-available data.

“Severe Winter Storm” is defined through the following variables reported by the NCEI Storm Events database:

- Winter Storm
- Heavy Snow
- Ice Storm

The data spans 1996-2022 (i.e., the end of 2022). See the “Database Details” from the NCEI Storm Events database (<https://www.ncdc.noaa.gov/stormevents/details.jsp>):

“From 1955 through 1992, only tornado, thunderstorm wind and hail events were keyed from the paper publications into digital data. From 1993 to 1995, only tornado, thunderstorm wind and hail events have been extracted from the Unformatted Text Files...***From 1996 to present, 48 event types are recorded as defined in [NWS Directive 10-1605](#).***”

Breckinridge County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Breckinridge	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Breckinridge	Zone	3/19/1996	Heavy Snow	0	0	\$ -	\$ -	
3	Breckinridge	Zone	2/4/1998	Heavy Snow	0	0	\$ -	\$ -	
4	Breckinridge	Zone	1/7/1999	Winter Storm	0	0	\$ -	\$ -	
5	Breckinridge	Zone	2/15/2003	Ice Storm	0	0	\$ -	\$ -	
6	Breckinridge	Zone	12/22/2004	Heavy Snow	0	0	\$ -	\$ -	
7	Breckinridge	Zone	2/11/2008	Winter Storm	0	0	\$ -	\$ -	Three to four inches of snow fell across northern Breckinridge County the evening of the 11th. Light freezing rain fell early on the 12th.
8	Breckinridge	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulations of one quarter of an inch were noted.
9	Breckinridge	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
10	Breckinridge	Zone	12/15/2008	Winter Storm	0	0	\$ -	\$ -	Three to 4 inches of snow, mixed with light amounts of sleet and freezing rain, were measured.
11	Breckinridge	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain deposited around one inch of ice countywide before changing to just rain during the afternoon of Tuesday January 27th. Rain and sleet quickly changed over to snow after dawn on Wednesday. 1 to 2 inches of snow fell before noon Wednesday.
12	Breckinridge	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Three to 6 inches of snow fell countywide.
13	Breckinridge	Zone	2/8/2010	Heavy Snow	0	0	\$ -	\$ -	Snowfall varied between 4 and 7 inches across the county.
14	Breckinridge	Zone	2/14/2010	Heavy Snow	0	0	\$ -	\$ -	From 4 to 5 inches of snow fell across northern portions of the county.
15	Breckinridge	Zone	1/25/2011	Heavy Snow	0	0	\$ -	\$ -	Around 4 inches of snow accumulated across western portions of Breckinridge County.
16	Breckinridge	Zone	12/6/2013	Winter Storm	0	0	\$ -	\$ -	Freezing rain deposited up to one quarter of an inch of glaze around the county. Light sleet and snow developed by early afternoon with an inch of additional accumulation.
17	Breckinridge	Zone	2/2/2014	Heavy Snow	0	0	\$ -	\$ -	A spotter reported 4.5 inches of snow in Irvington, which is right on the border of Breckinridge and Meade Counties.
18	Breckinridge	Zone	2/4/2014	Winter Storm	0	0	\$ -	\$ -	One quarter of an inch of ice was measured on an elevated surface near Garfield.
19	Breckinridge	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	Light freezing rain that began during the late afternoon brought icing up to a quarter of an inch before changing into sleet and then snow. Sleet and snow accumulations reached 2 to 3 inches before ending as snow during the early morning hours.
20	Breckinridge	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	A range of 8 to 11 inches of snow fell across the county.
21	Breckinridge	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	An observer at McDaniel measured 20 inches of snow.

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
22	Breckinridge	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Between 4 and 9 inches of snow fell across Breckinridge County, the highest totals were observed across the southern portions of the county.
23	Breckinridge	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	Between 2 and 4 inches of snow fell across the county.
24	Breckinridge	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Snowfall reported ranged from 3 to 6 inches across the county while ice accumulation was around 0.20 inches. This resulted in dangerous to difficult driving conditions.
25	Breckinridge	Zone	1/15/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county.
26	Breckinridge	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Ametuer radio reported 4.5 inches in McQuady, and generally 4 to 6 inches of snow fell across the county.
27	Breckinridge	Zone	3/20/2018	Winter Storm	0	0	\$ -	\$ -	A trained spotter reported 5 inches in Custer and total snow amounts ranged from 4 to 6 inches across the county.
28	Breckinridge	Zone	2/10/2021	Ice Storm	0	0	\$ -	\$ -	Up to 0.3 to 0.4 inches of ice accumulated across the southern half of Breckinridge County, KY.
29	Breckinridge	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	Heavy sleet fell across Breckinridge County, KY along with 2 inches of snow.
30	Breckinridge	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	Breckinridge County saw 6 inches of snow.
31	Breckinridge	Zone	2/3/2022	Ice Storm	0	0	\$ -	\$ -	A quarter inch of ice accumulation was reported, along with less than 1 inch of snow and sleet.
	TOTALS:				0	0	\$ -	\$ -	

Grayson County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Grayson	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Grayson	Zone	3/19/1996	Heavy Snow	0	0	\$ -	\$ -	
3	Grayson	Zone	2/4/1998	Heavy Snow	0	0	\$ -	\$ -	
4	Grayson	Zone	1/7/1999	Winter Storm	0	0	\$ -	\$ -	
5	Grayson	Zone	2/15/2003	Ice Storm	0	0	\$ 80,000.00	\$ -	
6	Grayson	Zone	12/22/2004	Winter Storm	0	0	\$ -	\$ -	
7	Grayson	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulations of 1/4 to 1/3 of an inch were common.
8	Grayson	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
9	Grayson	Zone	12/15/2008	Winter Storm	0	0	\$ -	\$ -	Two to 4 inches of snow, mixed with light sleet and freezing rain, fell across the northern portion of the county.
10	Grayson	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain brought ice accumulations of between 1/2 and 1 inch through mid morning on Tuesday January 27th. Rain changed to snow after dawn Wednesday, adding another 1 inch.
11	Grayson	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Four to 7 inches fell countywide.
12	Grayson	Zone	2/8/2010	Heavy Snow	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell countywide.
13	Grayson	Zone	1/26/2011	Heavy Snow	0	0	\$ -	\$ -	Four inches of snow fell across portions of Grayson County.
14	Grayson	Zone	2/7/2011	Heavy Snow	0	0	\$ -	\$ -	Four and one half inches of snow fell in Clarkson.
15	Grayson	Zone	12/6/2013	Winter Storm	0	0	\$ -	\$ -	A spotter reported that freezing rain deposited one third of an inch of ice by late morning across western Grayson County.
16	Grayson	Zone	2/2/2014	Winter Storm	0	0	\$ -	\$ -	A mixture of freezing rain, sleet and snow fell across Grayson County, hampering overnight traffic. Around 2 inches of sleet and snow was measured north of Leitchfield.
17	Grayson	Zone	2/4/2014	Winter Storm	0	0	\$ -	\$ -	The county emergency manager reported numerous limbs downed with sporadic power outages due to icing. Between one quarter and one third of an inch of ice accumulated on elevated surfaces.
18	Grayson	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	Freezing rain during the evening of the 2nd brought ice accumulations of around one quarter of an inch. This turned into sleet and then snow by late evening. One half inch of sleet accumulated, followed by 2 to 3 inches of snow.
19	Grayson	Zone	1/23/2015	Heavy Snow	0	0	\$ -	\$ -	Around 6 inches of snow fell northeast of Clarkson. Another person measured 4 inches of snow near Leitchfield.
20	Grayson	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	Grayson County received between 10 inches and one foot of snow.
21	Grayson	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	Fifteen inches of snow fell in Leitchfield.

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
22	Grayson	Zone	1/20/2016	Heavy Snow	0	0	\$ -	\$ -	Around 4 inches of snow fell across the county.
23	Grayson	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Between 8 and 10 inches of snow fell across Grayson County.
24	Grayson	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	A public report of 5.3 inches of snow was received in Grayson County.
25	Grayson	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Trained spotters reported around 0.2 inches of ice accumulation along with 3 to 4 inches of snowfall. This resulted in dangerous to difficult driving conditions.
26	Grayson	Zone	1/15/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county.
27	Grayson	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Around 4 inches of snow fell across the county.
28	Grayson	Zone	11/14/2018	Ice Storm	0	0	\$ -	\$ -	Nearly 4,000 customers lost power after ice brought down trees and power lines.
29	Grayson	Zone	2/10/2021	Winter Storm	0	0	\$ -	\$ -	Ice accumulations ranging from 0.4 inches to 0.75 inches were reported near Leitchfield, KY. Numerous trees were damaged or downed. A half inch of sleet also accumulated on top of the ice, and roads were packed with a layer of ice.
30	Grayson	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	A heavy mix of snow and sleet fell on Grayson County, KY. Storm total accumulation was 4-5 inches, of which sleet accounted for 1-2 inches.
31	Grayson	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	Snowfall reports ranged from 5 to 8 inches across the county.
32	Grayson	Zone	2/3/2022	Ice Storm	0	0	\$ -	\$ -	One-quarter inch of ice accumulated, along with a half inch of snow.
	TOTALS:				0	0	\$ 80,000.00	\$ -	

Hardin County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Hardin	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Hardin	Zone	3/19/1996	Heavy Snow	0	0	\$ -	\$ -	
3	Hardin	Zone	2/3/1998	Heavy Snow	0	0	\$ -	\$ -	
4	Hardin	Zone	1/7/1999	Winter Storm	0	0	\$ -	\$ -	
5	Hardin	Zone	2/15/2003	Ice Storm	0	0	\$ -	\$ -	
6	Hardin	Zone	12/22/2004	Ice Storm	0	0	\$ 750,000.00	\$ -	
7	Hardin	Zone	2/11/2008	Winter Storm	0	0	\$ -	\$ -	Three to four inches of snow fell the evening of the 11th across the northern third of the county. Light freezing rain fell early on the 12th.
8	Hardin	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulations of around 1/4 of an inch were noted.
9	Hardin	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
10	Hardin	Zone	12/15/2008	Winter Storm	0	0	\$ -	\$ -	One to three inches of snow, mixed with light sleet and freezing rain, fell across the county.
11	Hardin	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain brought ice accretions of 1/2 to 1 inch through early morning Tuesday January 27th. Rain changed to snow after dawn on the 28th. An additional 1 to 2 inches of snow fell Wednesday morning. The loss of power attributed to the icing led to the death of a woman in her unheated mobile home Thursday, January 29th.
12	Hardin	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Three to six inches of snow fell countywide.
13	Hardin	Zone	2/8/2010	Heavy Snow	0	0	\$ -	\$ -	Between 3 and 7 inches fell countywide.
14	Hardin	Zone	12/15/2010	Ice Storm	0	0	\$ -	\$ -	Freezing rain deposited around one quarter of an inch of ice across the northern portion of the county.
15	Hardin	Zone	1/25/2011	Heavy Snow	0	0	\$ -	\$ -	Four inches of snow was measured at Rineyville.
16	Hardin	Zone	12/6/2013	Winter Storm	0	0	\$ -	\$ -	Freezing rain produced two tenths of an inch of glaze near Fort Knox. Freezing rain later changed to sleet and snow, with another one to two inches of accumulation along the Ohio River in the northern portion of the county.
17	Hardin	Zone	2/2/2014	Heavy Snow	0	0	\$ -	\$ -	Four inches of snow fell right along the Ohio River near Fort Knox.
18	Hardin	Zone	2/4/2014	Winter Storm	0	0	\$ -	\$ -	A NWS forecaster measured one quarter of an inch of ice in Vine Grove.
19	Hardin	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	A NWS employee in Vine Grove measured 3 inches of snow and sleet. Considerable amounts of sleet fell across the southern portion of the county, with accumulations between one half and one inch.
20	Hardin	Zone	1/23/2015	Heavy Snow	0	0	\$ -	\$ -	Around 6 inches of snow was measured by several people around Elizabethtown and Rineyville.
21	Hardin	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	Between 9 and 11 inches of snow fell across Hardin County on the 16th of February.
22	Hardin	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	A spotter, having averaged several measurements, came up with 25 inches of snow. He was located 2 miles northwest of Radcliff. This value of 25 inches is one inch shy of the all time Kentucky storm total record for snow, which is 26 inches. This snow fell in a 15 hour period.

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts; Event Narrative
23	Hardin	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Snow totals ranged from 8 to 12 inches across Hardin County.
24	Hardin	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	Around 5 inches of snow fell across the county.
25	Hardin	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Between 0.10 and 0.20 inches of ice accumulated on most surfaces while 3 to 4 inches of snow fell across the county. This resulted in dangerous road conditions with widespread school and business closings.
26	Hardin	Zone	1/15/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county.
27	Hardin	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across Hardin County. There was a public report of 5 inches in Elizabethtown.
28	Hardin	Zone	3/20/2018	Winter Storm	0	0	\$ -	\$ -	An off-duty NWS employee reported 4.2 inches in Vine Grove. Totals across the county ranged from 4 to 6 inches. Many reports of 5 to 5.5 inches were obtained from Elizabethtown.
29	Hardin	Zone	11/14/2018	Ice Storm	0	0	\$ -	\$ -	There were nearly 6,000 without power around the county.
30	Hardin	Zone	11/15/2018	Ice Storm	0	0	\$ -	\$ -	Several trees were down blocking two lanes of Bardstown Road near Stovall Road. One tree fell on a fire truck. The time of the tree falling on the truck is unknown.
31	Hardin	Zone	11/15/2018	Ice Storm	0	0	\$ -	\$ -	Ice was estimated to be 0.25 inches thick. That ice brought down many tree branches in the area.
32	Hardin	Zone	2/10/2021	Ice Storm	1	1	\$ -	\$ -	Around a half inch of ice accumulated in Elizabethtown, Vine Grove, and Radcliff. Extensive tree damage occurred. Power outages were also reported. There was a fatal accident on Interstate 65 northbound at mile marker 91 in Elizabethtown.
33	Hardin	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	A heavy mix of sleet and snow fell across Hardin County, KY totaling 4-6 inches. 1-3 inches of sleet fell followed by 2-3 inches of snow.
34	Hardin	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	Snowfall reports ranged from 3 to 9 inches across the county. One 5 inch report came from an NWS employee.
35	Hardin	Zone	2/3/2022	Ice Storm	0	0	\$ -	\$ -	Quarter-inch of ice accumulated reported on trees and fences. Sleet of up to a half inch accumulated as well, followed by a quarter-inch to half-inch of snow.
	TOTALS:				1	1	\$ 750,000.00	\$ -	

LaRue County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	LaRue	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	LaRue	Zone	3/19/1996	Heavy Snow	0	0	\$ -	\$ -	
3	LaRue	Zone	2/3/1998	Heavy Snow	0	0	\$ -	\$ -	
4	LaRue	Zone	2/15/2003	Ice Storm	0	0	\$ -	\$ -	
5	LaRue	Zone	12/22/2004	Ice Storm	0	0	\$ -	\$ -	
6	LaRue	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Icing around 1/4 inch was common.
7	LaRue	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
8	LaRue	Zone	12/15/2008	Winter Storm	0	0	\$ -	\$ -	One to 3 inches of snow, mixed with light sleet and freezing rain, fell across the northern portion of the county.
9	LaRue	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain brought ice accumulations of 3/4 to 1 inch before changing to rain by mid morning Tuesday, January 27th. Rain changed to snow after dawn Wednesday, adding another inch of snow.
10	LaRue	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Four to 7 inches fell countywide. A NWS employee measured 5 inches.
11	LaRue	Zone	12/24/2010	Heavy Snow	0	0	\$ -	\$ -	Four inches of snow fell near Hodgenville.
12	LaRue	Zone	1/20/2011	Heavy Snow	0	0	\$ -	\$ -	Four inches of snow was measured just southeast of Hodgenville.
13	LaRue	Zone	2/2/2014	Winter Storm	0	0	\$ -	\$ -	Around one quarter of an inch of ice accumulated on elevated surfaces near Hodgenville. Substantial icing, accompanied by one half inch of sleet, made driving treacherous during the early morning hours.
14	LaRue	Zone	2/4/2014	Winter Storm	0	0	\$ -	\$ -	One quarter of an inch of ice accumulated on branches near Buffalo.
15	LaRue	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	Freezing rain brought a tenth of an inch of ice before changing over to sleet and freezing rain. Three inches of sleet and snow were measured at both Upton and Hodgenville.
16	LaRue	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	A NWS employee measured 11 inches of snow near Hodgenville.
17	LaRue	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	Just over 18 inches of snow was measured in Hodgenville.
18	LaRue	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Snow totals ranged from 10 to 12 inches across LaRue County.
19	LaRue	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	Between 4 and 5 inches of snow fell across the county.

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
20	LaRue	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Between 3 and 4 inches of snow fell across the county combined with around 0.20 inches of ice accumulation. This resulted in dangerous to difficult driving conditions.
21	LaRue	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Between 2 and 4 inches of snow fell on top of 0.1 to 0.2 inches of ice accumulation across the county.
22	LaRue	Zone	1/16/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county.
23	LaRue	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Four to 6 inches of snow fell across LaRue County. There was a public report near Buffalo of 4.8 inches.
24	LaRue	Zone	2/10/2021	Ice Storm	0	0	\$ -	\$ -	Ice accumulation of 0.3 inches resulted in ice-covered roads and two trees down in the road on Greensburg Road in Buffalo and High Street in Upton.
25	LaRue	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	A heavy mix of sleet and snow totaling 3.5 inches was reported in LaRue County, KY. Sleet totals were 1-2 inches.
26	LaRue	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	Snowfall across the county ranged between 4 to 6 inches.
27	LaRue	Zone	2/3/2022	Ice Storm	0	0	\$ -	\$ -	A quarter-inch of ice accumulated, followed by a half-inch of snow.
28	LaRue	Zone	3/11/2022	Winter Storm	0	0	\$ -	\$ -	Heavy snow accumulation of 3-4 inches reported in Hodgenville early Saturday, March 12, 2022.
	TOTALS:				0	0	\$ -	\$ -	

Marion County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Marion	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Marion	Zone	2/3/1998	Heavy Snow	0	0	\$ -	\$ -	
3	Marion	Zone	2/15/2003	Ice Storm	0	0	\$ 80,000.00	\$ -	
4	Marion	Zone	12/22/2004	Ice Storm	0	0	\$ -	\$ -	
5	Marion	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulated up to one quarter of an inch.
6	Marion	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
7	Marion	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain brought around 1/2 inch of ice countywide before changing to rain by mid-morning Tuesday, January 27th. Rain changed to snow after dawn Wednesday and added an additional 1 inch.
8	Marion	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Four to 7 inches fell countywide.
9	Marion	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	Just over 5 inches of snow followed a half inch of sleet and a light glaze of ice.
10	Marion	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	Marion County, located right under the axis of heaviest snowfall across central Kentucky, received from 12 to 14 inches of snow.
11	Marion	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	A COOP Observer measured 11 inches of snow in Lebanon.
12	Marion	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Snow totals ranged from 12 to 15 inches across the county.
13	Marion	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	Between 4 and 5 inches of snow fell across the county.
14	Marion	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	The combination of 2 to 4 inches of snow and 0.10 to 0.15 inches of ice resulted in difficult to dangerous driving conditions across the county.
15	Marion	Zone	1/16/2018	Winter Storm	0	0	\$ -	\$ -	Between 3 and 5 inches of snow fell across the county.
16	Marion	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Dispatch indicated that 6 inches of snow fell in Lebanon, and amounts generally ranged from 6 to 8 inches.
17	Marion	Zone	2/10/2021	Ice Storm	0	0	\$ -	\$ -	Ice accumulation of 0.25 to 0.3 inches occurred across Marion County, KY.
18	Marion	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	Heavy sleet and snow totaling 2-3 inches fell in Marion County, KY. Sleet totals were 1-2 inches.
19	Marion	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	The county road department reported snowfall totals ranged between 8 to 9 inches.
20	Marion	Zone	3/11/2022	Winter Storm	0	0	\$ -	\$ -	Heavy snowfall accumulation of 4-5 inches reported across the county by dispatch.
TOTALS:					0	0	\$ 80,000.00	\$ -	

Meade County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Meade	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Meade	Zone	3/19/1996	Heavy Snow	0	0	\$ -	\$ -	
3	Meade	Zone	2/15/2003	Ice Storm	0	0	\$ -	\$ -	
4	Meade	Zone	12/22/2004	Heavy Snow	0	0	\$ -	\$ -	
5	Meade	Zone	2/11/2008	Winter Storm	0	0	\$ -	\$ -	Three inches of snow was followed by light sleet the evening of the 11th. Light freezing rain fell early on the 12th.
6	Meade	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulations up to one third of an inch coated trees and roads.
7	Meade	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
8	Meade	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	A mix of freezing rain, sleet, and snow brought 2 to 3 inches of icy accumulations through mid-morning Tuesday January 27th. Freezing rain developed later in the afternoon and continued through the morning hours Wednesday, adding 1/2 inch of ice. Snow, developing around dawn Wednesday, brought another 2 to 3 inches of accumulation.
9	Meade	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Three to 6 inches of snow fell countywide. An NWS employee living in Doe Valley measured 6 inches of snow.
10	Meade	Zone	2/8/2010	Heavy Snow	0	0	\$ -	\$ -	An average of 6 inches of snow fell countywide.
11	Meade	Zone	2/14/2010	Heavy Snow	0	0	\$ -	\$ -	From 3 to 5 inches of snow fell from south to north across the county.
12	Meade	Zone	12/15/2010	Ice Storm	0	0	\$ -	\$ -	Freezing rain brought around one third of an inch of ice to Doe Valley.
13	Meade	Zone	12/6/2013	Winter Storm	0	0	\$ -	\$ -	Freezing rain produced two tenths of an inch of glaze before changing over to sleet and snow. Three to 4 inches of snow then accumulated through late afternoon along the Ohio River.
14	Meade	Zone	2/2/2014	Heavy Snow	0	0	\$ -	\$ -	A snow total of 4.5 inches was reported in Irvington, which is adjacent to Meade County.
15	Meade	Zone	2/4/2014	Winter Storm	0	0	\$ -	\$ -	A National Weather Service Employee measured one quarter of an inch of ice.
16	Meade	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	Freezing rain during the afternoon on the 2nd brought a light glaze of ice before changing over to sleet and then snow by early on the 3rd. Along with the icing, 2 to 3 inches of sleet and snow fell across the county.
17	Meade	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	Eight to 10 inches of snow fell across Meade County.
18	Meade	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	A man in Meade County died from a heart attack while shoveling snow.
19	Meade	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	Between 10 and 15 inches of snow fell across Meade County.
20	Meade	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Snow totals across Meade County ranged from 4 to 10, the highest being reported across the southern and southeast portions of the county.
21	Meade	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	Between 2 and 4 inches of snow fell across the county.

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
22	Meade	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Ice accumulation was around 0.15 inches and snowfall totaled between 3 and 4 inches across the county.
23	Meade	Zone	1/15/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county.
24	Meade	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county. A public report had 4.5 inches in Brandenburg.
25	Meade	Zone	3/20/2018	Winter Storm	0	0	\$ -	\$ -	Public reports showed that snow totals ranged from 4 to 6 inches across the county.
26	Meade	Zone	11/14/2018	Ice Storm	0	0	\$ -	\$ -	Several full trees were reported down with limbs cracked and snapped.
27	Meade	Zone	2/10/2021	Ice Storm	0	0	\$ -	\$ -	Ice accumulation of 0.4 inches was reported near Flaherty, KY close to the Hardin County line. 0.25 inches of ice was reported in Brandenburg.
28	Meade	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	Heavy sleet and snow totaling 2-4 inches fell in Meade County, KY. Sleet accounted for roughly half of the accumulation.
29	Meade	Zone	2/3/2022	Ice Storm	0	0	\$ -	\$ -	Heavy icing was reported with at least a half inch of ice accumulation. Broken tree branches were also reported due to the heavy glaze.
	TOTALS:				0	0	\$ -	\$ -	

Nelson County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Nelson	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Nelson	Zone	2/3/1998	Heavy Snow	0	0	\$ -	\$ -	
3	Nelson	Zone	1/7/1999	Winter Storm	0	0	\$ -	\$ -	
4	Nelson	Zone	2/15/2003	Ice Storm	0	0	\$ 100,000.00	\$ -	
5	Nelson	Zone	12/22/2004	Ice Storm	0	0	\$ -	\$ -	
6	Nelson	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulated to around 1/4 of an inch.
7	Nelson	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
8	Nelson	Zone	12/15/2008	Winter Storm	0	0	\$ -	\$ -	Three inches of snow measured in Bardstown. Two to 4 inches of snow, mixed with light sleet and freezing rain, fell across the rest of the county.
9	Nelson	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain, mixed with sleet, brought icy 1 to 2 inch accumulations countywide through mid-morning Tuesday, January 27th. Freezing rain developed later that afternoon and glazed surfaces with 1/4 inch of ice. Rain changed to snow after dawn Wednesday and added an additional 1 inch. In Bardstown, a woman died from a fall while moving a heater in the darkened home.
10	Nelson	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Three to 6 inches of snow fell countywide.
11	Nelson	Zone	12/15/2010	Ice Storm	0	0	\$ -	\$ -	Freezing rain brought around one quarter of an inch accumulation at Bardstown.
12	Nelson	Zone	2/7/2011	Heavy Snow	0	0	\$ -	\$ -	Five inches of snow fell near Boston, in western Nelson County.
13	Nelson	Zone	2/2/2014	Heavy Snow	0	0	\$ -	\$ -	Three inches of snow was measured in Bardstown. Farther north, heavier snow fell, accumulating to around 4 inches.
14	Nelson	Zone	2/4/2014	Winter Storm	0	0	\$ -	\$ -	One quarter of an inch of ice was measured on an elevated surface near Bardstown.
15	Nelson	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	An observer measured 2 inches of combined sleet and snow near New Haven. Across the southern portions of Nelson County, sleet accumulations varied from one half to one inch.
16	Nelson	Zone	1/23/2015	Heavy Snow	0	0	\$ -	\$ -	Around 5 inches of snow fell in Deatsville.
17	Nelson	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	Around one foot fell across southern Nelson County, with lessor amounts of around 9 inches measured farther north near Bardstown.
18	Nelson	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	A total snowfall measurement of 22 inches was taken near Bardstown.
19	Nelson	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Snow totals ranged from 8 to 12 inches across the county.
20	Nelson	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	Between 2 and 4 inches of snow fell across the county.

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
21	Nelson	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	Snowfall totals across the county ranged from 2 to 4 inches with ice accumulation around 0.10 inch. This brought widespread travel disruptions, school closings, and difficult driving conditions.
22	Nelson	Zone	1/16/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across the county.
23	Nelson	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	Between 4 and 6 inches of snow fell across Nelson County. A trained spotter reported 4.5 inches near Fredricktown.
24	Nelson	Zone	3/20/2018	Winter Storm	0	0	\$ -	\$ -	Several reports from the county showed totals ranged from 4 to 6 inches. The highest amount was 6 inches in Fredricktown.
25	Nelson	Zone	11/14/2018	Ice Storm	0	0	\$ -	\$ -	There were nearly 1,800 reported without power across the county due to icing.
26	Nelson	Zone	2/10/2021	Ice Storm	0	0	\$ -	\$ -	Ice accumulation of 0.25 to 0.50 inches occurred across Nelson County. The ice knocked numerous trees down, resulting in about 2,000 customers without power in Bardstown.
27	Nelson	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	A heavy mix of sleet and snow totaling around 4 inches impacted Nelson County, KY. About half the accumulation was in the form of sleet and half as snow.
28	Nelson	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	Snowfall amounts across the county ranged from 4 to 9 inches.
29	Nelson	Zone	3/11/2022	Winter Storm	0	0	\$ -	\$ -	Heavy snow accumulation of 4-5 inches reported in Nelson County KY early Saturday, March 12, 2022.
	TOTALS:				0	0	\$ 100,000.00	\$ -	

Washington County Severe Winter Storm Events, Types, Locations, Extent, Impacts, 1996-2022

Count	County	Location	Date	Type	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Washington	Zone	1/6/1996	Heavy Snow	0	0	\$ -	\$ -	
2	Washington	Zone	2/3/1998	Heavy Snow	0	0	\$ -	\$ -	
3	Washington	Zone	2/15/2003	Ice Storm	0	0	\$ 80,000.00	\$ -	
4	Washington	Zone	12/22/2004	Ice Storm	0	0	\$ -	\$ -	
5	Washington	Zone	2/21/2008	Ice Storm	0	0	\$ -	\$ -	Ice accumulated to around 1/4 inch.
6	Washington	Zone	3/7/2008	Heavy Snow	0	0	\$ -	\$ -	
7	Washington	Zone	12/15/2008	Winter Storm	0	0	\$ -	\$ -	One to 2 inches of snow fell across the northern portion of the county. Icing of one quarter of an inch was also noted.
8	Washington	Zone	1/27/2009	Winter Storm	0	0	\$ -	\$ -	Freezing rain and sleet brought icy accumulations of around one inch through mid morning Tuesday, January 27th. Rain changed to snow after dawn on Wednesday, adding an additional inch.
9	Washington	Zone	1/29/2010	Heavy Snow	0	0	\$ -	\$ -	Three to 5 inches of snow fell countywide.
10	Washington	Zone	12/16/2010	Ice Storm	0	0	\$ -	\$ -	Freezing rain brought around one quarter of an inch of ice countywide.
11	Washington	Zone	3/2/2014	Winter Storm	0	0	\$ -	\$ -	The emergency manager relayed a report of an accumulation of two inches of sleet followed by 3 inches of snow.
12	Washington	Zone	1/23/2015	Heavy Snow	0	0	\$ -	\$ -	An estimated 4 to 5 inches of snow accumulated near Willisburg.
13	Washington	Zone	2/16/2015	Heavy Snow	0	0	\$ -	\$ -	From 11 to 13 inches of snow fell across Washington County.
14	Washington	Zone	3/4/2015	Heavy Snow	0	0	\$ -	\$ -	A range of 10 to 16 inches of snow fell across the county.
15	Washington	Zone	1/22/2016	Heavy Snow	0	0	\$ -	\$ -	Snow totals ranged from 10 to 14 inches across the county. The highest amounts were reported across the southeastern portions.
16	Washington	Zone	2/14/2016	Heavy Snow	0	0	\$ -	\$ -	A Co-Op observer in Washington County reported between 4 and 5 inches of snow across the county.
17	Washington	Zone	1/12/2018	Winter Storm	0	0	\$ -	\$ -	The combination of 2 to 4 inches of snow and 0.10 to 0.15 inches of ice resulted in difficult to dangerous driving conditions across the county.
18	Washington	Zone	1/16/2018	Winter Storm	0	0	\$ -	\$ -	Between 3 and 5 inches of snow fell across the county.
19	Washington	Zone	3/11/2018	Winter Storm	0	0	\$ -	\$ -	A trained spotter reported 8 inches of snow in Springfield. There were many reports of power outages and trees down due to the heavy wet snow.
20	Washington	Zone	2/10/2021	Ice Storm	0	0	\$ -	\$ -	Ice accumulation of 0.3 to 0.5 inches occurred near Springfield, KY.
21	Washington	Zone	2/14/2021	Winter Storm	0	0	\$ -	\$ -	Heavy sleet and snow impacted Washington County, KY including 1-2 inches of sleet accumulation.
22	Washington	Zone	1/6/2022	Winter Storm	0	0	\$ -	\$ -	The Washington County Road Department reported 8 to 9 inches of snow in the county.
23	Washington	Zone	3/11/2022	Winter Storm	0	0	\$ -	\$ -	Heavy snow accumulation of 5 inches across Washington County KY reported by county dispatch.
	TOTALS:				0	0	\$ 80,000.00	\$ -	

Probability of Severe Winter Storm as a Function of Frequency

As justified above, the period-of-record for “severe winter storm” events begins in 1996 and spans to the end of 2022.

January 1, 1996 to December 31, 2022 represents:

- 27 years, or
- 324 months, or
- 9,861 days.

Below is a table summarizing the frequency of occurrence for the “severe winter storm” hazard for each of the eight (8) counties comprising the Lincoln Trail Area Development District. Frequency of occurrence is the measure for “probability” used in this analysis.

Regarding the numerator, it should be noted that “severe winter storm” events that occur on the same day are not counted twice, thrice, or multiple times.

Summary of Number of “Severe Winter Storm” Events Per County

<u>County</u>	<u>Number of “Severe Winter Storm” Events</u>
Breckinridge County	31
Grayson County	32
Hardin County	35
LaRue County	28
Marion County	20
Meade County	29
Nelson County	29
Washington County	23

Using the information from the “severe winter storm” summary of number of events per county comprising the Lincoln Trail Area Development District, the following table calculates an average frequency of occurrence that informs the expectations (probability) for future “severe winter storm” events:

Probability of “Severe Winter Storm” as a Function of Frequency

County	# of Events	# of Months	# Events Per Month	Average One Event Every “x” Months ¹	Conversational Translation ²
Breckinridge County	31	324	0.0956790123	10.452	10 Months and 14 Days
Grayson County	32	324	0.0987654321	10.125	10 Months and 4 Days
Hardin County	35	324	0.1080246914	9.257	9 Months and 8 Days
LaRue County	28	324	0.0864197531	11.571	11 Months and 17 Days
Marion County	20	324	0.0617283951	16.200	1 Year and 4 Months
Meade County	29	324	0.0895061728	11.172	11 Months and 5 Days
Nelson County	29	324	0.0895061728	11.172	11 Months and 5 Days
Washington County	23	324	0.0709876543	14.087	1 Year and 2 Months

¹ Calculated either by flipping the numerator and denominator, e.g., 816 months/44 events, or by dividing one (1) by the number of events per month, e.g., [1/(44 events/816 months)].

² Calculated as follows:

- If the “average one event per ‘x’ months exceeds 12 (i.e., one year), then divide the value by 12 months and multiply the resulting partial by 12 months.
- If the “average one event per ‘x’ months” is less than 12 (i.e., less than one year), then multiply the partial by 30 days.

Hail Risk Assessment Appendix

The data to satisfy the previous occurrence, location, type, extent, and impacts requirements of 44 CFR §201.6 for the hail hazard derives from the National Centers for Environmental Information (NCEI) and its Storm Events database. The Storm Events database is populated using National Weather Service (NWS) data collected from self-reports provided through a variety of means.

It is best-available data.

The data spans 1955-2022 (i.e., the end of 2022). See the “Database Details” from the NCEI Storm Events database (<https://www.ncdc.noaa.gov/stormevents/details.jsp>):

“From 1955 through 1992, only tornado, thunderstorm wind and hail events were keyed from the paper publications into digital data. From 1993 to 1995, only tornado, thunderstorm wind and hail events have been extracted from the Unformatted Text Files...From 1996 to present, 48 event types are recorded as defined in [NWS Directive 10-1605](#).”

Breckinridge County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Breckinridge		3/10/1986	Hail	0.75	0	0	\$ -	\$ -	
2	Breckinridge		3/15/1987	Hail	1.75	0	0	\$ -	\$ -	
3	Breckinridge		5/19/1989	Hail	1	0	0	\$ -	\$ -	
4	Breckinridge		5/4/1990	Hail	1	0	0	\$ -	\$ -	
5	Breckinridge		3/21/1991	Hail	0.75	0	0	\$ -	\$ -	
6	Breckinridge		2/21/1993	Hail	1.5	0	0	\$ -	\$ -	
7	Breckinridge	Hardinsburg	5/10/1995	Hail	0.75	0	0	\$ -	\$ -	Breckinridge County dispatch reports three-quarters inch hail.
8	Breckinridge	Kingswood	5/26/1996	Hail	1.75	0	0	\$ -	\$ -	
9	Breckinridge	Hardinsburg	3/28/1997	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg	3/28/1997	Hail	1.75	0	0	\$ -	\$ -	
10	Breckinridge	Cloverport	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	
	Breckinridge	Irvington	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	Hail covered the ground.
	Breckinridge	Hardinsburg	5/23/2000	Hail	2.75	0	0	\$ 15,000.00	\$ -	Cars were damaged by hail at Hardinsburg.
	Breckinridge	Hudson	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	Hail was also reported at Madrid and at Rough River Lake.
11	Breckinridge	Locust Hill	4/17/2002	Hail	0.88	0	0	\$ -	\$ -	
12	Breckinridge	Irvington	5/1/2002	Hail	2	0	0	\$ -	\$ -	
13	Breckinridge	Irvington	11/10/2002	Hail	0.75	0	0	\$ -	\$ -	
14	Breckinridge	Cloverport	4/20/2003	Hail	0.75	0	0	\$ -	\$ -	
	Breckinridge	Cloverport	4/20/2003	Hail	0.75	0	0	\$ -	\$ -	
15	Breckinridge	Webster	5/8/2003	Hail	1.75	0	0	\$ -	\$ -	
16	Breckinridge	Hardinsburg	5/15/2003	Hail	0.75	0	0	\$ -	\$ -	
17	Breckinridge	Custer	5/26/2004	Hail	0.75	0	0	\$ -	\$ -	
18	Breckinridge	Hardinsburg	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	
19	Breckinridge	Cloverport	4/7/2006	Hail	1	0	0	\$ -	\$ -	
20	Breckinridge	Irvington	5/25/2006	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg	5/25/2006	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	Cloverport	5/25/2006	Hail	0.75	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg	5/25/2006	Hail	1	0	0	\$ -	\$ -	
21	Breckinridge	McDaniels	6/20/2006	Hail	1	0	0	\$ -	\$ -	
22	Breckinridge	Custer	1/29/2008	Hail	0.75	0	0	\$ -	\$ -	
23	Breckinridge	Irvington	4/10/2009	Hail	0.75	0	0	\$ -	\$ -	
24	Breckinridge	Cloverport	4/13/2009	Hail	1	0	0	\$ -	\$ -	
25	Breckinridge	Mooleyville	6/3/2009	Hail	1.75	0	0	\$ -	\$ -	
	Breckinridge	Mooleyville	6/3/2009	Hail	1	0	0	\$ -	\$ -	Emergency manager also estimated wind gusts around 60 mph.

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
26	Breckinridge	Hardinsburg Airport	6/11/2009	Hail	0.88	0	0	\$ -	\$ -	
27	Breckinridge	McDaniels	5/15/2010	Hail	1	0	0	\$ -	\$ -	
28	Breckinridge	Harned	5/17/2010	Hail	1.25	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg Airport	5/17/2010	Hail	0.88	0	0	\$ -	\$ -	
29	Breckinridge	McQuady	3/23/2011	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	Garfield	3/23/2011	Hail	1	0	0	\$ -	\$ -	
30	Breckinridge	Big Spring	4/23/2011	Hail	1	0	0	\$ -	\$ -	Quarter sized hail covered the roadways.
	Breckinridge	Hardinsburg Airport	4/23/2011	Hail	1	0	0	\$ -	\$ -	A Ham radio operator relayed two reports of quarter sized hail.
31	Breckinridge	McDaniels	4/26/2011	Hail	0.88	0	0	\$ -	\$ -	
	Breckinridge	Cloverport	4/26/2011	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	McQuady	4/26/2011	Hail	1	0	0	\$ -	\$ -	
32	Breckinridge	Cloverport	6/15/2011	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	McDaniels	6/15/2011	Hail	1.5	0	0	\$ -	\$ -	
33	Breckinridge	Hardinsburg Airport	3/15/2012	Hail	1	0	0	\$ -	\$ -	
34	Breckinridge	McDaniels	4/26/2012	Hail	1	0	0	\$ -	\$ -	A trained spotter reported one inch hail near McDaniel's. In addition, a tree was reported downed across State Highway 259 near the same location.
35	Breckinridge	Custer	5/1/2012	Hail	1	0	0	\$ -	\$ -	
36	Breckinridge	Union Star	5/31/2012	Hail	1	0	0	\$ -	\$ -	One inch hail was reported between the towns of Sample and Union Star.
	Breckinridge	Irvington	5/31/2012	Hail	1	0	0	\$ -	\$ -	
37	Breckinridge	Garfield	4/17/2013	Hail	1.75	0	0	\$ -	\$ -	Ping pong to golf ball sized hail fell in Hensley.
	Breckinridge	Basin Spring	4/17/2013	Hail	1	0	0	\$ -	\$ -	Broadcast media relayed a report of quarter-sized hail south of Irvington.
	Breckinridge	Irvington	4/17/2013	Hail	1.5	0	0	\$ -	\$ -	Ping pong sized hail fell in Irvington.
38	Breckinridge	McDaniels	10/6/2014	Hail	1.25	0	0	\$ -	\$ -	A spotter reported 1 inch hail that fell for 15 minutes. A few hail stones approached the size of one half dollar.
39	Breckinridge	Harned	4/2/2015	Hail	0.75	0	0	\$ -	\$ -	The county Emergency Manager reported penny size hail.
	Breckinridge	Garfield	4/2/2015	Hail	1	0	0	\$ -	\$ -	The county Emergency Manager reported 1 inch diameter hail fell in Garfield.
40	Breckinridge	Custer	5/1/2016	Hail	0.75	0	0	\$ -	\$ -	The public reported penny sized hail.
41	Breckinridge	Hardinsburg Airport	5/10/2016	Hail	0.88	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg Airport	5/10/2016	Hail	1	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg Airport	5/10/2016	Hail	1	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
42	Breckinridge	Hardinsburg Airport	4/5/2017	Hail	0.88	0	0	\$ -	\$ -	
	Breckinridge	Harned	4/5/2017	Hail	1.5	0	0	\$ -	\$ -	
	Breckinridge	Dugan	4/5/2017	Hail	0.88	0	0	\$ -	\$ -	
	Breckinridge	Hardinsburg	4/5/2017	Hail	0.75	0	0	\$ -	\$ -	
43	Breckinridge	McDaniels	7/20/2018	Hail	1	0	0	\$ -	\$ -	
44	Breckinridge	Union Star	5/19/2022	Hail	1.75	0	0	\$ -	\$ -	Hail of between quarter and golf ball size was observed along Highway 259 near the Union Star community.
	Breckinridge	McQuady	5/19/2022	Hail	1.75	0	0	\$ -	\$ -	Golf ball-sized hail was observed in the McQuady community.
	Breckinridge	Kingswood	5/19/2022	Hail	1.5	0	0	\$ -	\$ -	Ping pong-ball sized hail was observed south of Harned.
		TOTALS:				0	0	\$ 15,000.00	\$ -	

Grayson County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Grayson		4/6/1978	Hail	1.75	0	0	\$ -	\$ -	
2	Grayson		3/20/1982	Hail	2	0	0	\$ -	\$ -	
3	Grayson		6/8/1982	Hail	0.75	0	0	\$ -	\$ -	
4	Grayson		5/6/1984	Hail	2	0	0	\$ -	\$ -	
5	Grayson		5/14/1986	Hail	0.75	0	0	\$ -	\$ -	
	Grayson		5/14/1986	Hail	1	0	0	\$ -	\$ -	
6	Grayson		9/23/1988	Hail	1.75	0	0	\$ -	\$ -	
7	Grayson		11/15/1989	Hail	3	0	0	\$ -	\$ -	
8	Grayson		2/21/1993	Hail	1.5	0	0	\$ 500.00	\$ -	
9	Grayson	Caneyville	4/15/1993	Hail	1	0	0	\$ 500.00	\$ -	
10	Grayson	Leitchfield	4/9/1995	Hail	1.75	0	0	\$ 30,000.00	\$ -	
11	Grayson	Creal	4/18/1995	Hail	1.5	0	0	\$ -	\$ -	
12	Grayson	Leitchfield	3/28/1997	Hail	1.75	0	0	\$ -	\$ -	
13	Grayson	Leitchfield	4/8/1998	Hail	0.75	0	0	\$ -	\$ -	
14	Grayson	Leitchfield	4/15/1998	Hail	1.5	0	0	\$ -	\$ -	1 1/2 inch hail reported by spotter.
15	Grayson	Caneyville	5/23/2000	Hail	0.75	0	0	\$ -	\$ -	
	Grayson	Shrewsbury	5/23/2000	Hail	0.75	0	0	\$ -	\$ -	
	Grayson	Anneta	5/23/2000	Hail	1	0	0	\$ -	\$ -	
	Grayson	Anneta	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	
16	Grayson	Millerstown	4/14/2002	Hail	1.75	0	0	\$ -	\$ -	
	Grayson	Iberia	4/14/2002	Hail	1.75	0	0	\$ -	\$ -	
17	Grayson	Leitchfield	4/24/2002	Hail	0.88	0	0	\$ -	\$ -	
18	Grayson	Leitchfield	5/2/2002	Hail	0.75	0	0	\$ -	\$ -	
19	Grayson	Caneyville	5/4/2003	Hail	0.75	0	0	\$ -	\$ -	
	Grayson	Sadler	5/4/2003	Hail	1.75	0	0	\$ -	\$ -	
	Grayson	Leitchfield	5/4/2003	Hail	0.75	0	0	\$ -	\$ -	Highway 54 was turned white due to a covering of hail.
	Grayson	Leitchfield	5/4/2003	Hail	0.75	0	0	\$ -	\$ -	
20	Grayson	Caneyville	5/5/2003	Hail	1	0	0	\$ -	\$ -	
	Grayson	Caneyville	5/5/2003	Hail	2	0	0	\$ -	\$ -	
21	Grayson	Big Clifty	5/15/2003	Hail	1	0	0	\$ -	\$ -	
22	Grayson	Leitchfield	6/1/2004	Hail	1	0	0	\$ -	\$ -	
	Grayson	Leitchfield	6/1/2004	Hail	0.88	0	0	\$ -	\$ -	
23	Grayson	Leitchfield	1/2/2006	Hail	1.75	0	0	\$ -	\$ -	
	Grayson	Shrewsbury	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	
	Grayson	Leitchfield	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	
24	Grayson	Caneyville	4/16/2006	Hail	0.75	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
25	Grayson	Big Clifty	5/25/2006	Hail	2	0	0	\$ -	\$ -	
26	Grayson	Eveleigh	4/3/2007	Hail	1	0	0	\$ -	\$ -	
27	Grayson	Caneyville	10/18/2007	Hail	1	0	0	\$ -	\$ -	
28	Grayson	Broad Ford	6/9/2008	Hail	1	0	0	\$ -	\$ -	
	Grayson	Broad Ford	6/9/2008	Hail	1	0	0	\$ -	\$ -	
29	Grayson	Leitchfield	7/8/2008	Hail	0.75	0	0	\$ -	\$ -	Winds estimated at 50 mph were also reported.
30	Grayson	Millerstown	3/8/2009	Hail	0.75	0	0	\$ -	\$ -	
31	Grayson	Leitchfield	3/28/2009	Hail	0.75	0	0	\$ -	\$ -	
32	Grayson	Clarkson	4/13/2009	Hail	0.88	0	0	\$ -	\$ -	
33	Grayson	Church	6/11/2009	Hail	0.88	0	0	\$ -	\$ -	
34	Grayson	Clarkson	5/15/2010	Hail	1.5	0	0	\$ -	\$ -	
35	Grayson	Big Clifty	6/2/2010	Hail	1	0	0	\$ -	\$ -	
36	Grayson	Leitchfield	4/19/2011	Hail	0.88	0	0	\$ -	\$ -	
37	Grayson	Short Creek	4/26/2011	Hail	1	0	0	\$ -	\$ -	
	Grayson	Duff	4/26/2011	Hail	1	0	0	\$ -	\$ -	
38	Grayson	Yeaman	6/15/2011	Hail	2.5	0	0	\$ -	\$ -	Hail up to the size of tennis balls fell from a supercell that had earlier split.
	Grayson	Clarkson	6/15/2011	Hail	1	0	0	\$ -	\$ -	
39	Grayson	Leitchfield	2/29/2012	Hail	1.75	0	0	\$ -	\$ -	
	Grayson	Big Clifty	2/29/2012	Hail	1	0	0	\$ -	\$ -	
	Grayson	Big Clifty	2/29/2012	Hail	1	0	0	\$ -	\$ -	
40	Grayson	Caneyville	3/2/2012	Hail	1	0	1	\$ -	\$ -	
	Grayson	Caneyville	3/2/2012	Hail	1.75	0	0	\$ -	\$ -	
	Grayson	Leitchfield	3/2/2012	Hail	1.75	0	0	\$ -	\$ -	A hail estimate from a convenience store west of Leitchfield indicated over 2 inch hail.

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
41	Grayson	Caneyville	4/3/2014	Hail	1.75	0	0	\$ -	\$ -	The Grayson County emergency dispatch relayed a report concerning golf-ball sized hail that cracked windshields.
	Grayson	Leitchfield	4/3/2014	Hail	1.75	0	0	\$ -	\$ -	A swath of large hail stretching all the way back west towards Caneyville brought 1.75 inch hail to Leitchfield.
42	Grayson	Skaggsstown	6/23/2014	Hail	1.5	0	0	\$ -	\$ -	A spotter reported high winds and ping pong sized hail. This storm was the only one during the whole afternoon that briefly acquired supercell characteristics.
43	Grayson	Leitchfield	10/6/2014	Hail	1	0	0	\$ -	\$ -	
	Grayson	Clarkson	10/6/2014	Hail	1	0	0	\$ -	\$ -	A Facebook image showed quarter sized hail that fell in Clarkson.
44	Grayson	Leitchfield	4/2/2015	Hail	0.75	0	0	\$ -	\$ -	The public reported penny-sized hail.
	Grayson	Shrewsbury	4/2/2015	Hail	0.88	0	0	\$ -	\$ -	The public reported nickel size hail.
45	Grayson	Short Creek	12/23/2015	Hail	0.88	0	0	\$ -	\$ -	A trained spotter reported that dime sized hail fell.
46	Grayson	Spring Lick	5/26/2016	Hail	1.5	0	0	\$ -	\$ -	
47	Grayson	Clarkson	7/2/2019	Hail	1	0	0	\$ -	\$ -	One inch hail was reported by the media.
		TOTALS:				0	1	\$ 31,000.00	\$ -	

Hardin County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Hardin		3/6/1974	Hail	1	0	0	\$ -	\$ -	
2	Hardin		3/29/1974	Hail	1.75	0	0	\$ -	\$ -	
3	Hardin		4/3/1974	Hail	4.5	0	0	\$ -	\$ -	
4	Hardin		7/13/1975	Hail	1.75	0	0	\$ -	\$ -	
5	Hardin		8/12/1975	Hail	0.75	0	0	\$ -	\$ -	
6	Hardin		8/29/1979	Hail	0.75	0	0	\$ -	\$ -	
7	Hardin		3/10/1986	Hail	1.75	0	0	\$ -	\$ -	
8	Hardin		5/14/1986	Hail	0.75	0	0	\$ -	\$ -	
	Hardin		5/14/1986	Hail	0.75	0	0	\$ -	\$ -	
9	Hardin		6/12/1987	Hail	1	0	0	\$ -	\$ -	
10	Hardin		9/23/1988	Hail	1	0	0	\$ -	\$ -	
11	Hardin		6/13/1989	Hail	1.75	0	0	\$ -	\$ -	
12	Hardin		5/14/1991	Hail	1.75	0	0	\$ -	\$ -	
13	Hardin		6/18/1992	Hail	1	0	0	\$ -	\$ -	
14	Hardin		4/15/1993	Hail	1.75	0	0	\$ -	\$ -	
15	Hardin	Radcliff	5/10/1995	Hail	0.75	0	0	\$ -	\$ -	Hardin County Department of Emergency Service reports three-quarters inch hail.
16	Hardin	Ft. Knox	6/9/1995	Hail	1	0	0	\$ -	\$ -	Quarter-size hail reported.
17	Hardin	Rineyville	3/6/1996	Hail	1.75	0	0	\$ -	\$ -	
18	Hardin	Elizabethtown	7/2/1996	Hail	1.75	0	0	\$ -	\$ -	
19	Hardin	Radcliff	3/28/1997	Hail	0.75	0	0	\$ -	\$ -	
20	Hardin	Rineyville	4/28/1999	Hail	0.75	0	0	\$ -	\$ -	
21	Hardin	Cecilia	5/23/2000	Hail	1.75	0	0	\$ -	\$ -	Hail covered the ground.
	Hardin	Ft. Knox	5/23/2000	Hail	0.75	0	0	\$ -	\$ -	Hail was observed at Godman Army Air Field at Fort Knox.
	Hardin	Elizabethtown	5/23/2000	Hail	0.75	0	0	\$ -	\$ -	
22	Hardin	Sonora	6/4/2001	Hail	0.75	0	0	\$ -	\$ -	
23	Hardin	Howe Valley	10/24/2001	Hail	1.75	0	0	\$ -	\$ -	
24	Hardin	Ft. Knox	3/29/2002	Hail	1	0	0	\$ -	\$ -	The army air field at Fort Knox also recorded a 42 knot wind gust and observed a funnel cloud.
	Hardin	West Point	3/29/2002	Hail	1.75	0	0	\$ -	\$ -	
25	Hardin	Ft. Knox	5/1/2002	Hail	2.75	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	5/1/2002	Hail	2.75	0	0	\$ -	\$ -	
26	Hardin	Hardin SPGS	4/5/2003	Hail	0.75	0	0	\$ -	\$ -	
27	Hardin	West Point	5/15/2003	Hail	1.5	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
28	Hardin	Elizabethtown	7/13/2004	Hail	1.75	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	7/13/2004	Hail	1.75	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	7/13/2004	Hail	1	0	0	\$ -	\$ -	
29	Hardin	Sonora	4/22/2005	Hail	0.75	0	0	\$ -	\$ -	
	Hardin	Glendale	4/22/2005	Hail	1	0	0	\$ -	\$ -	
30	Hardin	Radcliff	8/7/2005	Hail	0.75	0	0	\$ -	\$ -	
31	Hardin	Sonora	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	
	Hardin	Sonora	1/2/2006	Hail	1.75	0	0	\$ -	\$ -	Hail reported at Upton.
32	Hardin	Sonora	3/13/2006	Hail	1.25	0	0	\$ -	\$ -	
33	Hardin	Rineyville	5/25/2006	Hail	1.75	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	5/25/2006	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	5/25/2006	Hail	0.75	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	5/25/2006	Hail	1	0	0	\$ -	\$ -	
	Hardin	Eastview	5/25/2006	Hail	0.75	0	0	\$ -	\$ -	Penny size hail fell along the Western Kentucky Parkway.
34	Hardin	Sonora	6/19/2006	Hail	1	0	0	\$ -	\$ -	
35	Hardin	Elizabethtown	9/22/2006	Hail	1	0	0	\$ -	\$ -	
36	Hardin	West Point	4/3/2007	Hail	1.75	0	0	\$ -	\$ -	
37	Hardin	Glendale	6/2/2009	Hail	1	0	0	\$ -	\$ -	
	Hardin	Glendale	6/2/2009	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Glendale	6/2/2009	Hail	1	0	0	\$ -	\$ -	
38	Hardin	Rogersville	6/3/2009	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Longview	6/3/2009	Hail	0.88	0	0	\$ -	\$ -	Spotter reported 50 mph winds along with nickle sized hail.
39	Hardin	Elizabethtown	6/17/2009	Hail	0.88	0	0	\$ -	\$ -	
40	Hardin	Glendale Junction	5/15/2010	Hail	0.88	0	0	\$ -	\$ -	
41	Hardin	Howe Valley	5/17/2010	Hail	1.25	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	5/17/2010	Hail	1	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	5/17/2010	Hail	1	0	0	\$ -	\$ -	
42	Hardin	Radcliff	3/23/2011	Hail	1	0	0	\$ -	\$ -	Pea to quarter sized hail was reported.
43	Hardin	Elizabethtown	4/20/2011	Hail	0.88	0	0	\$ -	\$ -	
44	Hardin	Vine Grove	4/23/2011	Hail	0.88	0	0	\$ -	\$ -	Nickel sized hail was reported between Elizabethtown and Radcliff.
45	Hardin	Eastview	4/26/2011	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	4/26/2011	Hail	0.88	0	0	\$ -	\$ -	Hail was reported on St. John's Rd.
46	Hardin	Elizabethtown	3/15/2012	Hail	1	0	0	\$ -	\$ -	
47	Hardin	Elizabethtown	7/19/2012	Hail	1.75	0	0	\$ -	\$ -	Golf ball sized hail was reported near Elizabethtown on the Western Kentucky Parkway around mile marker 125.
48	Hardin	Rogersville	12/17/2012	Hail	1	0	0	\$ -	\$ -	One inch hail fell along State Highway 31W north of Highway 313.
49	Hardin	Elizabethtown	5/22/2014	Hail	1.25	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
50	Hardin	Elizabethtown	4/25/2015	Hail	0.88	0	0	\$ -	\$ -	The public reported nickel size hail in Elizabethtown.
51	Hardin	Vertrees	5/10/2016	Hail	0.88	0	0	\$ -	\$ -	In addition to the hail, 40 to 45 mph wind gusts were observed.
	Hardin	Perryville	5/10/2016	Hail	1	0	0	\$ -	\$ -	A trained spotter reported quarter size hail near Blueball Hill.
	Hardin	North Four Corners	5/10/2016	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Longview	5/10/2016	Hail	0.75	0	0	\$ -	\$ -	A trained spotter reported pea to penny size hail, along with wind gusts estimated to be near 50 mph.
	Hardin	Vertrees	5/10/2016	Hail	1	0	0	\$ -	\$ -	
	Hardin	Rogersville	5/10/2016	Hail	0.75	0	0	\$ -	\$ -	
	Hardin	Cecilia	5/10/2016	Hail	0.88	0	0	\$ -	\$ -	
52	Hardin	Kraft	5/11/2016	Hail	0.75	0	0	\$ -	\$ -	
53	Hardin	Rineyville	3/27/2017	Hail	1	0	0	\$ -	\$ -	
	Hardin	Rogersville	3/27/2017	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Longview	3/27/2017	Hail	1	0	0	\$ -	\$ -	
	Hardin	Howe Valley	3/27/2017	Hail	1	0	0	\$ -	\$ -	
54	Hardin	Gaithers	3/30/2017	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Martin Box	3/30/2017	Hail	1	0	0	\$ -	\$ -	
55	Hardin	Martin Box	4/5/2017	Hail	0.88	0	0	\$ -	\$ -	
	Hardin	Elizabethtown	4/5/2017	Hail	1	0	0	\$ -	\$ -	
56	Hardin	Vine Grove	4/3/2018	Hail	1	0	0	\$ -	\$ -	NWS employee reported 1 inch hail.
	Hardin	Vine Grove	4/3/2018	Hail	1.75	0	0	\$ -	\$ -	
57	Hardin	Howe Valley	4/13/2022	Hail	1	0	0	\$ -	\$ -	Quarter size hail was reported in Howe Valley.
	Hardin	Rogersville	4/13/2022	Hail	2.75	0	0	\$ -	\$ -	There was a report of baseball sized hail near Radcliff.
58	Hardin	Colesburg	5/19/2022	Hail	2	0	0	\$ -	\$ -	Two inch hail was observed in the Colesburg community.
	Hardin	Colesburg	5/19/2022	Hail	1	0	0	\$ -	\$ -	Quarter-sized hail was observed along US 62 east of Elizabethtown. Hail caused minor damage to a commercial greenhouse.
	Hardin	Colesburg	5/19/2022	Hail	2	0	0	\$ -	\$ -	Two inch hail was observed near the Hardin and Nelson County line.
		TOTALS:				0	0	\$ -	\$ -	

LaRue County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	LaRue		4/2/1956	Hail	1	0	0	\$ -	\$ -	
2	LaRue		5/25/1962	Hail	1.75	0	0	\$ -	\$ -	
3	LaRue		8/29/1979	Hail	0.75	0	0	\$ -	\$ -	
4	LaRue		8/24/1983	Hail	1.75	0	0	\$ -	\$ -	
5	LaRue		3/12/1986	Hail	0.75	0	0	\$ -	\$ -	
6	LaRue		5/14/1986	Hail	0.75	0	0	\$ -	\$ -	
7	LaRue		5/15/1990	Hail	0.75	0	0	\$ -	\$ -	
8	LaRue		7/30/1992	Hail	1.75	0	0	\$ -	\$ -	
9	LaRue	Hodgenville	3/29/2002	Hail	0.75	0	0	\$ -	\$ -	
10	LaRue	Lyons	5/1/2002	Hail	1	0	0	\$ -	\$ -	
11	LaRue	Buffalo	5/15/2003	Hail	0.75	0	0	\$ -	\$ -	
12	LaRue	Mathers Mill	1/2/2006	Hail	2	0	0	\$ -	\$ -	
13	LaRue	Buffalo	3/13/2006	Hail	0.88	0	0	\$ -	\$ -	
14	LaRue	Hodgenville	4/20/2006	Hail	0.75	0	0	\$ -	\$ -	
15	LaRue	Hodgenville	5/25/2006	Hail	0.88	0	0	\$ -	\$ -	
16	LaRue	Maxine	6/19/2006	Hail	0.75	0	0	\$ -	\$ -	
17	LaRue	Magnolia	4/3/2007	Hail	0.75	0	0	\$ -	\$ -	
	LaRue	Magnolia	4/3/2007	Hail	2.5	0	0	\$ -	\$ -	
18	LaRue	Hodgenville	6/23/2007	Hail	1	0	0	\$ -	\$ -	
	LaRue	Hodgenville	6/23/2007	Hail	1	0	0	\$ -	\$ -	
19	LaRue	Upton	6/17/2009	Hail	0.88	0	0	\$ -	\$ -	
20	LaRue	Brooks	4/24/2010	Hail	0.88	0	0	\$ -	\$ -	
	LaRue	Brooks	4/24/2010	Hail	0.88	0	0	\$ -	\$ -	
21	LaRue	Upton	5/15/2010	Hail	1	0	0	\$ -	\$ -	
	LaRue	Magnolia	5/15/2010	Hail	1	0	0	\$ -	\$ -	
22	LaRue	Mathers Mill	6/2/2010	Hail	0.88	0	0	\$ -	\$ -	
23	LaRue	Gatton	3/15/2012	Hail	1.5	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
24	LaRue	Magnolia	4/17/2013	Hail	1	0	0	\$ -	\$ -	A spotter reported 1 inch hail around 8 miles south of Hodgenville.
	LaRue	Hodgenville	4/17/2013	Hail	1	0	0	\$ -	\$ -	A spotter located 6 miles west-southwest of Hodgenville reported one inch hail.
25	LaRue	Hodgenville	5/19/2013	Hail	1	0	0	\$ -	\$ -	A National Weather service employee reported one inch hail in Hodgenville. A spotter also reported hail at around this same time 2 miles northwest of Hodgenville.
	LaRue	Hodgenville	5/19/2013	Hail	1.75	0	0	\$ -	\$ -	A spotter reported golf-ball sized hail in Hodgenville.
26	LaRue	White City	4/8/2015	Hail	0.75	0	0	\$ -	\$ -	Broadcast media relayed to the NWS that penny size hail fell in White City.
27	LaRue	Hodgenville	12/23/2015	Hail	0.75	0	0	\$ -	\$ -	The public reported that hail up to 3/4 inch in diameter fell.
28	LaRue	Attilla	5/10/2016	Hail	1	0	0	\$ -	\$ -	
	LaRue	Upton	5/10/2016	Hail	0.75	0	0	\$ -	\$ -	
29	LaRue	Upton	5/26/2016	Hail	0.88	0	0	\$ -	\$ -	
30	LaRue	Hodgenville	7/5/2020	Hail	1	0	0	\$ -	\$ -	A picture of quarter size hail posted on social media.
	LaRue	Hodgenville	7/5/2020	Hail	1	0	0	\$ -	\$ -	
	LaRue	Tonieville	7/5/2020	Hail	1	0	0	\$ -	\$ -	
		TOTALS:				0	0	\$ -	\$ -	

Marion County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts; Event Narrative
1	Marion		12/24/1964	Hail	1.75	0	0	\$ -	\$ -	
2	Marion		4/23/1968	Hail	1	0	0	\$ -	\$ -	
3	Marion		5/7/1971	Hail	1.75	0	0	\$ -	\$ -	
4	Marion		8/6/1979	Hail	1	0	0	\$ -	\$ -	
5	Marion		8/5/1983	Hail	0.75	0	0	\$ -	\$ -	
6	Marion		11/15/1989	Hail	0.75	0	0	\$ -	\$ -	
7	Marion		6/7/1990	Hail	1.75	0	0	\$ -	\$ -	
8	Marion		6/18/1992	Hail	0.75	0	0	\$ -	\$ -	
9	Marion		5/25/1994	Hail	0	0	0	\$ -	\$ -	A cooperative observer reported dime sized hail.
10	Marion		5/10/1995	Hail	1	0	0	\$ -	\$ -	Public reports one inch hail along county line.
11	Marion		5/14/1995	Hail	2.75	0	0	\$ 5,000,000.00	\$ -	Hundreds of cars and homes damaged by baseball-size hail.
12	Marion	Lebanon	4/29/1996	Hail	0.75	0	0	\$ -	\$ -	
13	Marion	Jessietown	4/15/1998	Hail	1	0	0	\$ -	\$ -	
14	Marion	Loretto	4/28/2002	Hail	0.75	0	0	\$ -	\$ -	
	Marion	Lebanon	4/28/2002	Hail	0.88	0	0	\$ -	\$ -	
15	Marion	St. Mary	5/1/2002	Hail	4.5	0	0	\$ 100,000.00	\$ -	Hail damaged homes and vehicles.
	Marion	Lebanon	5/1/2002	Hail	1.75	0	2	\$ 30,000.00	\$ -	Two people were struck by hail and taken to the hospital. Hail knocked the windows out of several buildings and at least three police cruisers.
16	Marion	Bradfordsville	5/5/2003	Hail	0.75	0	0	\$ -	\$ -	
17	Marion	Raywick	3/13/2006	Hail	0.75	0	0	\$ -	\$ -	
	Marion	Loretto	3/13/2006	Hail	0.75	0	0	\$ -	\$ -	
18	Marion	Jessietown	4/3/2007	Hail	1.75	0	0	\$ -	\$ -	
19	Marion	Lebanon	3/23/2011	Hail	0.88	0	0	\$ -	\$ -	A trained spotter reported pea to nickel sized hail covering the ground near spring view hospital.
	Marion	Lebanon	3/23/2011	Hail	0.75	0	0	\$ -	\$ -	Up to penny size hail was covering the ground.
	Marion	Gravel Switch	3/23/2011	Hail	1	0	0	\$ -	\$ -	Quarter sized hail was covering the ground.
20	Marion	Gravel Switch	3/2/2012	Hail	1.75	0	0	\$ -	\$ -	
	Marion	Gravel Switch	3/2/2012	Hail	1.75	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts; Event Narrative
21	Marion	Greenbriar	7/13/2013	Hail	1.5	0	0	\$ -	\$ -	
	Marion	Lebanon	7/13/2013	Hail	1	0	0	\$ -	\$ -	
	Marion	Burkes Spring	7/13/2013	Hail	1.25	0	0	\$ -	\$ -	
	Marion	Raywick	7/13/2015	Hail	1.25	0	0	\$ -	\$ -	A trained spotter reported hail 1.25 inches in diameter.
22	Marion	Jessietown	5/10/2016	Hail	1.25	0	0	\$ -	\$ -	Half dollar size hail fell near Jessietown.
23	Marion	Gravel Switch	10/20/2016	Hail	1	0	0	\$ -	\$ -	The public reported quarter sized hail.
24	Marion	Loretto	7/20/2018	Hail	1.25	0	0	\$ -	\$ -	
	Marion	Lebanon	7/20/2018	Hail	1	0	0	\$ -	\$ -	There was a report of hail at Bedrock Lane.
	Marion	Penicks	7/20/2018	Hail	1	0	0	\$ -	\$ -	
25	Marion	Calvary	5/18/2022	Hail	1.5	0	0	\$ -	\$ -	Ping pong ball-sized hail was reported along East Calvary Road.
		TOTALS:				0	2	\$ 5,130,000.00	\$ -	

Meade County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Meade		3/4/1955	Hail	1	0	0	\$ -	\$ -	
	Meade		3/4/1955	Hail	0.75	0	0	\$ -	\$ -	
2	Meade		5/25/1968	Hail	0.75	0	0	\$ -	\$ -	
3	Meade		4/3/1974	Hail	1.75	0	0	\$ -	\$ -	
4	Meade		6/13/1987	Hail	0.75	0	0	\$ -	\$ -	
5	Meade		4/3/1989	Hail	1.5	0	0	\$ -	\$ -	
6	Meade		7/8/1991	Hail	1	0	0	\$ -	\$ -	
7	Meade	Midway	6/9/1995	Hail	1.75	0	0	\$ -	\$ -	Golf ball-size hail reported by law enforcement officials.
8	Meade	Battletown	5/26/1996	Hail	1.75	0	0	\$ -	\$ -	
9	Meade	Guston	11/9/2000	Hail	0.75	0	0	\$ -	\$ -	
10	Meade	Ekron	2/20/2002	Hail	0.75	0	0	\$ -	\$ -	
11	Meade	Wolf Creek	3/29/2002	Hail	0.75	0	0	\$ -	\$ -	
	Meade	Payneville	3/29/2002	Hail	1.5	0	0	\$ -	\$ -	
	Meade	Brandenburg	3/29/2002	Hail	1.75	0	0	\$ 10,000.00	\$ -	Vehicles were damaged by large hail.
	Meade	Doe Valley Estates	3/29/2002	Hail	1.75	0	0	\$ 100,000.00	\$ -	Roofs were destroyed, siding on homes was destroyed, windows were shattered, gutters and vehicles were dented. The ground was covered by golfball size hail.
12	Meade	Andyville	4/24/2002	Hail	0.75	0	0	\$ -	\$ -	
13	Meade	Payneville	5/1/2002	Hail	1.75	0	0	\$ -	\$ -	
	Meade	Brandenburg	5/1/2002	Hail	2	0	0	\$ -	\$ -	
14	Meade	Battletown	11/10/2002	Hail	1.75	0	0	\$ -	\$ -	
15	Meade	Concordia	4/20/2003	Hail	1.5	0	0	\$ -	\$ -	
	Meade	Ekron	4/20/2003	Hail	1.75	0	0	\$ -	\$ -	
16	Meade	Guston	5/8/2003	Hail	1.75	0	0	\$ -	\$ -	
	Meade	Brandenburg	5/8/2003	Hail	1.75	0	0	\$ -	\$ -	
17	Meade	Battletown	8/22/2003	Hail	0.75	0	0	\$ -	\$ -	
18	Meade	Wolf Creek	5/27/2004	Hail	2.5	0	0	\$ -	\$ -	
19	Meade	Brandenburg	7/13/2004	Hail	1	0	0	\$ -	\$ -	
20	Meade	Doe Valley Estates	5/19/2005	Hail	0.88	0	0	\$ -	\$ -	
	Meade	Brandenburg	5/19/2005	Hail	0.88	0	0	\$ -	\$ -	
21	Meade	Brandenburg	1/2/2006	Hail	1	0	0	\$ -	\$ -	
	Meade	Brandenburg	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	
22	Meade	Payneville	4/2/2006	Hail	0.88	0	0	\$ -	\$ -	
23	Meade	Payneville	4/7/2006	Hail	1	0	0	\$ -	\$ -	
24	Meade	Wolf Creek	4/20/2006	Hail	0.75	0	0	\$ -	\$ -	

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
25	Meade	Battletown	4/3/2007	Hail	1	0	0	\$ -	\$ -	
	Meade	Brandenburg	4/3/2007	Hail	1	0	0	\$ -	\$ -	
	Meade	Brandenburg	4/3/2007	Hail	1.75	0	0	\$ -	\$ -	
26	Meade	Battletown	8/5/2008	Hail	0.88	0	0	\$ -	\$ -	
27	Meade	Sirocco	4/13/2009	Hail	1	0	0	\$ -	\$ -	Hail reported on HWY 144 near Sirocco.
	Meade	Brandenburg	4/13/2009	Hail	1	0	0	\$ -	\$ -	
28	Meade	Garrett	6/3/2009	Hail	0.88	0	0	\$ -	\$ -	Dime to nickel size hail was falling near Highway 60 and Highway 144.
29	Meade	Brandenburg	3/2/2012	Hail	2.75	0	0	\$ -	\$ -	Baseball-sized hail was observed near Brandenburg.
	Meade	Doe Valley Estates	3/2/2012	Hail	1.25	0	0	\$ -	\$ -	A spotter reported half dollar sized hail near Doe Valley Lake.
30	Meade	Rhodelia	3/14/2012	Hail	1.5	0	0	\$ -	\$ -	
31	Meade	Brandenburg	3/17/2012	Hail	1	0	0	\$ -	\$ -	
32	Meade	Brandenburg	5/29/2012	Hail	1	0	0	\$ -	\$ -	
33	Meade	Brandenburg	4/25/2015	Hail	1	0	0	\$ -	\$ -	The public reported quarter size hail in Brandenburg.
	Meade	Brandenburg	4/25/2015	Hail	0.75	0	0	\$ -	\$ -	Public reported penny size hail near Brandenburg.
	Meade	Brandenburg	4/25/2015	Hail	1	0	0	\$ -	\$ -	Quarter size hail was reported near Brandenburg.
34	Meade	Battletown	6/26/2015	Hail	0.75	0	0	\$ -	\$ -	A trained spotter reported to the NWS penny size hail and also wind gusts between 45 and 50 mph due to strong thunderstorms.
35	Meade	Rhodelia	12/23/2015	Hail	1.75	0	0	\$ -	\$ -	Meade County law enforcement reported to the NWS that hail up to 1.75 inches in diameter fell.
	Meade	Battletown	12/23/2015	Hail	0.75	0	0	\$ -	\$ -	A trained spotter reported that penny sized hail fell.
36	Meade	Ekron	5/10/2016	Hail	1.75	0	0	\$ -	\$ -	
37	Meade	Wolf Creek	4/5/2017	Hail	0.88	0	0	\$ -	\$ -	
38	Meade	Concordia	4/8/2020	Hail	1	0	0	\$ -	\$ -	
		TOTALS:				0	0	\$ 110,000.00	\$ -	

Nelson County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	Date	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	4/10/1981	Nelson		4/10/1981	Hail	1	0	0	\$ -	\$ -	
2	8/30/1985	Nelson		8/30/1985	Hail	1.75	0	0	\$ -	\$ -	
3	5/14/1986	Nelson		5/14/1986	Hail	1.5	0	1	\$ -	\$ -	
4	11/15/1989	Nelson		11/15/1989	Hail	1.25	0	0	\$ -	\$ -	
5	5/10/1995	Nelson	Near Bardstown	5/10/1995	Hail	1	0	0	\$ -	\$ -	National Weather Service employee reports one inch hail.
	5/10/1995	Nelson	Wolfe/Morgan	5/10/1995	Hail	2	0	0	\$ -	\$ -	
6	5/5/1996	Nelson	Bardstown	5/5/1996	Hail	1	0	0	\$ -	\$ -	
7	4/4/1997	Nelson	New Haven	4/4/1997	Hail	0.75	0	0	\$ -	\$ -	
	4/4/1997	Nelson	Bardstown Airport	4/4/1997	Hail	0.75	0	0	\$ -	\$ -	
	4/4/1997	Nelson	New Haven	4/4/1997	Hail	0.88	0	0	\$ -	\$ -	
8	4/28/1999	Nelson	Bloomfield	4/28/1999	Hail	0.75	0	0	\$ -	\$ -	
9	8/8/2000	Nelson	Bardstown	8/8/2000	Hail	1	0	0	\$ -	\$ -	
10	3/29/2002	Nelson	Bardstown	3/29/2002	Hail	1.75	0	0	\$ -	\$ -	
	3/29/2002	Nelson	Coxs Creek	3/29/2002	Hail	1.75	0	0	\$ -	\$ -	
	3/29/2002	Nelson	Bardstown	3/29/2002	Hail	1.75	0	0	\$ -	\$ -	
11	5/1/2002	Nelson	Boston	5/1/2002	Hail	2.75	0	0	\$ -	\$ -	
	5/1/2002	Nelson	Bardstown	5/1/2002	Hail	1	0	0	\$ -	\$ -	
	5/1/2002	Nelson	New Haven	5/1/2002	Hail	4.5	0	0	\$ -	\$ -	
12	5/2/2002	Nelson	Bardstown	5/2/2002	Hail	1.75	0	0	\$ -	\$ -	
	5/2/2002	Nelson	Boston	5/2/2002	Hail	1.75	0	0	\$ -	\$ -	
	5/2/2002	Nelson	Botland	5/2/2002	Hail	0.75	0	0	\$ -	\$ -	
13	8/2/2002	Nelson	Bardstown	8/2/2002	Hail	0.75	0	0	\$ -	\$ -	
14	7/5/2004	Nelson	Bardstown	7/5/2004	Hail	0.75	0	0	\$ -	\$ -	
15	1/2/2006	Nelson	New Haven	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	Penny size hail covered the ground.
	1/2/2006	Nelson	Bardstown	1/2/2006	Hail	0.75	0	0	\$ -	\$ -	
16	6/23/2007	Nelson	Bardstown	6/23/2007	Hail	1	0	0	\$ -	\$ -	
17	6/2/2009	Nelson	Boston	6/2/2009	Hail	1	0	0	\$ -	\$ -	
	6/2/2009	Nelson	Boston	6/2/2009	Hail	0.75	0	0	\$ -	\$ -	
18	6/17/2009	Nelson	Boston	6/17/2009	Hail	2.75	0	0	\$ -	\$ -	
	6/17/2009	Nelson	Boston	6/17/2009	Hail	1.75	0	0	\$ -	\$ -	
	6/17/2009	Nelson	Bardstown	6/17/2009	Hail	1	0	0	\$ -	\$ -	
19	3/12/2010	Nelson	Bardstown	3/12/2010	Hail	0.88	0	0	\$ -	\$ -	Nickel size hail was reported at the county dispatch office.
	3/12/2010	Nelson	Coxs Creek	3/12/2010	Hail	0.88	0	0	\$ -	\$ -	

Count	Date	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
20	4/23/2011	Nelson	Boston	4/23/2011	Hail	1	0	0	\$ -	\$ -	Pea to quarter sized hail was reported.
	4/23/2011	Nelson	Nazareth	4/23/2011	Hail	1	0	0	\$ -	\$ -	Quarter sized hail was reported.
21	4/26/2011	Nelson	Bardstown	4/26/2011	Hail	1.25	0	0	\$ -	\$ -	
	4/26/2011	Nelson	Chaplin	4/26/2011	Hail	0.88	0	0	\$ -	\$ -	Hail was just under quarter size.
22	5/23/2011	Nelson	Bardstown	5/23/2011	Hail	0.88	0	0	\$ -	\$ -	
23	4/8/2015	Nelson	Coxs Creek	4/8/2015	Hail	0.75	0	0	\$ -	\$ -	The public reported penny sized hail near Cox's Creek.
24	4/25/2015	Nelson	Early Times	4/25/2015	Hail	0.75	0	0	\$ -	\$ -	A retired NWS employee reported penny size hail.
	4/25/2015	Nelson	Early Times	4/25/2015	Hail	1	0	0	\$ -	\$ -	Retired NWS employee reported quarter size hail near Bardstown.
	4/25/2015	Nelson	Nazareth	4/25/2015	Hail	1.5	0	0	\$ -	\$ -	A trained spotter reported that hail as large as 1.5 inches in diameter fell.
	4/25/2015	Nelson	Woodlawn	4/25/2015	Hail	1.25	0	0	\$ -	\$ -	Half dollar size hail was reported east of Bardstown, near Woodlawn, by a trained spotter.
	4/25/2015	Nelson	Bloomfield	4/25/2015	Hail	0.75	0	0	\$ -	\$ -	The public reported penny size hail near Bloomfield.
25	12/23/2015	Nelson	Fairfield	12/23/2015	Hail	0.75	0	0	\$ -	\$ -	An amateur radio operator reported that hail up to 3/4 inch in diameter fell along with a 50 mph wind gust.
26	5/10/2016	Nelson	Boston	5/10/2016	Hail	1	0	0	\$ -	\$ -	
27	3/27/2017	Nelson	Coxs Creek	3/27/2017	Hail	1.5	0	0	\$ -	\$ -	The public reported hail 1.5 inches in diameter and sent a picture to the local TV station via Twitter.
	3/27/2017	Nelson	Fairfield	3/27/2017	Hail	0.75	0	0	\$ -	\$ -	
	3/27/2017	Nelson	Coxs Creek	3/27/2017	Hail	1	0	0	\$ -	\$ -	A trained spotter reported hail 1 inch in diameter.
28	4/5/2017	Nelson	Boston	4/5/2017	Hail	1.75	0	0	\$ -	\$ -	
	4/5/2017	Nelson	Boston	4/5/2017	Hail	1	0	0	\$ -	\$ -	
	4/5/2017	Nelson	Bardstown	4/5/2017	Hail	1.75	0	0	\$ -	\$ -	
	4/5/2017	Nelson	Fairfield	4/5/2017	Hail	1	0	0	\$ -	\$ -	
	4/5/2017	Nelson	Bloomfield	4/5/2017	Hail	0.88	0	0	\$ -	\$ -	
	4/5/2017	Nelson	Fairfield	4/5/2017	Hail	1	0	0	\$ -	\$ -	
29	4/3/2018	Nelson	Howardstown	4/3/2018	Hail	1.75	0	0	\$ -	\$ -	
30	7/20/2018	Nelson	Lenore	7/20/2018	Hail	2.5	0	0	\$ -	\$ -	
	7/20/2018	Nelson	Coxs Creek	7/20/2018	Hail	2	0	0	\$ -	\$ -	

Count	Date	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
31	3/25/2021	Nelson	Boston	3/25/2021	Hail	1	0	0	\$ -	\$ -	Quarter sized hail was observed by an NWS employee family member near Hurricane Hills Lake.
	3/25/2021	Nelson	Deatsville	3/25/2021	Hail	1	0	0	\$ -	\$ -	A photo showing estimated 1 inch hail was sent in from Deatsville.
32	5/19/2022	Nelson	Boston	5/19/2022	Hail	2	0	0	\$ -	\$ -	Two inch diameter hail was observed near Boston and caused damage to car windows.
	5/19/2022	Nelson	Boston	5/19/2022	Hail	1	0	0	\$ -	\$ -	Quarter-sized hail was observed at Hurricane Hills Lake in western Nelson County.
	5/19/2022	Nelson	Boston	5/19/2022	Hail	2.5	0	0	\$ -	\$ -	Tennis ball-sized hail was observed near Boston.
	5/19/2022	Nelson	Botland	5/19/2022	Hail	1.25	0	0	\$ -	\$ -	Half dollar-sized hail was observed near Bardstown.
33	11/29/2022	Nelson	Nelsonville	11/29/2022	Hail	1.25	0	0	\$ -	\$ -	Half dollar sized hail was observed in the Nelsonville community.
	11/29/2022	Nelson	Bardstown	11/29/2022	Hail	1.5	0	0	\$ -	\$ -	Multiple reports of hail, ranging from between quarter size to ping pong ball size, were received from the Bardstown area.
			TOTALS:				0	1	\$ -	\$ -	

Washington County Hail Events, Locations, Extent, Impacts, 1955-2022

Count	County	Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage	Extent; Impacts: Event Narrative
1	Washington		7/2/1968	Hail	1.75	0	0	\$ -	\$ -	
2	Washington		8/19/1991	Hail	1.75	0	0	\$ -	\$ -	
3	Washington		6/18/1992	Hail	0.75	0	0	\$ -	\$ -	
4	Washington		5/14/1995	Hail	1.75	0	0	\$ 50,000.00	\$ -	Several reports of window and car damage from golf ball-size hail reported by public.
5	Washington	Willisburg	3/29/2002	Hail	1	0	0	\$ -	\$ -	
	Washington	Springfield	3/29/2002	Hail	1.75	0	0	\$ -	\$ -	
6	Washington	Springfield	5/1/2002	Hail	2.75	0	3	\$ 150,000.00	\$ -	Hail damaged many homes and vehicles.
7	Washington	Springfield	5/2/2002	Hail	1.75	0	0	\$ -	\$ -	
8	Washington	Fredricktown	3/20/2003	Hail	0.75	0	0	\$ -	\$ -	
9	Washington	Willisburg	5/5/2003	Hail	1	0	0	\$ -	\$ -	
10	Washington	Springfield	7/6/2004	Hail	1	0	0	\$ -	\$ -	
11	Washington	Springfield	3/13/2006	Hail	0.75	0	0	\$ -	\$ -	
12	Washington	Springfield	5/25/2006	Hail	1	0	0	\$ -	\$ -	
13	Washington	Fredricktown	4/11/2007	Hail	0.75	0	0	\$ -	\$ -	
14	Washington	Willisburg	3/15/2012	Hail	1	0	0	\$ -	\$ -	
15	Washington	St. Catherine	5/1/2012	Hail	1	0	0	\$ -	\$ -	
16	Washington	Bearwallow	7/13/2013	Hail	1.25	0	0	\$ -	\$ -	The media reported 1.25 inch hail at a rural location 6 miles south southeast of Bardstown.
17	Washington	Pulliam	4/8/2015	Hail	1	0	0	\$ -	\$ -	The public reported quarter size hail near Pulliam.
	Washington	Willisburg	4/8/2015	Hail	0.88	0	0	\$ -	\$ -	The public reported nickel sized hail fell near Willisburg.
18	Washington	Litsey	4/25/2015	Hail	1.5	0	0	\$ -	\$ -	Washington County emergency management reported ping pong sized hail near Litsey.
	Washington	Springfield	4/25/2015	Hail	2.5	0	0	\$ -	\$ -	Social media pictures submitted showed tennis ball size hail fell in Springfield.
	Washington	Mackville	4/25/2015	Hail	0.75	0	0	\$ -	\$ -	Public report of penny size hail in Mackville.
19	Washington	Mackville	5/10/2016	Hail	2	0	0	\$ 50,000.00	\$ -	Golf ball to egg size hail fell, which damaged car windshields and house siding.
20	Washington	Maud	4/29/2017	Hail	1	0	0	\$ -	\$ -	Hail up to quarter size reported from a pilot.
21	Washington	Springfield	5/11/2017	Hail	1.75	0	0	\$ 50,000.00	\$ -	Local broadcast media received multiple reports of golf ball sized hail.
22	Washington	St. Catherine	7/20/2018	Hail	1.75	0	0	\$ -	\$ -	There was golf ball size hail along Highway 152.
		TOTALS:				0	3	\$ 300,000.00	\$ -	

Probability of Hail as a Function of Frequency

As justified above, the period-of-record for hail events begins in 1955 and spans to the end of 2022.

January 1, 1955 to December 31, 2022 represents:

- 68 years, or
- 816 months, or
- 24,836 days.

Below is a table summarizing the frequency of occurrence for hail for each of the eight (8) counties comprising the Lincoln Trail Area Development District. Frequency of occurrence is the measure for “probability” used in this analysis.

Regarding the numerator, it should be noted that hail events that occur on the same day are not counted twice, thrice, or multiple times.

Summary of Number of Hail Events Per County

<u>County</u>	<u>Number of Hail Events</u>
Breckinridge County	44
Grayson County	47
Hardin County	58
LaRue County	30
Marion County	25
Meade County	38
Nelson County	33
Washington County	22

Using the information from the hail summary of number of events per county comprising the Lincoln Trail Area Development District, the following table calculates an average frequency of occurrence that informs the expectations (probability) for future hail events:

Probability of Hail as a Function of Frequency

County	# of Events	# of Months	# Events Per Month	Average One Event Every "x" Months ¹	Conversational Translation ²
Breckinridge County	44	816	0.0539215686	18.545	1 Year and 7 Months
Grayson County	47	816	0.0575980392	17.362	1 Year and 5 Months
Hardin County	58	816	0.0710784314	14.069	1 Year and 2 Months
LaRue County	30	816	0.0367647059	27.200	2 Years and 3 Months
Marion County	25	816	0.0306372549	32.640	2 Years and 9 Months
Meade County	38	816	0.0465686275	21.474	1 Year and 9 Months
Nelson County	33	816	0.0404411765	24.727	2 Years and 1 Month
Washington County	22	816	0.0269607843	37.091	3 Years and 1 Month

¹ Calculated either by flipping the numerator and denominator, e.g., 816 months/44 events, or by dividing one (1) by the number of events per month, e.g., [1/(44 events/816 months)].

² Calculated as follows:

- If the "average one event per 'x' months exceeds 12 (i.e., one year), then divide the value by 12 months and multiply the resulting partial by 12 months.
- If the "average one event per 'x' months" is less than 12 (i.e., less than one year), then multiply the partial by 30 days.

Landslide Risk Assessment Appendix

The data used to satisfy all sub-elements of Elements B1. – B3. of the Local Mitigation Plan Review Tool derive from the Kentucky Geological Survey (KGS). It is best-available data for landslide previous occurrences, types, locations, extent, and impacts.

Where cells in the following table are colored grey (“greyed out”), there was no information available or collected for the variable.

It is assumed that the counties and cities comprising the Lincoln Trail Area Development District are relatively homogenous in terms of “extent” from landslide events. This assumption is justified through the mapping provided in the landslide risk assessment: Soils and slopes are similar throughout all eight (8) counties and their incorporated cities comprising the Lincoln Trail Area Development District. So, for example, if Grayson County and its cities satisfies the “extent” requirement and another county and its cities does not have data available to satisfy the “extent” requirement, then Grayson County’s anecdotes for “extent” (i.e., how bad a landslide can get according to a measurement or scale) apply to the missing data for another county and its cities.

Regarding “impacts” from landslide events, again, if a county and its cities is missing data regarding “impacts” from previous occurrences, using/assuming the data from another of Lincoln Trail Area Development District’s counties and cities is appropriate. This is justified by the type of data generally collected by the Kentucky Geological Survey. Kentucky Geological Survey traditionally has had to rely upon data from the Kentucky Transportation Cabinet (KYTC) for its systematic collection of landslide event data and its subsequent population of its Landslide Inventory. This reliance on KYTC data gradually is being addressed through multiple Landslide Inventory-enhancing projects and planning-related activities funded both by FEMA and other state and federal agencies. But, the reliance on KYTC landslide events presents one (1) advantage relevant to this multi-jurisdictional hazard mitigation plan: Damages are similar across all counties and cities comprising the Lincoln Trail Area Development District. Breaks in pavement and road closures can be assumed for any landslide previous occurrence recorded regardless the county or city within which the landslide occurred.

Finally, not all cities have landslide previous events recorded for it. A city that is not listed in the below tables is considered to have zero (0) landslide previous occurrences recorded.

Breckinridge County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Breckinridge	Hardinsburg	37.80648	-86.487212	KY 259		5/3/2011	Slide					Shale; Siltstone; Sandstone			
2	Breckinridge	Kingswood ¹	37.634013	-86.436541	KY 79	Bridge Embankment							Shale; Siltstone			
3	Breckinridge	Falls Of Rough	37.598066	-86.554504	KY 110											
4	Breckinridge	Falls Of Rough	37.595471	-86.549442	KY 110											
5	Breckinridge	Mattingly ²	37.821994	-86.61821	KY 105											
6	Breckinridge	Kingswood	37.640806	-86.432685	KY 79											
7	Breckinridge	Kingswood	37.634069	-86.436549	KY 79	Bridge Embankment							Shale; Siltstone			
8	Breckinridge	Rome	37.875357	-86.581318	KY 144											
9	Breckinridge	Kingswood	37.627	-86.458	KY 79	General Road Embankment	6/6/1975						Limestone; Shale			
10	Breckinridge	Falls Of Rough	37.598042	-86.554485	KY 110											
11	Breckinridge	Mattingly	37.874371	-86.579758	KY 144											
12	Breckinridge	Falls Of Rough	37.59519	-86.550797	KY 110											
13	Breckinridge	Mattingly	37.821972	-86.618231	KY 105											
14	Breckinridge	Rome	37.876184	-86.582674	KY 144											

¹ Note that “Kingswood” is near the City of Hardinsburg. It is 7.4 miles from the City of Hardinsburg. Thus, “Kingswood” can be assumed to be relevant to the City of Hardinsburg.

² Note that “Mattingly” is near the City of Cloverport. It is 6.4 miles from the City of Cloverport. Thus, “Mattingly” can be assumed to be relevant to the City of Cloverport.

Grayson County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Grayson	Leitchfield	37.42324	-86.25857	Bloomington Rd		4/28/2011	Landslide	60'	70'	2'		Shale; Siltstone; Limestone; Limestone Conglomerate		Yes	
2	Grayson	Caneyville	37.412758	-86.422006	WK PKWY	Above Road	6/14/2011	Rockfall	150'				Shale; Siltstone; Sandstone; Coal; Underclay		Yes	
3	Grayson	Spring Lick	37.427462	-86.509625	US 62											
4	Grayson	Leitchfield	37.4705	-86.260336	WK PKWY	Above Road							Limestone; Shale			
5	Grayson	Leitchfield	37.467927	-86.277134	WK PKWY								Shale; Siltstone; Limestone			
6	Grayson	Leitchfield	37.452537	-86.323137	WK PKWY	Above Road							Shale; Siltstone; Limestone			
7	Grayson	Caneyville	37.43206	-86.383962	WK PKWY	Below Road; Stream at Bottom							Shale; Siltstone; Limestone			
8	Grayson	Spring Lick	37.409037	-86.543973	WK PKWY	Below Road							Shale; Siltstone; Sandstone; Coal; Underclay	Increased in Winter	Yes	
9	Grayson	Leitchfield	37.429871	-86.279487	KY 259											
10	Grayson	Falls Of Rough	37.525276	-86.54208	KY 54											
11	Grayson	Falls Of Rough	37.535917	-86.595699	KY 878											
12	Grayson	Spring Lick	37.427468	-86.509625	US 62											
13	Grayson	Clarkson	37.450556	-86.231077	KY 88	Below Road; Stream at Bottom		Landslide					Shale; Limestone; Siltstone		Arcuate Pavement Cracks; Repaired Pavement	
14	Grayson				I 64	Above Road	10/8/2017	Rockfall		10'				Intermittent	Yes	
15	Grayson	Leitchfield	37.4687	-86.272724	WK 9001		2019						Shale; Siltstone; Limestone			
16	Grayson	Leitchfield	37.46961	-86.267666	WK 9001		2019						Shale; Siltstone; Limestone			
17	Grayson	Leitchfield	37.470321	-86.264324	WK 9001		2019						Shale; Siltstone; Limestone			

Hardin County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Hardin	Nelsonville	37.748922	-85.7386	US 62											
2	Hardin	Colesburg	37.804274	-85.786857	KY 313											
3	Hardin	Elizabethtown	37.674729	-85.831169	KY 567											
4	Hardin	Elizabethtown	37.675691	-85.828718	KY 567											
5	Hardin	Elizabethtown	37.676595	-85.82625	KY 567											
6	Hardin	Colesburg	37.801819	-85.803336	KY 313											
7	Hardin	Tonieville	37.622041	-85.813178	KY 61											
8	Hardin	Elizabethtown	37.676308	-85.826984	KY 567											
9	Hardin	Colesburg	37.802622	-85.799981	KY 313											
10	Hardin	Colesburg	37.803445	-85.796959	KY 313											

LaRue County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Larue	Hodgenville	37.573034	-85.732294	US 31E											
2	Larue	Howardstown	37.572873	-85.614087	KY 84											
3	Larue	Howardstown	37.624527	-85.6174	US 31											
4	Larue	New Haven	37.640194	-85.602078	US 31E	Below Road		Landslide				11'-49'	Clay; Silt; Sand; Gravel			

Marion County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Marion	Raywick	37.562692	-85.484528	KY 84											
2	Marion	Bradfordsville	37.44847	-85.141978	KY 337											
3	Marion	Raywick	37.531937	-85.440083	KY 527		2009						Shale			
4	Marion	Spurlington	37.446548	-85.262812	KY 208		2009						Siltstone; Limestone; Shale			
5	Marion	Raywick	37.53052	-85.441359			2/21/2019						Silty Shale		Road Closure: 2-3 Weeks	

Meade County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Meade	Alton	38.052497	-86.440167	KY 230											
2	Meade	Alton	38.080849	-86.394184	KY 228											
3	Meade	New Amsterdam	38.053622	-86.29059	KY 1844								Shale; Siltstone; Sandstone			
4	Meade	Alton	38.032291	-86.420703	KY 144											
5	Meade	New Amsterdam	38.055346	-86.290005	KY 228											
6	Meade	Alton	38.085639	-86.392847	KY 228											
7	Meade	Alton	38.080813	-86.394207	KY 228											
8	Meade	New Amsterdam	38.053713	-86.292298	KY 1844	General Road Embankment		Landslide		200'			Shale; Siltstone			

Nelson County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Nelson	Brush Grove	37.863437	-85.206699	Holt Ridge Rd	Below Road; Stream at Bottom	5/3/2005	Landslide					Shale; Limestone; Siltstone		Yes	
2	Nelson	Bardstown	37.781346	-85.479859	BG 9002		9/19/1973						Shale; Dolomite		Yes	
3	Nelson	Cravens	37.777652	-85.523066	BG 9002											
4	Nelson	Chaplin	37.919989	-85.175351	US 62											
5	Nelson	Howardstown	37.591051	-85.598263	KY 247											
6	Nelson	Cravens	37.779852	-85.530767	BG 9002											
7	Nelson	Cravens	37.808543	-85.554241	US 62											
8	Nelson	Chaplin	37.920021	-85.175335	US 62											
9	Nelson	Chaplin	37.883195	-85.231377	BG 9002											
10	Nelson	Chaplin	37.880719	-85.226645	BG 9002											
11	Nelson	Lebanon Junction	37.778459	-85.678091	US 62	Above Road		Landslide	25'				Shale		Yes	

Washington County Landslide Events, Types, Locations, Extent, Impacts, 2005-2022

Count	County	City	Latitude	Longitude	Location: Site	Location: Failure Location	Date	Type	Extent: Track Length	Extent: Width	Extent: Head Scarp Height	Extent: Slip Surface Depth	Type: Lithology	Extent: Movement Rate	Impacts: Damage Narrative	Impacts: Costs
1	Washington	Cardwell	37.827529	-85.103484	KY 53											
2	Washington	Ashbrook	37.880984	-85.055639	KY 53			Landslide					Shale; Limestone; Siltstone			
3	Washington	Mackville	37.703161	-85.0258	KY 442			Landslide					Shale; Limestone; Siltstone			\$ 16,500.00
4	Washington	Brush Grove	37.851884	-85.149835	KY 1754								Shale; Limestone; Siltstone			
5	Washington	Brush Grove	37.842133	-85.139294	KY 1754								Shale; Limestone; Siltstone			
6	Washington	Brush Grove	37.831903	-85.130523	KY 1754					120'			Shale; Limestone; Siltstone			
7	Washington	Brush Grove	37.830929	-85.127849	KY 1754					310'			Shale; Limestone; Siltstone			
8	Washington	Cardwell	37.820884	-85.123668	KY 1754					60'			Shale; Limestone; Siltstone			
9	Washington	Cardwell	37.819821	-85.121739	KY 1754					230'			Shale; Limestone; Siltstone			

Probability for Landslides as a Function of Previous Occurrences

First, it is relevant to note that the landslide events recorded above for which there is no value in the “Failure Date” column may have failed prior to 2005. Frankly, they may have failed years or decades prior to 2005. Additionally, above there are recorded a couple of events from the 1970s. For the purpose of illustrating frequency as a definition of probability, these dates are ignored: Still, Kentucky suffers from dramatic underreporting of landslides. So, as a way to correct this underreporting and to illustrate the risk from landslides for the counties and cities comprising the Lincoln Trail Area Development District, when discussing probability of future landslide events in terms of frequency of occurrence (i.e., as a function of recorded previous occurrences) this analysis assumes it more accurate to compact the date range for previous occurrences (thus making the denominator smaller and the per annum landslide frequency larger) than elongate the date range. Over the entire span of time for which landslides could be or should have been recorded in a fantastical world where recording a landslide event is as quotidian as picking up one’s mail, there are far more than the total of previous occurrences recorded above.

Represented above is the best available data.

Breckinridge County

Note that there are fourteen (14) events recorded for the entirety of Breckinridge County, i.e., unincorporated Breckinridge County and the Cities of Cloverport, Hardinsburg, and Irvington.

(There are zero events for the Cities of Cloverport and Irvington, one (1) event for the City of Hardinsburg, and thirteen (13) events for Breckinridge County, unincorporated.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Breckinridge County and for the Cities of Cloverport, Hardinsburg, and Irvington there have been fourteen (14) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Breckinridge County (including the Cities of Cloverport, Hardinsburg, and Irvington), one may logically expect approximately 0.82 landslide events per year (14 events/17 years). So that the partial has meaning, in terms of months, for all of Breckinridge County including the Cities of Cloverport, Hardinsburg, and Irvington, one may expect a landslide event to occur approximately once every 15 months (once every 14.57 months, or $[1/(14/204)]$), or once every one (1) year and two (2) or three (3) months (1.21 years).

Breaking out the City of Hardinsburg from Breckinridge County, unincorporated, there is one (1) recorded event in the City of Hardinsburg and thirteen (13) recorded landslide events in Breckinridge County, unincorporated. This changes the frequency-cum-probability as follows:

- Breckinridge County, Unincorporated had recorded thirteen (13) events over 17 years, or 0.76 events per year, or one (1) event every 1.31 years (i.e., one event every one year and about four (4) months).
 - o Breckinridge County, Unincorporated had recorded thirteen (13) events over 204 months, or one (1) event every 15.69 months $[1/(13/204)]$.
- The City of Hardinsburg had recorded one (1) event over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.

The City of Cloverport had recorded zero (0) events over 204 months, or zero (0) events per month.

The City of Irvington had recorded zero (0) events over 204 months, or zero (0) events per month.

Grayson County

Note that there are seventeen (17) events recorded for the entirety of Grayson County, i.e., unincorporated Grayson County and the Cities of Caneyville, Clarkson, and Leitchfield.

(There are two (2) events for the City of Caneyville, one (1) event for the City of Clarkson, eight (8) events for the City of Leitchfield, and six (6) events for Grayson County, unincorporated.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Grayson County and for the Cities of Caneyville, Clarkson, and Leitchfield there have been seventeen (17) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Grayson County (including the Cities of Caneyville, Clarkson, and Leitchfield), one may logically expect approximately one (1) landslide events per year (17 events/17 years).

Breaking out the Cities of Caneyville, Clarkson, and Leitchfield from Grayson County, unincorporated, there are two (2) recorded events in the City of Caneyville, one (1) recorded event in the City of Clarkson, eight (8) recorded events in the City of Leitchfield, and six (6) recorded landslide events in Grayson County, unincorporated. This changes the frequency-cum-probability as follows:

- Grayson County, Unincorporated had recorded six (6) events over 17 years, or 0.35 events per year. This translates to one (1) event every 34 months, or one (1) event every 2.83 years (approximately two years and 10 months).
- The City of Caneyville had recorded two (2) events over 17 years, or 0.12 events per year. This translates to one (1) event every 102 months, or one (1) event every 8.5 years (eight years and six months).
- The City of Clarkson had recorded one (1) event over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.
- The City of Leitchfield had recorded eight (8) events over 17 years, or 0.47 events per year. This translates to one (1) event every 25.5 months, or one (1) event every 2.125 years (two years and either one or two months).

Hardin County

Note that there are ten (10) events recorded for the entirety of Hardin County, i.e., unincorporated Hardin County and the Cities of Elizabethtown, Radcliff, Sonora, Upton, Vine Grove, and West Point.

(There are four (4) events for the City of Elizabethtown; six (6) events for Hardin County, unincorporated; and zero (0) events for Radcliff, Sonora, Upton, Vine Grove, and West Point.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Hardin County and for the Cities of Elizabethtown, Radcliff, Sonora, Upton, Vine Grove, and West Point there have been ten (10) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Hardin County (including the Cities of Elizabethtown, Radcliff, Sonora, Upton, Vine Grove, and West Point), one may logically expect approximately 0.59 landslide events per year (10 events/17 years). This translates to one (1) event every 20.4 months, or 1.7 years (approximately one year and eight months).

Breaking out the Cities of Elizabethtown, Radcliff, Sonora, Upton, Vine Grove, and West Point from Hardin County, unincorporated, there are four (4) recorded events in the City of Elizabethtown; zero (0) recorded events each in the Cities of Radcliff, Sonora, Upton, Vine Grove, and West Point; and six (6) recorded landslide events in Hardin County, unincorporated. This changes the frequency-cum-probability as follows:

- Hardin County, Unincorporated had recorded six (6) events over 17 years, or 0.35 events per year. This translates to one (1) event every 34 months, or one (1) event every 2.83 years (approximately two years and 10 months).
- The City of Elizabethtown had recorded four (4) events over 17 years, or 0.24 events per year. This translates to one (1) event every 51 months, or one (1) event every 4.25 years (four years and three months).
- The City of Radcliff had recorded zero (0) events over 17 years.
- The City of Sonora had recorded zero (0) events over 17 years.
- The City of Upton had recorded zero (0) events over 17 years.
- The City of Vine Grove had recorded zero (0) events over 17 years.
- The City of West Point had recorded zero (0) events over 17 years.

LaRue County

Note that there are four (4) events recorded for the entirety of LaRue County, i.e., unincorporated LaRue County and the City of Hodgenville.

(There is one (1) event for the City of Hodgenville and three (3) events for LaRue County, unincorporated.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for LaRue County and for the City of Hodgenville there have been four (4) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of LaRue County (including the City of Hodgenville), one may logically expect approximately 0.24 landslide events per year (4 events/17 years). This translates to one (1) event every 51 months, or one (1) event every 4.25 years (four years and three months).

Breaking out the City of Hodgenville from LaRue County, unincorporated, there is one (1) recorded events in the City of Hodgenville and three (3) recorded landslide events in LaRue County, unincorporated. This changes the frequency-cum-probability as follows:

- LaRue County, Unincorporated had recorded three (3) events over 17 years, or 0.18 events per year. This translates to one (1) event every 68 months, or one (1) event every 5.67 years (five years and eight months).
- The City of Hodgenville had recorded one (1) event over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.

Marion County

Note that there are five (5) events recorded for the entirety of Marion County, i.e., unincorporated Marion County and the Cities of Bradfordsville, Lebanon, Loretto, and Raywick.

(There is one (1) event for the City of Bradfordsville; there are three (3) events for the City of Raywick; there is one (1) event for Marion County, unincorporated; there are zero (0) events for Lebanon and Loretto.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Marion County and for the Cities of Bradfordsville, Lebanon, Loretto, and Raywick there have been five (5) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Marion County (including the Cities of Bradfordsville, Lebanon, Loretto, and Raywick), one may logically expect approximately 0.29 landslide events per year (5 events/17 years). This translates to one (1) event every 40.8 months, or 3.4 years (approximately three years and five months).

Breaking out the Cities of Bradfordsville, Lebanon, Loretto, and Raywick from Marion County, unincorporated, there is one (1) recorded event in the City of Bradfordsville; zero (0) recorded events each in the Cities of Lebanon and Loretto; three (3) recorded events in the City of Raywick; and one (1) recorded landslide event in Marion County, unincorporated. This changes the frequency-cum-probability as follows:

- Marion County, Unincorporated had recorded one (1) events over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.
- The City of Bradfordsville had recorded one (1) event over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.
- The City of Lebanon had recorded zero (0) events over 17 years.
- The City of Loretto had recorded zero (0) events over 17 years.
- The City of Raywick had recorded three (3) events over 17 years, or 0.18 events per year. This translates to one (1) event every 68 months, or one (1) event every 5.67 years (five years and eight months).

Meade County

Note that there are eight (8) events recorded for the entirety of Meade County, i.e., unincorporated Meade County and the Cities of Brandenburg, Ekron, and Muldraugh.

(There are eight (8) landslide/rockfall events for Meade County, unincorporated. There are zero (0) landslide/rockfall events each for the Cities of Brandenburg, Ekron, and Muldraugh.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Meade County and for the Cities of Brandenburg, Ekron, and Muldraugh there have been eight (8) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Meade County (including the Cities of Brandenburg, Ekron, and Muldraugh), one may logically expect approximately 0.47 landslide events per year (8 events/17 years). This translates to one (1) event every 25.5 months, or 2.125 years (approximately two years and either one or two months).

Breaking out the Cities of Brandenburg, Ekron, and Muldraugh from Meade County, unincorporated, there are zero (0) recorded landslide/rockfall events each for the Cities of Brandenburg, Ekron, and Muldraugh and eight (8) recorded landslide event in Meade County, unincorporated. This changes the frequency-cum-probability as follows:

- Meade County, Unincorporated had recorded eight (8) events over 17 years, or 0.47 events per year. This translates to one (1) event every 25.5 months, or one (1) event every 2.125 years (approximately two years and either one or two months).
- The City of Brandenburg had recorded zero (0) events over 17 years.
- The City of Ekron had recorded zero (0) events over 17 years.
- The City of Muldraugh had recorded zero (0) events over 17 years.

Nelson County

Note that there are eleven (11) events recorded for the entirety of Nelson County, i.e., unincorporated Nelson County and the Cities of Bardstown, Bloomfield, Fairfield, and New Haven.

(There are ten (10) landslide/rockfall events for Nelson County, unincorporated. There is one (1) landslide/rockfall event for the City of Bardstown. There are zero (0) landslide/rockfall events each for the Cities of Bloomfield, Fairfield, and New Haven.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Nelson County and for the Cities of Bardstown, Bloomfield, Fairfield, and New Haven there have been eleven (11) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Nelson County (including the Cities of Bardstown, Bloomfield, Fairfield, and New Haven), one may logically expect approximately 0.65 landslide events per year (11 events/17 years). This translates to one (1) event every 18.54 months, or 1.54 years (approximately one year and six or seven months).

Breaking out the Cities of Bardstown, Bloomfield, Fairfield, and New Haven from Nelson County, unincorporated, there is one (1) recorded landslide/rockfall event in the City of Bardstown; there are zero (0) recorded landslide/rockfall events each in the Cities of Bloomfield, Fairfield, and New Haven; there are ten (10) recorded landslide/rockfall events in Nelson County, unincorporated. This changes the frequency-cum-probability as follows:

- Nelson County, Unincorporated had recorded ten (10) events over 17 years, or 0.59 events per year. This translates to one (1) event every 20.4 months, or one (1) event every 1.7 years (approximately one year and eight months).
- The City of Bardstown had recorded one (1) event over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.
- The City of Bloomfield had recorded zero (0) events over 17 years.
- The City of Fairfield had recorded zero (0) events over 17 years.
- The City of New Haven³ had recorded zero (0) events over 17 years.

³ It could be assumed that the City of New Haven had recorded one (1) event every 17 years. Look to LaRue County's landslide events table: New Haven lies on the border of LaRue County and Nelson County.

Washington County

Note that there are nine (9) events recorded for the entirety of Washington County, i.e., unincorporated Washington County and the Cities of Mackville, Springfield, and Willisburg.

(There are eight (8) landslide/rockfall events for Washington County, unincorporated. There is one (1) landslide/rockfall event for the City of Mackville. There are zero (0) landslide/rockfall events each for the Cities of Springfield and Willisburg.)

Assuming, then, a date ranges from (an assumed January of) 2005 to January of 2022, in total for Washington County and for the Cities of Mackville, Springfield, and Willisburg there have been nine (9) landslide/rockfall events recorded over seventeen (17) years or 204 months.

So, for all of Washington County (including the Cities of Mackville, Springfield, and Willisburg), one may logically expect approximately 0.53 landslide events per year (9 events/17 years). This translates to one (1) event every 22.67 months, or 1.89 years (approximately one year and eleven months).

Breaking out the Cities of Mackville, Springfield, and Willisburg from Washington County, unincorporated, there is one (1) recorded landslide/rockfall event in the City of Mackville; there are zero (0) recorded landslide/rockfall events each in the Cities of Springfield and Willisburg; there are eight (8) recorded landslide/rockfall events in Washington County, unincorporated. This changes the frequency-cum-probability as follows:

- Washington County, Unincorporated had recorded eight (8) events over 17 years, or 0.47 events per year. This translates to one (1) event every 25.5 months, or one (1) event every 2.125 years (approximately two years and either one or two months).
- The City of Mackville had recorded one (1) event over 17 years, or 0.059 events per year. This translates to one (1) event every 204 months, or one (1) event every 17 years.
- The City of Springfield had recorded zero (0) events over 17 years.
- The City of Willisburg had recorded zero (0) events over 17 years.

Appendix Regarding Local Government Integration of Mitigation Plan Requirements into Other Planning Mechanisms

The planning process documentation in this multi-jurisdictional, multi-hazard mitigation plan document describes a central role for the Lincoln Trail Area Development District in not only developing the hazard mitigation plan on behalf of the counties and cities comprising the Lincoln Trail region, but also as centrally involved in various other regional and local planning mechanisms.

With few exceptions, the Lincoln Trail Area Development District actively participates, centrally coordinates or develops, or provides technical assistance all plans and planning mechanisms relevant to the counties and cities comprising the Lincoln Trail region.

In those few instances where a local government develops a plan or implements a planning mechanism without formal involvement by the Lincoln Trail Area Development District, the ADD still is the primary source for mitigation plan distribution and the tracking of all mitigation actions regardless how they are funded. This role of the ADD is advertised throughout the region both by the ADD and by the commonwealth. This advertisement acts as incentive for the local government to first turn to the Lincoln Trail Region Hazard Mitigation Plan in identifying capital and mitigation projects and general resource allocation.

Finally, the commonwealth plays an indirect role in ensuring the requirements of the mitigation plan enter into local governments' plans and planning mechanisms: Any plan activity that affects or is affected by the hazard mitigation plan at some point during its development passes through the commonwealth. The commonwealth, in practice, does not allow or aid in the development of plans or planning-related activities that ignore the region's mitigation plan.