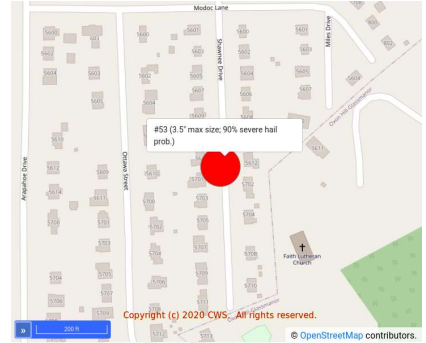# HailDetected

Improved Hailstorm Awareness with Automated Notifications & Geographic Displays

OVERVIEW

HailDetected is a web application that utilizes National Oceanic and Atmospheric Administration (NOAA) hail related data to help users better understand and respond to hail events that have occurred and their potential to have caused damage to buildings at particular locations. Estimates of hail probability, fall location, and hail size are based on NEXRAD radar data and standard weather algorithms.

The HailDetected application is intended to be useful to end users such as insurance claim agents (e.g. looking for evidence that roof damage could have been caused by hail) and roofing companies (e.g. needing to decide when and where to market their services, and to help clients make insurance claims).

HailDetected map view representation of a single hail event

FEATURES

HailDetected is a contemporary responsive web application that can be operated on a variety of devices and operating systems with configurable notifications and interactive dashboard displays to help support hail awareness and understanding:

1 Alert Configuration

- Users have the option to setup automatic notification of hail events in a particular area
- If a notification is triggered the user receives an Email message that summarizes information about the hail storm that moved through the area

2 Database Search

- Users can search the hail events database to determine if there were events within a circular area, defined by a central point and a radius
- After specifying the area, the user specifies a data range to further narrow the search

3 Report Generation

- A tabular list of hail events in a particular area can be generated and retrieved as a portable document format (pdf) file
- This may be useful as supporting documentation during communications about potential hail damage in that area

4 Interactive Displays

- An integrated collection of displays (e.g. chart, list, map) and controls (e.g. slider) can help the user efficiently determine where hail most likely occurred and where there are buildings that may have been damaged

For more information about HailDetected visit:
https://haildetected.com

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