

**SAMPLE**

**HAIL SEARCH PLUS**



*PREPARED FOR:*

**Mainland Continental  
Insurance Group**

Robert J. Smith

July 27, 2012

1010020-3430

**CompuWeather Sample Report –**  
Please note that this report contains sample data and fictitious names, dates, addresses and case references. This report is intended to demonstrate the structure and detail that is included in a CompuWeather Weather Analysis. All CompuWeather Reports are specific to individual cases or claims and may or may not include all the sections or information contained in this sample report.

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## PROJECT INFORMATION

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Report Completion Date: July 27, 2012  
Prepared for: Mainland Continental Insurance Group  
Attn: Robert J. Smith  
Case Reference: 1010020-3430  
Period of Study: June 30, 2008 to June 30, 2012  
Location of Loss / Incident: 50 Rosewood Drive, Beckley, WV  
Type of Incident: Hail  
Scope: Hail Search

## ABSTRACT

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State Auto Insurance Companies has requested that CompuWeather's Forensic Meteorologists perform a hail analysis for June 30, 2008 to June 30, 2012 in the vicinity of 50 Rosewood Drive, Beckley, WV 25801. CompuWeather researched all the available weather data from approved sources for the surrounding area, analyzed the information and interpreted the conditions that took place for the requested location during the period requested.

The results of the enhanced radar analysis show 3 hail events at 50 Rosewood Drive, Beckley, WV 25801 during the period June 30, 2008 to June 30, 2012. A review of observed hail reports found 9 reports of hail within 3 miles of the location.

This report is derived by analyzing information from various sources, including the National Weather Service (NWS), the Storm Prediction Center (SPC) and the National Climatic Data Center (NCDC), Internet feeds, video feeds, and other sources. The data compiled represents the best approximation of hail for the date and time of the analysis. Actual storm report plots are derived from the latitude and longitude received from the NWS and SPC and may not be the exact location of the damage reported. Our research team has examined all available sources to ensure the accuracy of the report; however, we cannot be responsible for malfunctions or inaccurate data received from the NWS or NCDC. When applicable, a report may be repositioned to the exact location when an exact location of the report can be determined. There are no implied guarantees of any damage caused by hail or storms we analyze and report on. Storm reports plotted in our reports are based on site specific field submissions and may not represent the average or largest hail that occurred in the vicinity.



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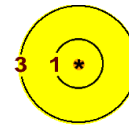
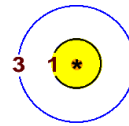
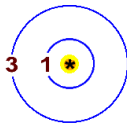


## RADAR ENHANCED HAIL SEARCH RESULTS

**Period of Analysis:** June 30, 2008 to June 30, 2012  
**Location:** 50 Rosewood Drive, Beckley, WV 25801  
**Case Reference:** 1010020-3430

The following hail analysis was performed with state of the art meteorological technology allowing for individual thunderstorms to be reviewed and analyzed to determine the presence and size of hail. This technology uses a combination of Doppler radar and weather models to determine whether hail was present at a specific location without relying strictly on observed hail reports. This enhanced technology estimates the hail size at 50 Rosewood Drive, Beckley, WV 25801 and within 1 mile and 3 miles of the location, and limits results to hail events of 0.5-inch diameter or larger. It also detects hail events at times when there was no person present or able to observe and report hail. Utilizing both this radar enhanced technology in conjunction with observed hail reports is a more comprehensive approach to verifying hail events. Note that each date below begins at 6 AM CST on the indicated day and ends at 6 AM CST the following day.

### Estimated Maximum Hail Size (inches)



DATE	AT LOCATION	WITHIN 1 MILE	WITHIN 3 MILES
08/12/11	0.5 in	0.7 in	0.8 in
03/31/12	No Hail	No Hail	No Hail
05/14/12	No Hail	No Hail	No Hail
05/17/12	0.6 in	0.8 in	0.9 in
05/31/12	0.9 in	1.0 in	1.0 in
06/05/12	No Hail	No Hail	No Hail
06/11/12	No Hail	No Hail	No Hail



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## OBSERVED HAIL REPORTS - CLOSEST

**Period of Analysis:** June 30, 2008 to June 30, 2012  
**Location:** 50 Rosewood Drive, Beckley, WV 25801  
**Case Reference:** 1010020-3430

The following table indicates a listing of observed reports of hail within 3 miles of 50 Rosewood Drive, Beckley, WV 25801. They are based on information gathered from the National Weather Service (NWS), the Storm Prediction Center (SPC) and the National Climatic Data Center (NCDC), Internet feeds, video feeds, and other sources. The data compiled represents the best approximation of hail for the date and time of the analysis. Utilizing this information in conjunction with the radar enhanced search results provides a more comprehensive approach to verifying hail events. Indicated below are the distance between the incident location and the hail report, the size of the hail (inches in diameter), date, time (local time) and location of the report, as well as the source of the report and remarks.

### BY DISTANCE: 9 REPORTS

Dist (mi)	Size (in)	Date	Time	City	ST	County	Source	Remarks
0.6	0.70	03/24/12	3:15 PM	BECKLEY	WV	Raleigh	SPOTTER	SIZE ESTIMATED
2.1	0.25	03/24/12	3:35 PM	MACARTHUR	WV	Raleigh	AMA RADIO	PEA SIZE HAIL ON THE 300 BLOCK OF FITZPATRICK SIZE ESTIMATED
2.5	1.00	04/08/11	5:35 PM	CRAB ORCHARD	WV	Raleigh	PUBLIC	None
2.7	0.75	07/09/09	2:45 PM	BECKLEY (2 NE)	WV	Raleigh	PUBLIC	SIZE ESTIMATED
2.9	0.75	08/13/08	4:50 PM	BECKLEY	WV	Raleigh	PUBLIC	None
2.9	0.75	08/13/08	4:18 PM	BECKLEY	WV	Raleigh	PUBLIC	None
2.9	0.88	08/13/08	4:27 PM	BECKLEY	WV	Raleigh	PUBLIC	None
2.9	1.25	08/13/08	4:30 PM	BECKLEY	WV	Raleigh	PUBLIC	EVENT OCCURRED BETWEEN 415 PM 08/13/2008 AND 430 PM 08/13/2008
2.9	0.50	03/23/11	7:05 PM	BECKLEY	WV	Raleigh	PUBLIC	None



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## OBSERVED HAIL REPORTS – FULL SEARCH RESULTS

**Period of Analysis:** June 30, 2008 to June 30, 2012  
**Location:** 50 Rosewood Drive, Beckley, WV 25801  
**Case Reference:** 1010020-3430

The following table indicates a listing of observed reports of hail within 25 miles of 50 Rosewood Drive, Beckley, WV 25801. They are based on information gathered from the National Weather Service (NWS), the Storm Prediction Center (SPC) and the National Climatic Data Center (NCDC), Internet feeds, video feeds, and other sources. The data compiled represents the best approximation of hail for the date and time of the analysis. Utilizing this information in conjunction with the radar enhanced search results provides a more comprehensive approach to verifying hail events. Indicated below are the distance between the incident location and the hail report, the size of the hail (inches in diameter), date, time (local time) and location of the report, as well as the source of the report and remarks.

### BY DATE AND TIME – 80 REPORTS:

Dist (mi)	Size (in)	Date	Time	City	ST	County	Source	Remarks
2.9	0.75	08/13/08	4:18 PM	BECKLEY	WV	Raleigh	PUBLIC	None
2.9	0.88	08/13/08	4:27 PM	BECKLEY	WV	Raleigh	PUBLIC	None
2.9	1.25	08/13/08	4:30 PM	BECKLEY	WV	Raleigh	PUBLIC	EVENT OCCURRED BETWEEN 415 PM 08/13/2008 AND 430 PM 08/13/2008
4.5	0.88	08/13/08	4:30 PM	BEAVER	WV	Raleigh	COUNTY OFFICIAL	SIZE ESTIMATED
2.9	0.75	08/13/08	4:50 PM	BECKLEY	WV	Raleigh	PUBLIC	None
10.0	1.00	08/13/08	4:50 PM	BEAVER	WV	Raleigh	PUBLIC	EVENT OCCURRED BETWEEN 430 PM 08/13/2008 AND 500 PM 08/13/2008
8.0	0.75	08/13/08	5:24 PM	SURVEYOR	WV	Raleigh	PUBLIC	None
7.6	0.75	08/13/08	5:56 PM	GLEN DANIEL	WV	Raleigh	PUBLIC	None
24.4	0.75	08/13/08	6:52 PM	OCEANA	WV	Wyoming	EMA	PENNY SIZE HAIL REPORTED NEAR OCEANA IN LYNCO AND MATHENY. SIZE ESTIMATED
20.4	0.50	04/06/09	12:50 AM	GLEN FORK	WV	Wyoming	PUBLIC	None



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Dist (mi)	Size (in)	Date	Time	City	ST	County	Source	Remarks
24.4	0.50	05/28/09	3:53 PM	OCEANA	WV	Wyoming	PUBLIC	SIZE ESTIMATED
19.5	0.75	05/28/09	3:55 PM	OCEANA	WV	Wyoming	PUBLIC	None
24.4	1.00	05/28/09	3:56 PM	OCEANA	WV	Wyoming	PUBLIC	SIZE ESTIMATED
20.3	0.88	05/28/09	10:40 PM	KOPPERSTON	WV	Wyoming	PUBLIC	None
19.5	0.75	05/28/09	10:49 PM	OCEANA	WV	Wyoming	PUBLIC	EVENT OCCURRED BETWEEN 1034 PM 05/28/2009 AND 1049 PM 05/28/2009
20.3	0.88	05/28/09	10:55 PM	KOPPERSTON	WV	Wyoming	PUBLIC	None
4.9	0.88	05/28/09	11:22 PM	CRAB ORCHARD	WV	Raleigh	PUBLIC	None
17.5	0.88	06/08/09	6:20 PM	CORINNE	WV	Wyoming	PUBLIC	None
2.7	0.75	07/09/09	2:45 PM	BECKLEY (2 NE)	WV	Raleigh	PUBLIC	SIZE ESTIMATED
15.4	0.75	07/20/09	7:55 PM	LOCHGELLY	WV	Fayette	PUBLIC	None
8.4	0.75	07/25/09	6:53 PM	MOUNT HOPE	WV	Fayette	PUBLIC	None
8.4	0.88	07/25/09	6:54 PM	MOUNT HOPE	WV	Fayette	PUBLIC	None
8.4	0.50	07/25/09	6:55 PM	MOUNT HOPE	WV	Fayette	PUBLIC	None
14.2	0.50	03/22/10	5:00 PM	OAK HILL	WV	Fayette	PUBLIC	EVENT OCCURRED BETWEEN 445 PM 03/22/2010 AND 500 PM 03/22/2010
6.4	1.00	04/05/10	11:55 AM	SOPHIA	WV	Raleigh	PUBLIC	ALSO...TREES DOWN ON ROAD SIZE ESTIMATED
8.4	1.25	04/05/10	7:15 PM	MOUNT HOPE	WV	Fayette	n / a	None
9.6	1.75	04/05/10	9:40 PM	MOUNT HOPE (7 ESE)	WV	Raleigh	POST OFFICE	GOLF BALL SIZED HAIL AT PRINCE SIZE ESTIMATED
9.4	1.00	04/06/10	12:05 AM	COAL CITY (6 E)	WV	Raleigh	PUBLIC	SIZE ESTIMATED
16.8	1.00	04/06/10	12:16 AM	HINTON (5 WSW)	WV	Summers	DEPT OF HIGHWAYS	SIZE ESTIMATED
20.1	1.00	05/28/10	1:40 PM	PRINCETON (10 N)	WV	Mercer	n / a	ALONG I-77.





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Dist (mi)	Size (in)	Date	Time	City	ST	County	Source	Remarks
24.4	0.75	02/28/11	9:45 AM	OCEANA	WV	Wyoming	911 CALL CENTER	SIZE ESTIMATED
13.9	1.75	03/23/11	2:10 PM	JOSEPHINE (3 SE)	WV	Raleigh	n / a	DAMAGE TO CARS AROUND THE POST OFFICE
15.2	1.75	03/23/11	2:15 PM	FLAT TOP	WV	Mercer	n / a	GOLF BALL SIZED HAIL FALLING IN FLAT TOP AT 415 PM.
18.5	1.75	03/23/11	2:23 PM	HINTON	WV	Summers	n / a	None
13.0	0.25	03/23/11	3:40 PM	WHITE OAK	WV	Raleigh	PUBLIC	None
19.0	0.75	03/23/11	6:45 PM	FAYETTEVILLE	WV	Fayette	PUBLIC	None
12.0	1.00	03/23/11	6:50 PM	BOLT	WV	Raleigh	UBLIC	None
8.4	0.75	03/23/11	6:55 PM	MOUNT HOPE	WV	Raleigh	PUBLIC	None
2.9	0.50	03/23/11	7:05 PM	BECKLEY	WV	Raleigh	PUBLIC	None
5.3	0.75	03/23/11	7:05 PM	MIDWAY	WV	Raleigh	PUBLIC	None
8.4	1.00	04/08/11	3:45 PM	SHADY SPRING	WV	Raleigh	n / a	None
2.5	1.00	04/08/11	5:35 PM	CRAB ORCHARD	WV	Raleigh	PUBLIC	None
19.5	0.88	04/08/11	6:00 PM	OCEANA	WV	Wyoming	PUBLIC	None
22.5	1.00	04/08/11	6:10 PM	MATHENY	WV	Wyoming	PUBLIC	None
20.1	0.50	04/08/11	6:36 PM	WENONAH (3 NE)	WV	Mercer	SPOTTER	HAIL MARBLE TO DIME SIZE COVERING THE GROUND. SIZE ESTIMATED
24.2	1.00	04/08/11	6:42 PM	MATOAKA (3 ENE)	WV	Mercer	SPOTTER	HAIL UP TO QUARTER SIZE REPORTED. SIZE ESTIMATED
24.4	1.00	04/08/11	8:50 PM	OCEANA	WV	Wyoming	PUBLIC	SIZE ESTIMATED
19.5	1.00	04/27/11	7:44 PM	OCEANA	WV	Wyoming	n / a	None
5.5	1.00	04/27/11	8:15 PM	BRADLEY	WV	Fayette	n / a	None
8.4	1.25	04/27/11	8:20 PM	MOUNT HOPE	WV	Fayette	n / a	None
12.8	1.25	04/27/11	9:11 PM	GHENT	WV	Raleigh	n / a	None



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Dist (mi)	Size (in)	Date	Time	City	ST	County	Source	Remarks
10.7	1.00	04/27/11	9:16 PM	COOL RIDGE	WV	Raleigh	n / a	None
13.2	0.88	04/27/11	11:13 PM	FLAT TOP (2 N)	WV	Raleigh	PUBLIC	SIZE ESTIMATED
17.9	1.00	05/10/11	6:14 PM	HINTON (5 NNE)	WV	Summers	DEPT OF HIGHWAYS	ENOUGH TO SHOVEL NEAR SANDSTONE. SIZE ESTIMATED
18.6	0.75	05/10/11	6:22 PM	FAYETTEVILLE	WV	Fayette	PUBLIC	SIZE ESTIMATED
22.2	1.75	05/26/11	2:05 PM	HINTON (4 SE)	WV	Summers	n / a	HAIL FELL NEAR ZION MOUNTAIN AND LASTED FOR 10 TO 15 MINUTES.
21.7	1.00	05/26/11	2:56 PM	HINTON (3 E)	WV	Summers	n / a	FELL AT 108 BRUCE ALLEN ROAD
20.2	1.00	06/28/11	2:11 PM	WENONAH (2 NNE)	WV	Mercer	SPOTTER	MARBLE TO QUARTER SIZE HAIL FOR 15 MINUTES SIZE ESTIMATED
19.4	0.50	06/28/11	2:29 PM	CAMP CREEK (4 WNW)	WV	Mercer	PARK/FOREST SRVC	SIZE ESTIMATED
13.4	0.88	07/22/11	6:05 PM	OAK HILL	WV	Fayette	TV MEDIA	None
5.3	1.00	08/25/11	2:05 PM	PINEY VIEW	WV	Raleigh	PUBLIC	HAIL WAS BRIEF SIZE ESTIMATED
5.9	0.25	08/25/11	3:00 PM	DANIELS	WV	Raleigh	PUBLIC	EVENT OCCURRED BETWEEN 245 PM 08/25/2011 AND 300 PM 08/25/2011
7.1	0.25	08/25/11	3:01 PM	SHADY SPRING	WV	Raleigh	PUBLIC	EVENT OCCURRED BETWEEN 246 PM 08/25/2011 AND 301 PM 08/25/2011
8.4	0.88	09/04/11	3:00 PM	MOUNT HOPE	WV	Fayette	PUBLIC	None
7.8	1.00	09/04/11	3:10 PM	MOUNT HOPE	WV	Fayette	SPOTTER	SIZE ESTIMATED
10.8	1.00	09/26/11	5:01 PM	FAIRDALE	WV	Raleigh	PUBLIC	None
9.2	1.00	09/26/11	5:05 PM	GLEN DANIEL	WV	Raleigh	PUBLIC	None
16.3	0.50	02/29/12	3:40 PM	WHITESVILLE	WV	Raleigh	PUBLIC	None
13.4	0.25	03/02/12	11:09 AM	ROCK CREEK	WV	Raleigh	PUBLIC	None
0.6	0.70	03/24/12	3:15 PM	BECKLEY	WV	Raleigh	SPOTTER	SIZE ESTIMATED
8.4	0.75	03/24/12	3:19 PM	MOUNT HOPE	WV	Fayette	PUBLIC	None





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2.1	0.25	03/24/12	3:35 PM	MACARTHUR	WV	Raleigh	AMA RADIO	PEA SIZE HAIL ON THE 300 BLOCK OF FITZPATRICK SIZE ESTIMATED
19.0	0.50	03/24/12	3:36 PM	FAYETTEVILLE	WV	Fayette	PUBLIC	None
23.1	0.70	04/26/12	5:40 PM	PINEVILLE	WV	Wyoming	911 CALL CENTER	SIZE ESTIMATED
23.5	1.75	04/26/12	5:45 PM	PINEVILLE (1 W)	WV	Wyoming	SPOTTER	None
21.7	0.75	04/26/12	6:12 PM	COVEL	WV	Wyoming	PUBLIC	None
5.9	0.25	04/28/12	9:42 AM	DANIELS	WV	Raleigh	PUBLIC	None
7.1	0.25	04/28/12	9:47 AM	SHADY SPRING	WV	Raleigh	PUBLIC	None
12.6	0.25	05/09/12	8:51 PM	ARNETT	WV	Raleigh	PUBLIC	None
7.8	1.00	06/22/12	5:20 PM	MOUNT HOPE	WV	Fayette	TV MEDIA	SIZE ESTIMATED



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