



# Weather Inspector

The Baron Weather Inspector gives organizations a simple way to quickly pull data from Baron's extensive historical weather catalog. Given a location, timeframe, and the ability to filter by custom thresholds, the Baron Weather Inspector quickly returns the requested weather data within your custom criteria.

## How does it work and why is this better?

Users are able to access large amounts of spatial & temporal historical weather data to determine impacts on locations. Leveraging Baron's unique weather detection modeling and doppler radar technologies, the summation functions provide fast, custom threshold reporting for your points of interest.

Location data may be queried by address, latitude/longitude, single point or multiple points. Data may also be returned for a custom radius from the location. No matter the options you choose, the location queries happen in an isolated API and server environment keeping everything fast and secure. Baron offers the functionality to query one point or millions of points.

## Product Specifications

The type of weather data available in the Weather Inspector builds upon Baron's legacy of exclusive weather content. Examples of Baron exclusive weather content that can be queried include:

- North American Radar
- Hi Res Surface Temps
- Hi Res Surface Winds
- CONUS Hail Swath
- Nationwide Rainfall Accumulation - 1 hr
- Nationwide Rainfall Accumulation - 24 hr
- Nationwide Total Accumulation - 1 hr
- Nationwide Total Accumulation - 24 hr
- High-Res Road Conditions
- Damaging Wind Path
- Damaging Wind
- Pavement Temperature
- Fire/Smoke/Ash
- Hail Size
- Snow Depth
- Fog
- Local Storm Reports

## Unique Risk Scoring System

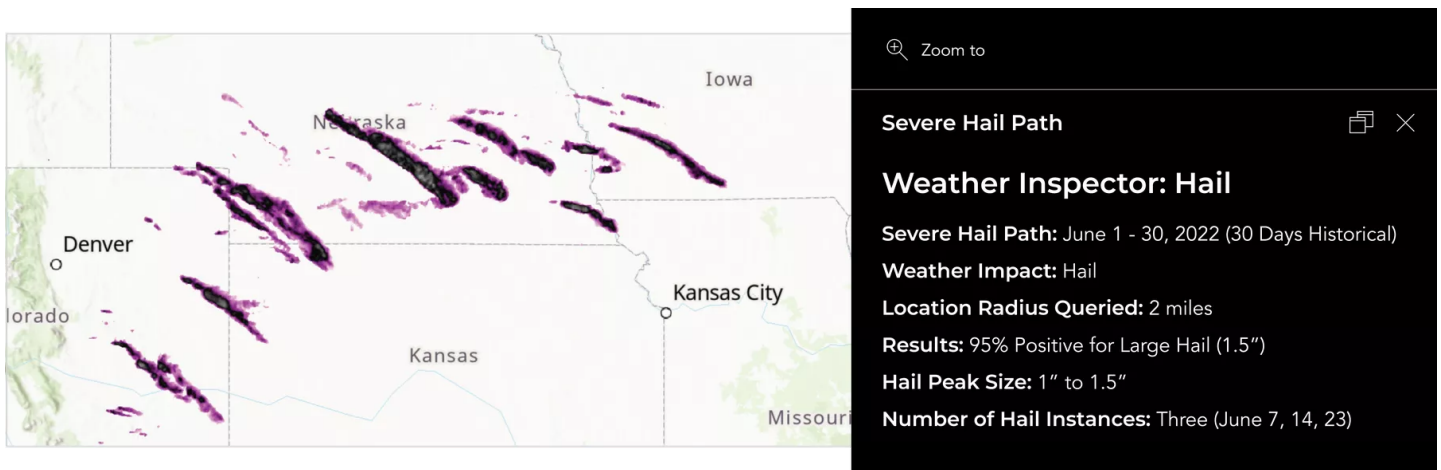
At Baron, we understand how difficult it can be to interpret weather data to gain insights that benefits your business. That's why in addition to providing raw data values, Baron has taken the extra step of providing easy-to-understand Risk Scoring for hail, wind, flooding and other impacts.

With the Baron Risk Score, there is no need to sort through all of the raw data to determine if weather made an impact – we have performed the analysis for you. Factors such as the magnitude, probability, and frequency of occurrence are considered in determining the likelihood that the peril made an impact during the time period in question.

A system like the Baron Risk Score is most beneficial if it can be easily implemented into your software or existing methods of doing business. That's why we have designed the output to be flexible according to your needs, with both text assessments - such as Low-Medium-High - or numerical values on a scale that has meaning to your operation.

In addition to the Risk Score output value, Baron Weather has a report available to give further context to your application. This will give you straightforward insight into the factors that resulted in the Risk Score and allows you to make a determination on a course of action based on the risk factors that mean the most to you.

The Baron Weather Inspector is available as an API service or user friendly web interface. Integration is simple and easy and scalable to your needs.



## Customer Use-Cases

→ **Use Case #1:** An insurance company may use this tool to help validate claims quickly and easily by checking a location for the presence of hail or a custom wind threshold on a given date range. Querying hail and wind speed for a three-day period would normally mean searching through thousands of records to detect the presence of perils. Weather Inspector does the work for you and sifts through the data to summarize the presence and severity of impacts.

→ **Use Case #2:** A land developer conducting site planning may seek the frequency of flooding rain or damaging wind for a potential property over an extended period.

→ **Use Case #3:** An underwriter may look at a five-year history to determine how often a property was susceptible to major perils and use the Risk Score to determine policy pricing for a property. Querying the top major property perils for a five-year period would mean searching through millions of records to detect the presence of perils. Weather Inspector does the work for you to sift through the data to summarize and output scoring.

→ **Use Case #4:** A retailer may want to establish the relationship between weather factors and sales or foot traffic. This data may be used to adjust staffing or prepare the facility when similar weather is anticipated in the future.



## Contact Gabrielle Mullins

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