insurity SpatialKey | Event Response Quick Start Guide

This Quick Start Guide will help you get oriented and get the most out of your Event Response analyses. We value your feedback. Reach out to your account manager with questions or email support@spatialkey.com.

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Event Response 101
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More Quick Start Guides

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Automated Event Notifications

Automated event notifications is an optional feature that your organization may license.

Notifications come directly into your inbox with details about the event and the impacted portfolio with a link to the dashboard where you can dive deeper into analysis.

1. Dataset editors can **enable automation** for any portfolio(s) via dataset settings.

2. Select which **event types** to subscribe the dataset to and select an **associated metric**.

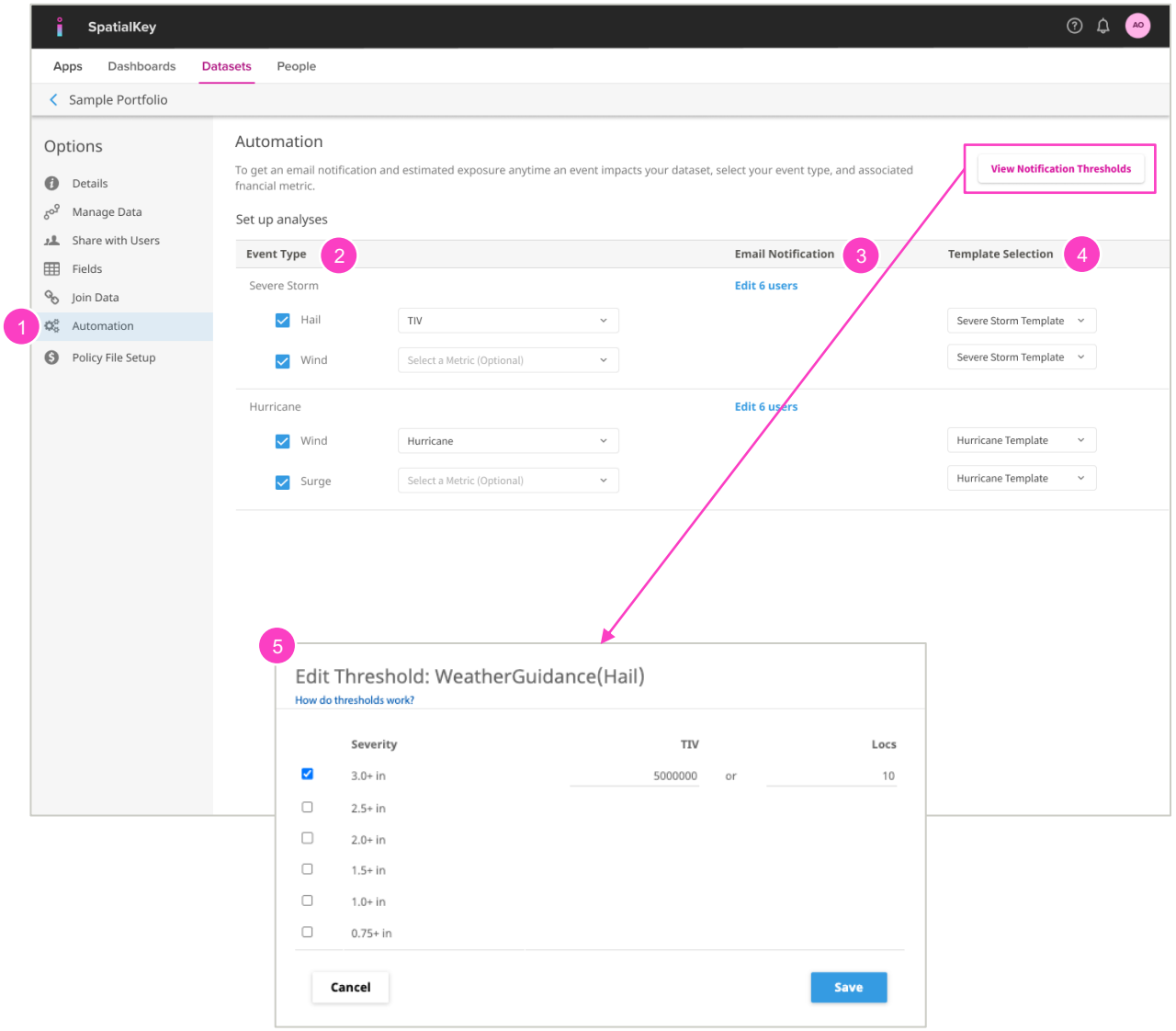
3. **Subscribe users** (or groups) for each event type.

4. Select a **dashboard template** so automated dashboards look just the way you need them to without any fuss.

5. **Custom thresholds** can be set to alert you if a defined number of locations and/or total insured value is exceeded in a specified severity band. For example, you can set notifications for when either 10 locations or $5M in total insured value is impacted by 3+ inch hail; and, this continues for as many severity bands and hazards as you wish to specify.

   By defining custom thresholds, you can ensure you're always informed, but never inundated—enabling you to act immediately and proactively serve customers.

Event response reports can be viewed on iPhones, and detailed analyses can be completed on iPads or desktop computers. Android devices are also supported.



TIP! Analysis results are only as good as the inputs. Use SpatialKey's data import API so you always have the latest portfolio snapshot available for automated event response analyses and notifications.

Run an Analysis

Automated notifications & dashboards can help you proactively manage active events, but you may still need to manually run an analysis, past scenario or a custom footprint. The Event Response application allows you to see all available hazard data across all perils in one place.

1. **Filter, sort, and search** to find an event from our extensive catalog.
2. Or choose your own **custom shapefile** to use as a footprint.

After selecting an event, when applicable, view all providers (public and commercial) and perils (e.g., hurricane and surge) that are available for your analysis.

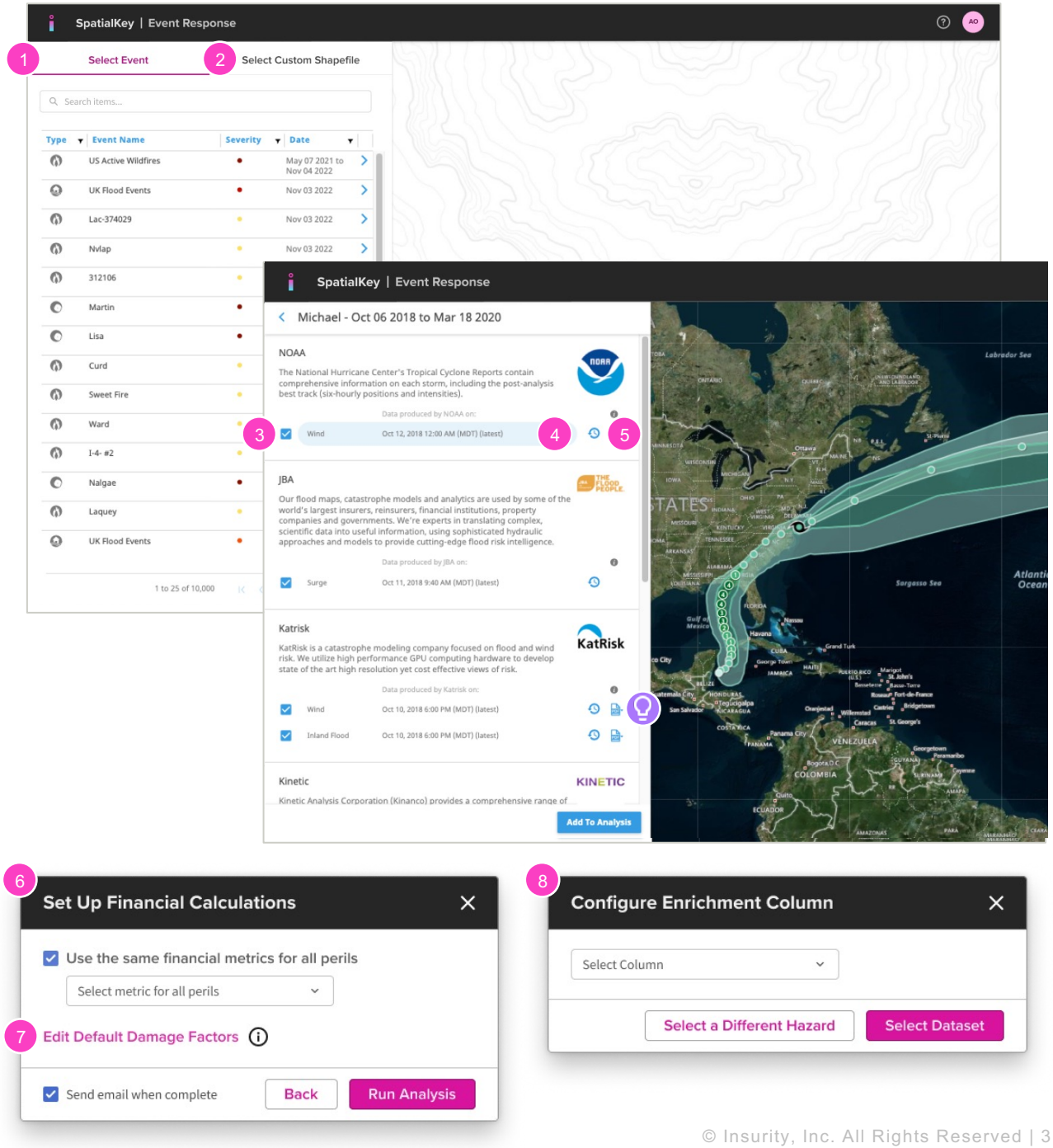
3. Select which **hazards and perils to include**.
4. Click a provider/hazard type to **preview** the footprint.
5. Select from **past vintages** to review the point of landfall, or see how the storm has changed from prior forecasts.

TIP! Download a PDF for each provider and hazard for more info, including when you can expect updates and what your dataset will look like after running the enhancement. View all providers here.

Pre-analysis customization options

After adding hazard data to your analysis, you'll **identify your portfolio, select metric(s),** and if you ran a custom footprint, you'll also **select an enrichment column**.

6. Select the same metric across all hazards, or select different metrics for each (e.g. if you have separate flood vs. wind coverages).
7. Edit Default Damage Factors (See next page for detail)
8. If you selected a custom footprint, choose a column from the shape file to use in the analysis.



Run an Analysis (continued)

Set Default Damage Factors (Admins only)

1. Users with **Super Admin** or **Data Admin** permissions can manage their organization's default damage assumptions from the Event Response setup screens by opening the hamburger menu.

2. By default, impacted locations are assumed to be damaged at 100% when estimating exposure. Site Admins can customize these default damage factors, and those values will be applied automatically to all subsequent analyses.

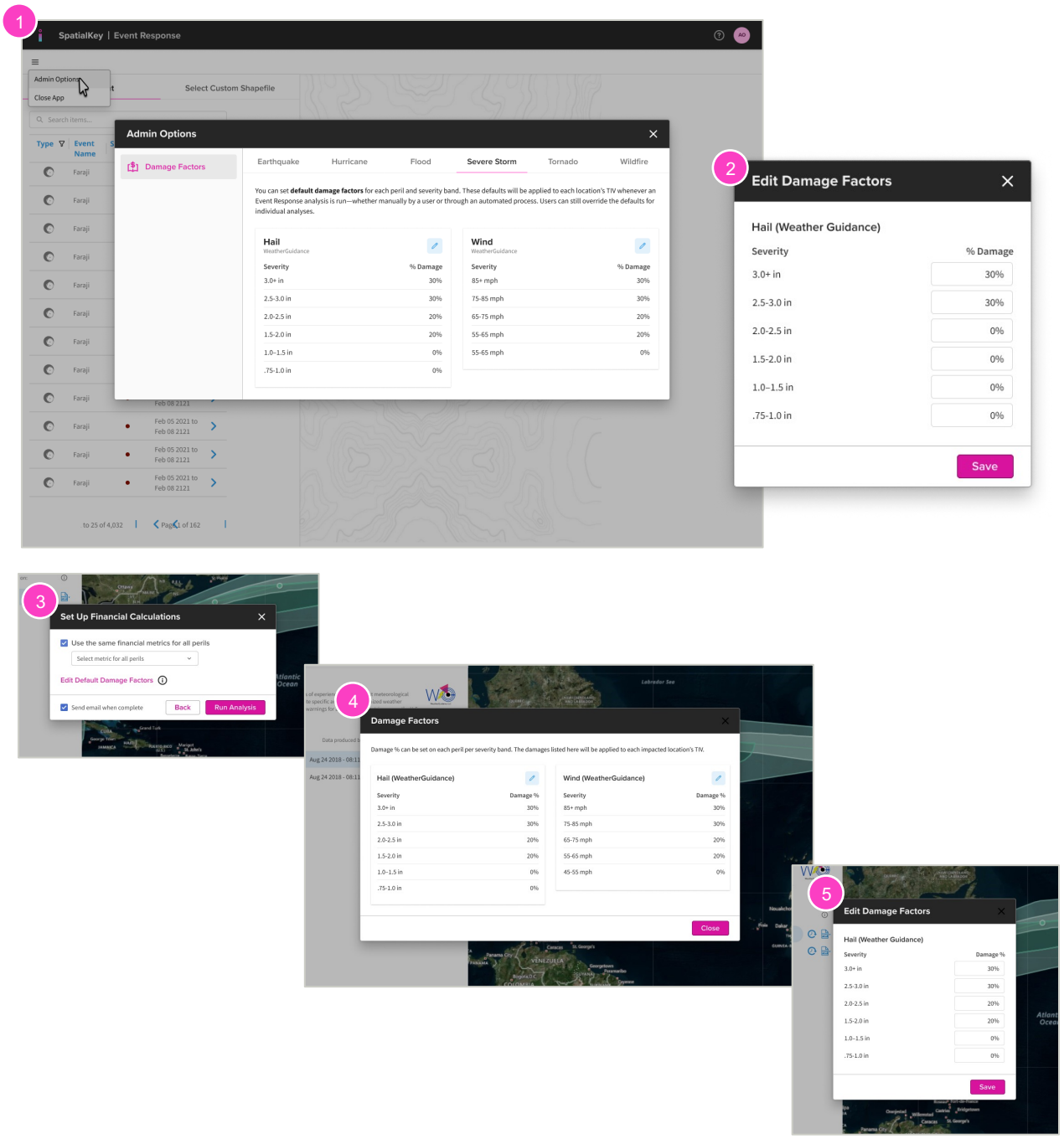
Edit Default Damage Factors

3. Non-admin users can also adjust damage factors for an individual analysis during the Set Up Financial Calculations step. If no changes are made, the analysis will use the organization-level defaults described above.

4. You can define damage percentages for each peril selected in earlier steps. Click the pencil icon to edit a peril, then specify damage values for each severity level.

5. For example, hail events with severity 3.0+ inches may be assigned a higher damage percentage than 0.25 inches, improving the accuracy of exposed-limit calculations.

Any custom damage factors you apply will appear in the dashboard as calculated columns on the Locations tab. When custom damages are used, this will be clearly indicated in the header (for example, "Damaged TIV").



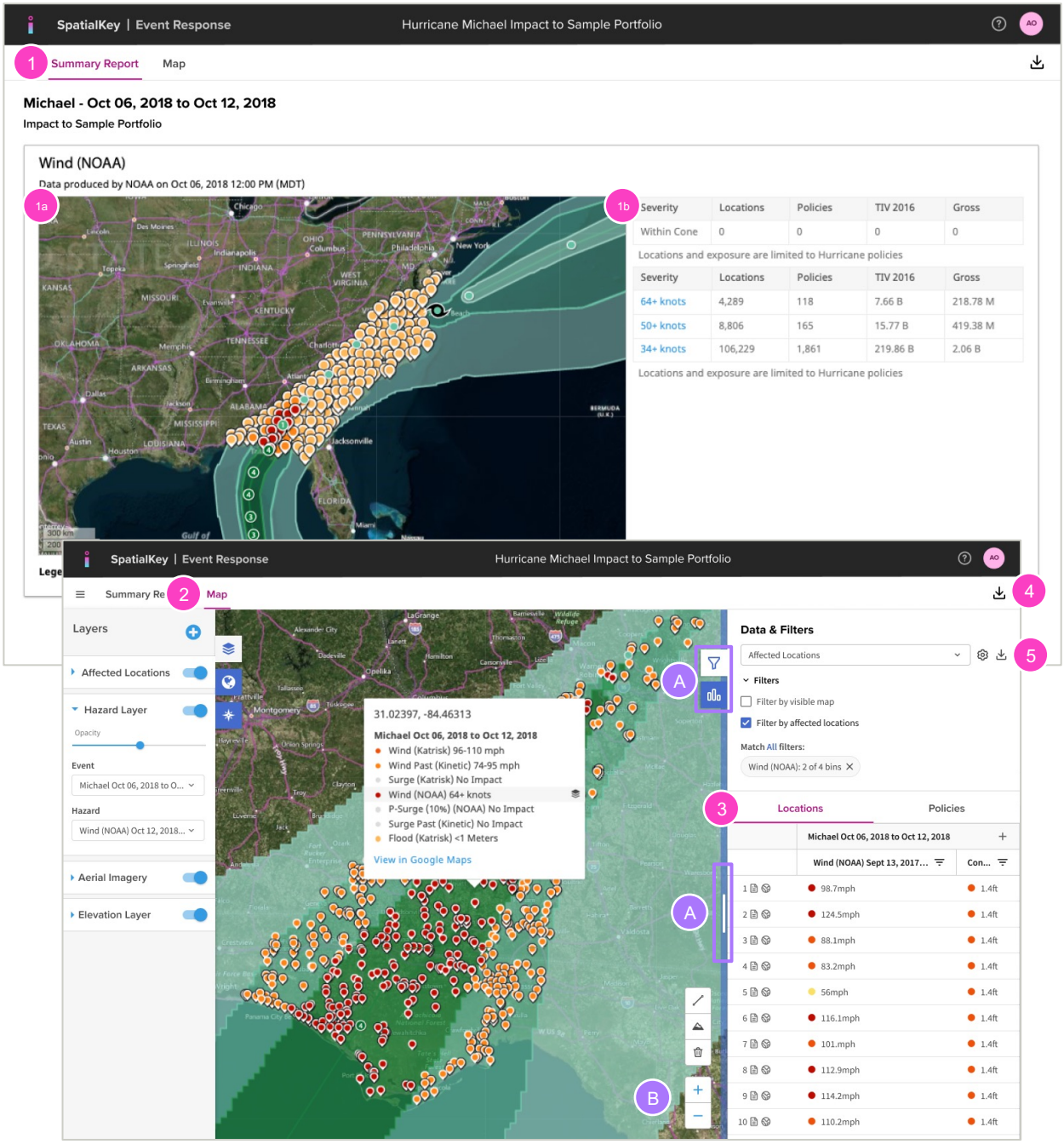
Visualize and Understand Results

1. You'll initially see a **Summary Report** of your risks based on all hazards enabled for your analysis. This report provides high-level information for where to focus your analysis. You can:
   a. Visualize impacted locations and hazard extents.
   b. Quickly identify impacted locations, policies, insured value, and gross (or net) exposure by severity band.
2. With the **map**, you can visualize the various hazard layers and your impacted portfolio locations in a single place.
3. A **list** of impacted portfolio locations is available, enhanced with hazard information that you can sort and filter to enhance your analysis.

Download Reports

4. Download a ZIP file of impacted locations & policies enhanced with hazard information along with the shapefile event footprint data.
5. Separate files of your locations, policies, and unique value lists can be downloaded as CSV files.

   Note: Both sets of data will reflect any filters or changes made to the dataset.



TIP!

A. Click the Filter or Chart icons to expand or collapse the view. Drag the blue vertical bar to resize the right panel and get a better view.

B. Use your mouse to drag & pan the map. Use your mouse wheel or the "+" & "-" buttons to zoom.

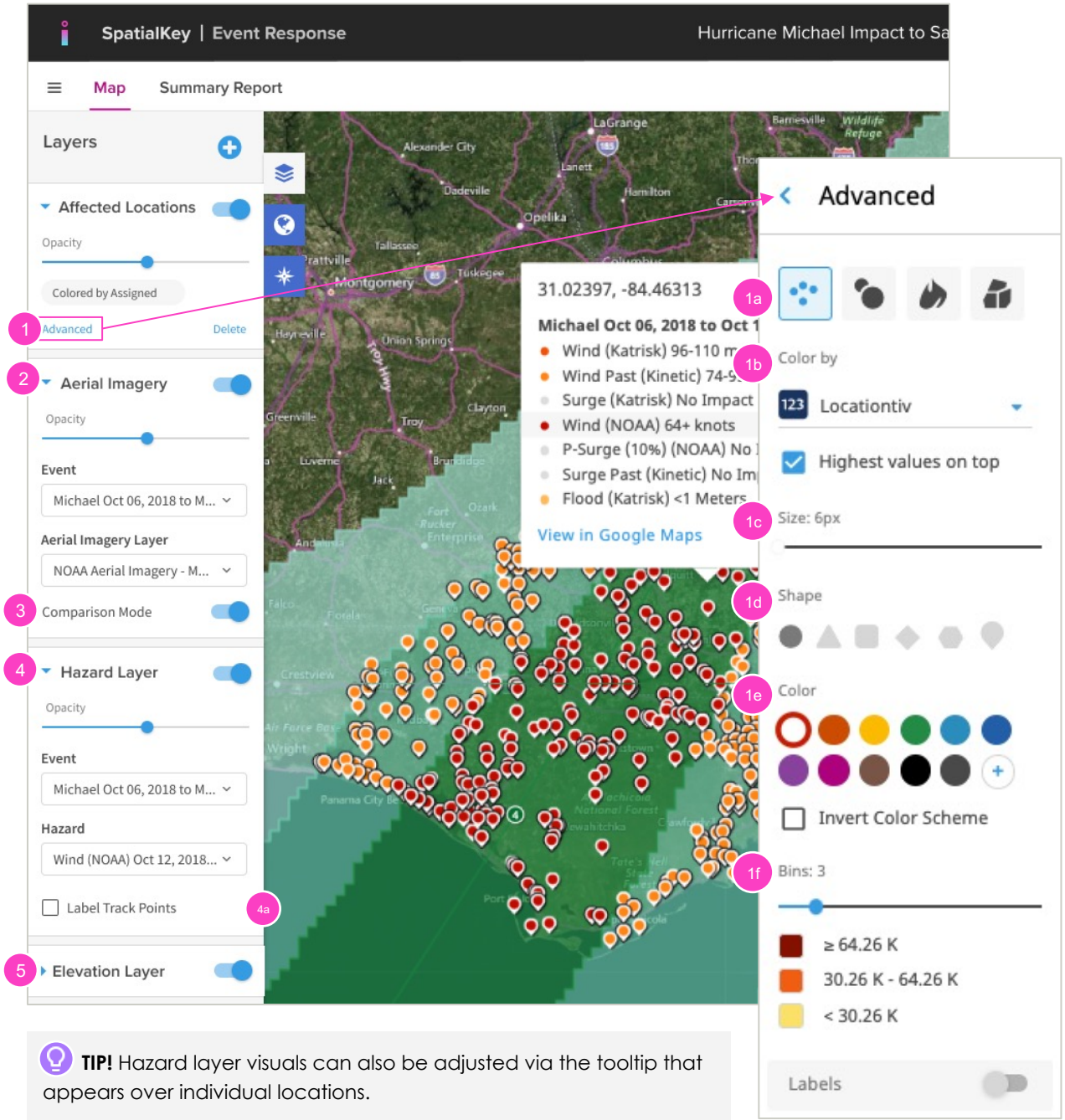
Layers, Base Map & Legend

Use the **layers** to adjust the visualization of your data. Toggle the layers on/off or adjust the opacity of layers to make different elements stand out on your map.

1. Use the **Advanced** options to adjust the visualization of any point dataset in your dashboard.
   a. **Visualization Options:** Point datasets will have 4 display options: individual points, graduated circles, heatmap, and thematic.
   b. **Color By:** Color your data by any column on your dataset e.g., TIV or City. When visualizing by graduated circles, heatmap, or thematic, only aggregate numeric values will apply.
   c. **Size:** Adjust how large points render.
   d. **Shape:** Select from 6 different shapes when viewing your data as individual points.
   e. **Color:** Select from various preset color family options or create your own with the "+" icon.
   f. **Bins:** Select from between 2 to 9 bins to color and group your data.
2. Enable the **aerial imagery** layer if available.
3. Enable **comparison mode** to visualize two different hazard layers or aerial imagery layers side-by-side, helping you compare two different models or points in time in the same view.
4. Change the **hazard layer** visualized on the map.
   a. When visualizing NOAA Hurricane, there is an option to **Label Track Points** on the map.
5. Enable the **elevation layer** to view global contours.

Adjust the **base map** visualization from satellite to street view. If you have more than one base map enabled, you could switch between them here.

The **legend** helps you make sense of all the data that is being visualized.



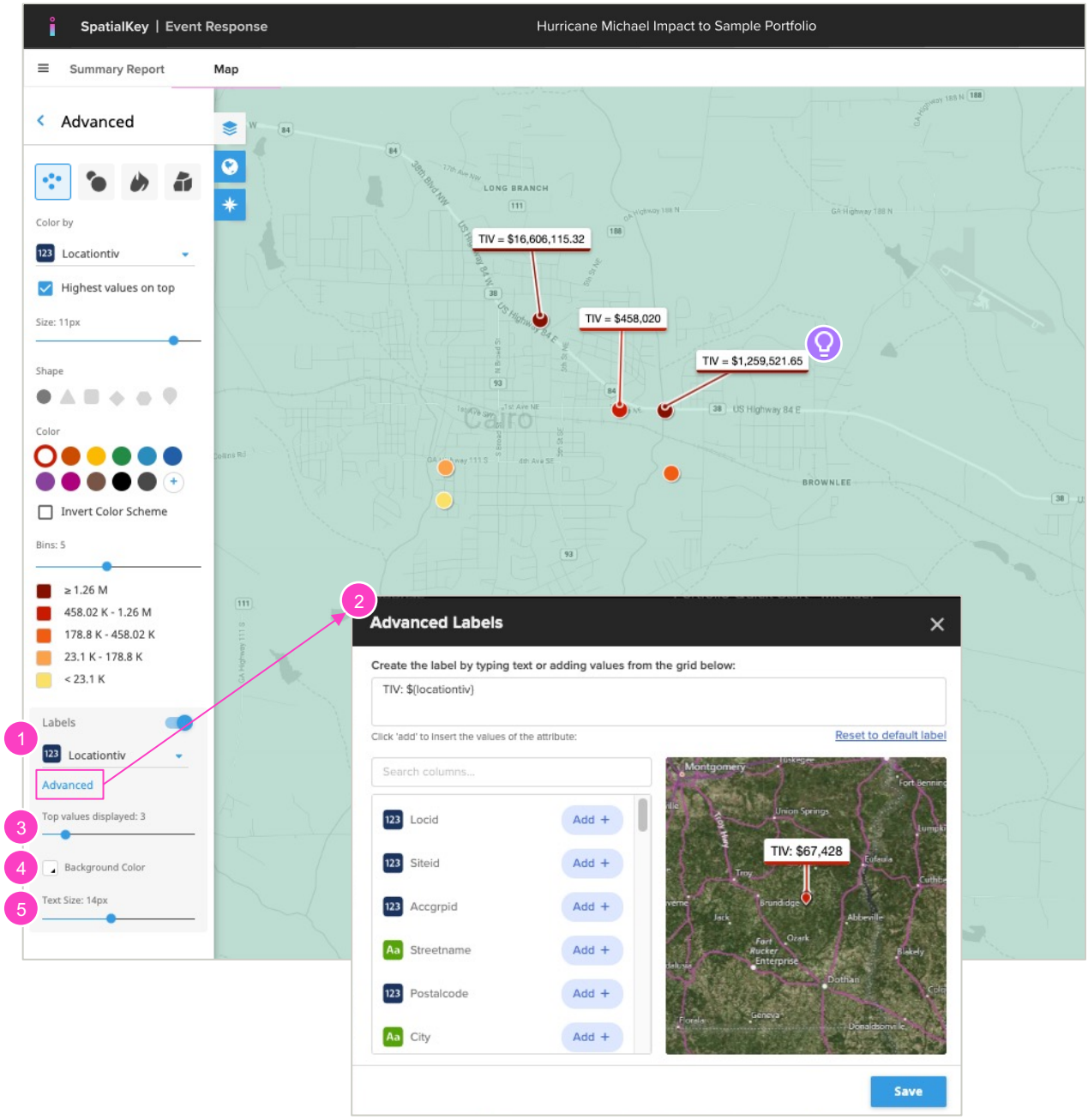
TIP! Hazard layer visuals can also be adjusted via the tooltip that appears over individual locations.

Labels

Add custom labels to any point dataset in your dashboard. By default, the first column on your data will be used to label the top 10 values.

Click the "Advanced" link in the layer panel to find the toggle for labels along with other visualization options.

1. **Select a column** (numeric or text)to quickly add top labels to your dataset.
2. Use the **Advanced option** to create your own formula to fully customize the labels.
3. Label up to **20 top values.**
4. Change the **background color** to help the labels stand out on the map. Labels default to a white background.
5. Adjust the **text size** between 1-30px. Text size defaults to 15px.



TIP! Drag labels around to position them to your liking. Double-click a label to customize each one individually. Deleting the text within a label will return it to its default state.

TIP! Select "Filter by visible map" if you'd like to narrow what is labeled to only locations you can see on your screen (vs. top values across the dataset).

Analysis Tools

Enhance your analysis with these reporting tools:

1. **Statistics Panel**

   By default, you'll see a Stats pod in your dashboard with total location count and the sum of the metric selected for the analysis or TIV (if available).

   You can add additional statistics to your dashboard by clicking the more menu icon in a stats pod or by clicking the "Stats" button under "Add Charts" in the right panel. Select from any numeric value in your dataset and aggregate by Sum, Avg, Min or Max.

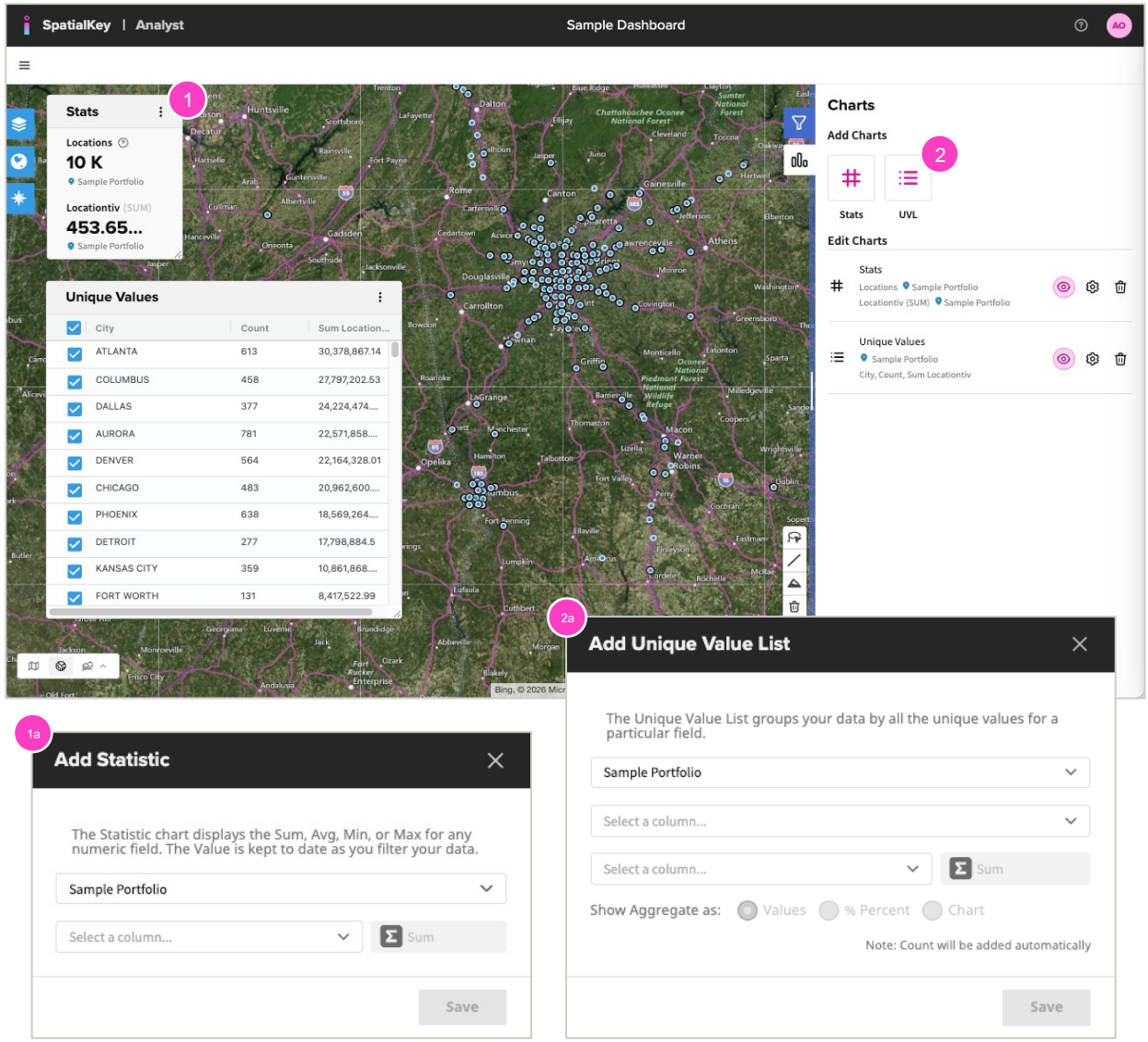
   The Stats pod will appear, and you can drag it anywhere on your map.

2. **Unique Value Lists**

   Next to the Stats button in the Charts panel, you'll find the Unique Value List (UVL) button.

   Click the button and then select any column from your location or policy file and the metric you want to aggregate.

   The UVL will pop up with your unique values and aggregates. You can drag the pod anywhere on your map and use the rows to filter your data.



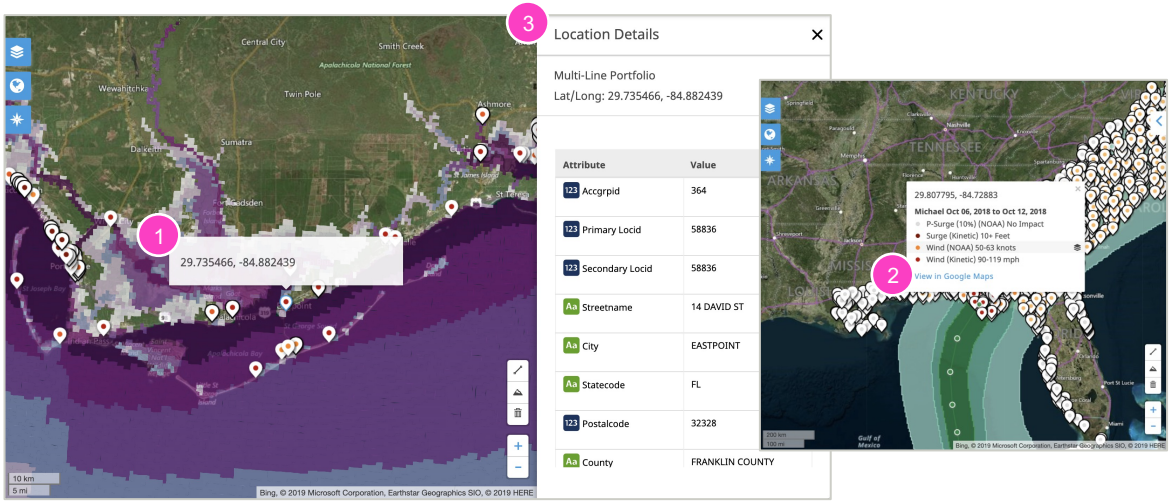
Analysis Tools (continued)

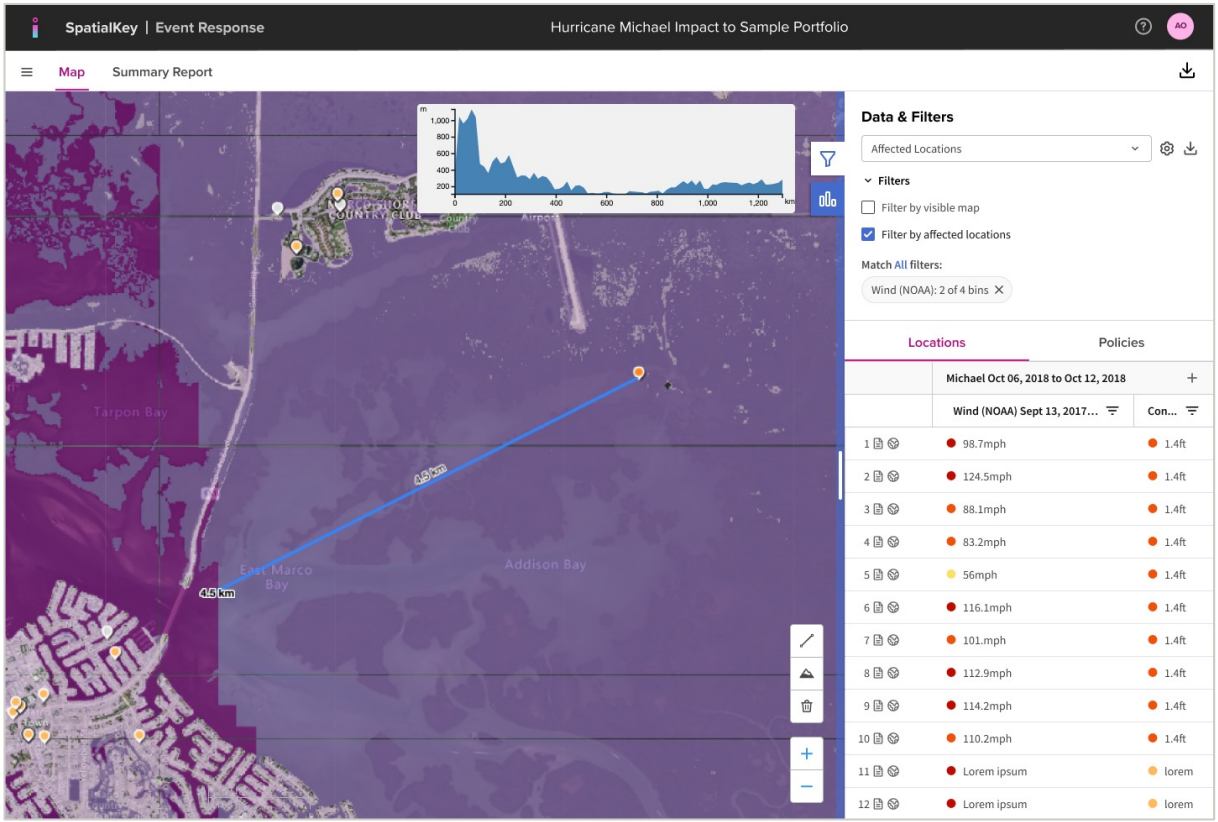
Enhance your analysis with these analytic tools:

1. Hover over a location to see the **lat/long coordinates**.
2. Click on a location to see a tooltip with the option to view in **Google Maps**. This will save you the step of re-entering the location in another browser if you want to explore the risk from an on-the-ground street view.
3. Click on a location to see all the **details** of that location.

The **distance tool** allows you to measure the distance between any points on the map. You can add as many vertices to your ruler as you wish. To visualize the elevation across the ruler that you drew, use the **elevation profile**.

Use the **elevation tool** to look up the elevation for any single point on the map.





TIP! The distance tool and elevation tool can also be accessed by right clicking anywhere on the map.

Additional tools accessible in the right click menu include:

- Zoom to Address or Lat/Long
- Copy Lat/Long
- View in Google Maps

Filtering Data

1. **Filter by Severity Band:** Click on a severity band in the Summary Report (e.g., 64+ knots) to be taken to the map with the list filtered to the band you selected.
2. **Filter by Affected Locations:** For Hurricane (NOAA & Kinetic only) and Wildfire analyses, a buffer of locations near the footprint are included in the analysis but filtered out by default. Toggling this checkbox off allows you to view those locations.
3. **Filter by Drawn Shapes:** When drawing custom shapes, this checkbox allows you to easily toggle to filter by the shape or not.
4. **Filter by Visible Map:** You can select to filter by visible map which will limit the locations in the List Report to only those visible on the map. This is helpful in keeping the List Report in sync with what you see.
5. **Filter Chips:** Filters applied from data columns will display as chips that can be removed here.
6. **Column Filters:** Use the column filters from your location or policy file (if available) in the List Report to narrow down your locations. Apply filters across multiple columns and then set the filter to require **ALL** or **ANY** of the criteria to be met (e.g. "and" vs. "or").
7. **Custom Shapes:** Draw custom shapes to filter your data, show the square feet or miles and, where relevant, radius, distance, and perimeter.

   Click individual shapes to **edit**, **drag** them to a new position, or hit the **delete** key to remove them. Use the **trash can to clear all** drawn shapes at once.

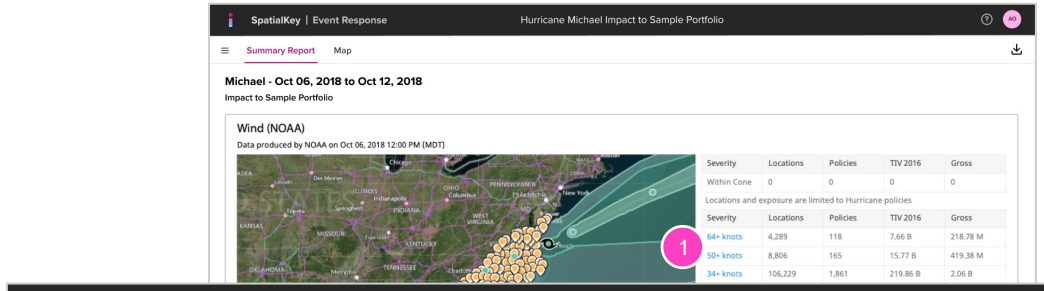
   Drawing filters have 4 different options:

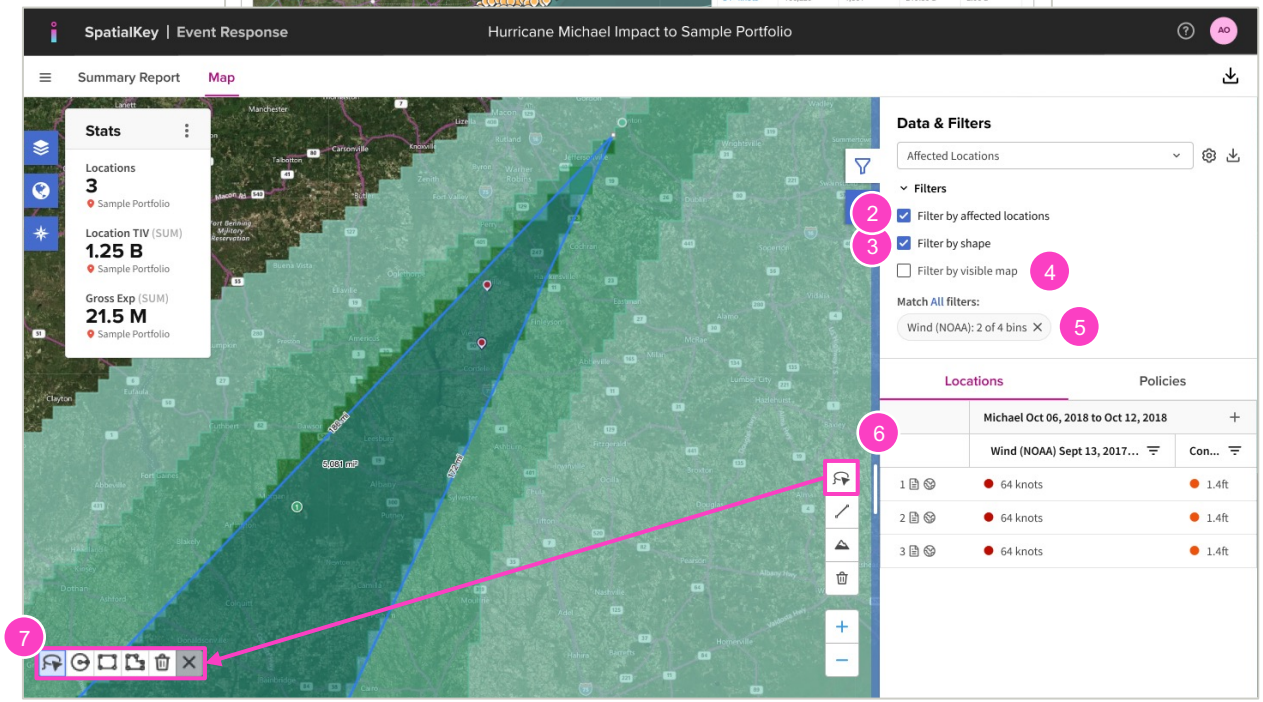
   a) Use the **freehand lasso** tool to draw a custom shape around locations to filter your data.

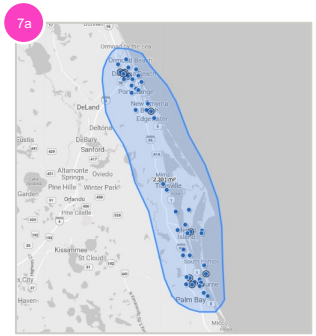
   b) Draw a **circle** to see how many locations fall within a certain radius.

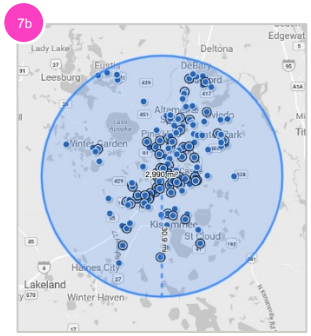
   c) The **rectangle** tool can help you quickly calculate a perimeter.

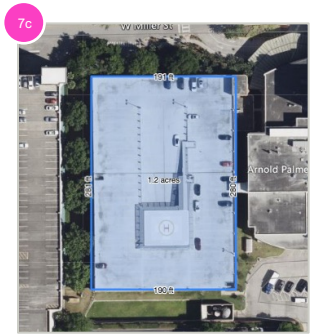
   d) Use the **polygon** tool for irregular perimeters or to estimate square footage.











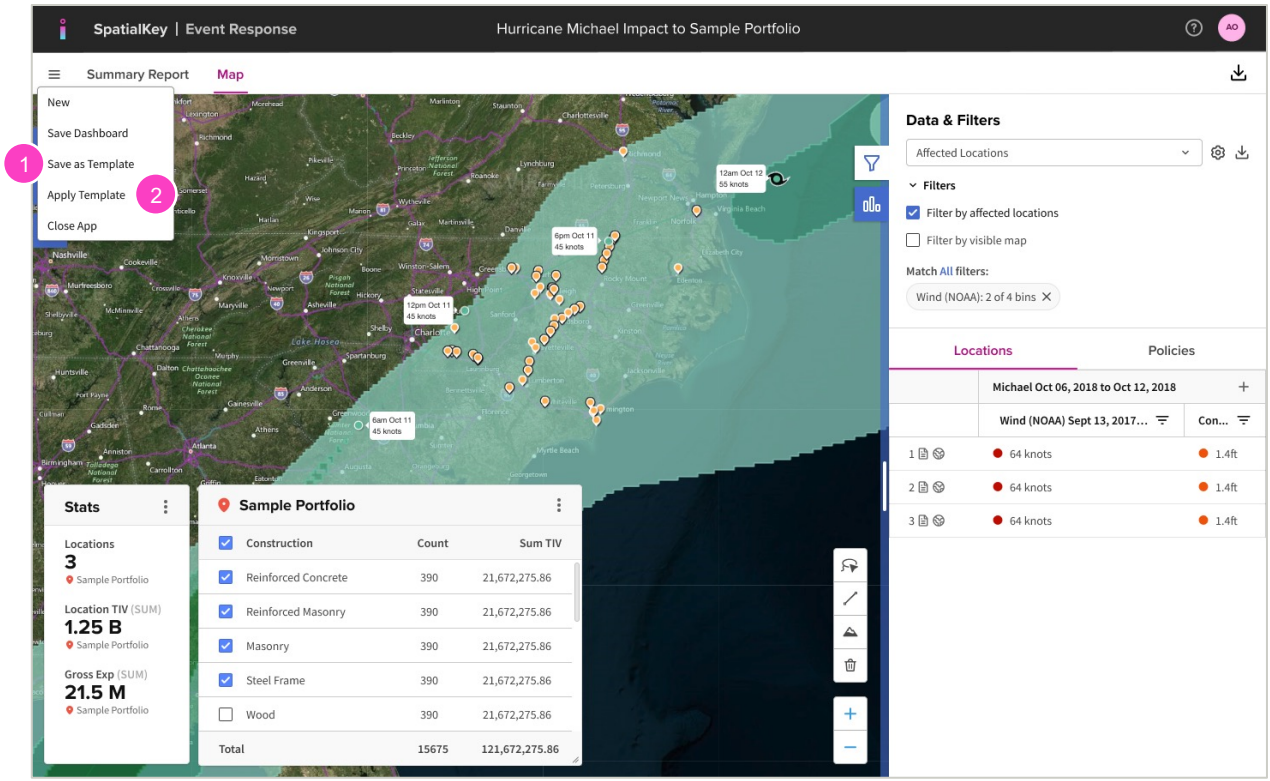
Dashboard Templates

Templates allow you to set up a dashboard with the view you need to best analyze an event and use that same setup for future dashboards.

Prep a dashboard and customize it the way you need it. E.g., set visualization options, filter the data, create a unique value list to display any attribute on your dataset (like state or construction type).

1. Once you've set up your dashboard, click the hamburger menu to select "**Save as Template**".

2. Use templates for automated or manual analyses. Select "**Apply Template**" any time you want to use a template on an open dashboard. See p. 2 for more info on setting up templates on automated analyses.



Save & Share Dashboards

Easily collaborate and share dashboards across your organization to ensure seamless communication.

Save

Event Response dashboards are **automatically saved** for 90 days.

1. Access your dashboards via the "Dashboards" tab in the home interface.

2. Reset the 90-day expiration clock, or remove it completely, so your dashboard won't expire.

Share

3. A dashboard owner can share it with other SpatialKey users by clicking "Add Owner" in dashboard settings.

   Adding an owner allows you to select specific users or groups and give them access to your dashboard and your underlying data all in one step. Anyone who didn't already have access to the underlying data will be given Viewer permissions on the data.

   Shared dashboards will show for those users in the Dashboard tab.