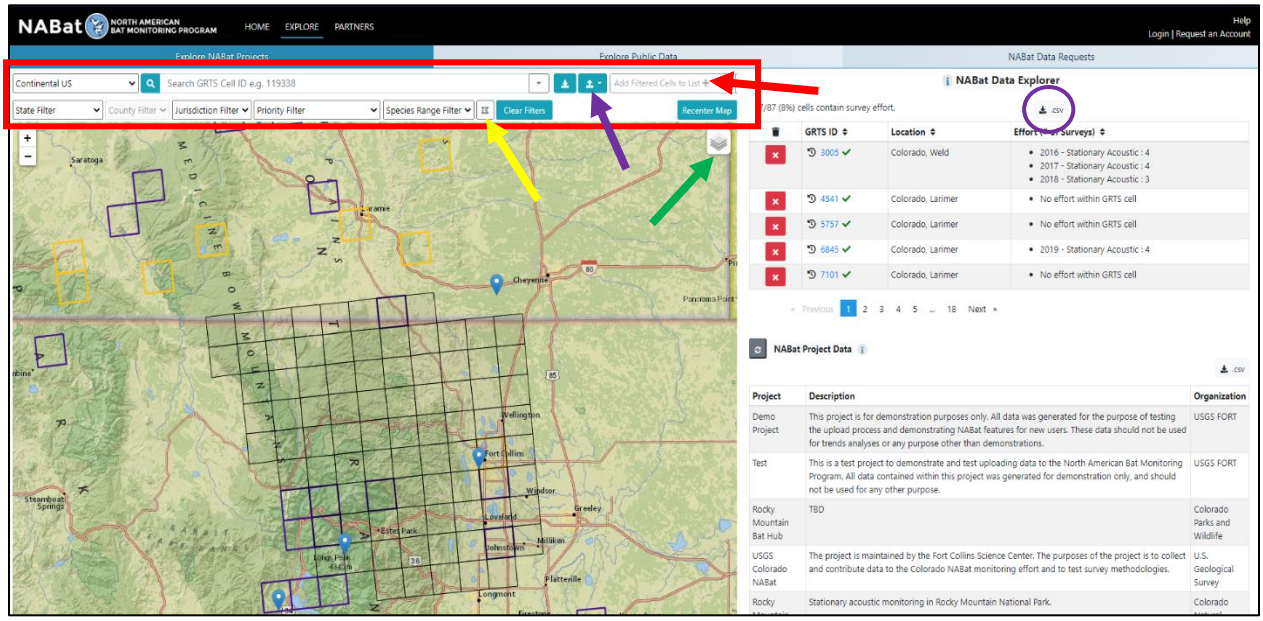
Exploring Public NABat Data

NABat offers two public data visualization maps. The first, accessed through the Explore NABat Projects tab, enables users to explore where data have been contributed, what type of data were uploaded, and details of the project that provided the data. The second, accessed through the Explore Public Data tab, enables users to view GRTS level species information for data that have been released for public view by the contributor and request data that have be uploaded but not released for public view by the contributor. The following document provides guidance for accessing each page, along with details of the available mapping features.

Exploring NABat Projects

The Explore NABat Projects page enables public view of where and when data have been collected and what type of data has been contributed to the NABat program. To access this feature:

1. Navigate to the NABat homepage (https://sciencebase.usgs.gov/nabat/#/home).
2. Click the "Explore" tab in the black menu bar at the top of the page.
3. Click the "Explore NABat Projects" tab beneath the black menu bar at the top of the page.
4. A number of filters are provided to select cells of interest. In the top left of the page (red box), users can search for cells by GRTS number or lat/long and filter cells by state, county, jurisdiction, and sampling priority. Users can also select from a variety of map layers by clicking the button in the top right of the map (green arrow). Available map layers include street map, imagery, topographic, administrative boundaries, priority cells, and more.



In addition to filters, the cell mapping tool allows users to select cells by drawing a polygon around the area of interest (yellow arrow). All GRTS Cells that intersect the polygon will be highlighted in a blue outline.

Users with spatial files of their area of interest can upload a .geojson or .kml file using the upload button located to the right of the filter tools above the map (purple arrow). Simply click the button, select "Upload GRTS selection (.geojson, .kml)" and navigate to your spatial file. As with the drawing tool, all GRTS cells that intersect the .geojson or .kml will be highlighted in a blue outline.

To manually add individual cells, zoom to the cell of interest and double click the cell to add it to the table in the right half of the screen.

5. Once GRTS Cells within the area of interest have been selected (highlighted in a blue outline), click the "Add Filtered Cells to List +" button, located in the top right of the map filters (red arrow) to add cells to the table in the right half of the screen.

   Summary information for each cell will be displayed in the table, including GRTS Cell ID, state, county, and number and type of surveys for which data has been uploaded (by year). This information can be downloaded as an Excel CSV by clicking the .csv button located above the table (purple circle).

   Additionally, the green "Find" button beside "NABat Project Data" (located beneath the table on the right half of the screen) can be selected to display summary information about cell ownership, including Project descriptions and owning organizations. Data on WNS status and banding records are accessible using the corresponding "Find" features below "NABat Project Data."

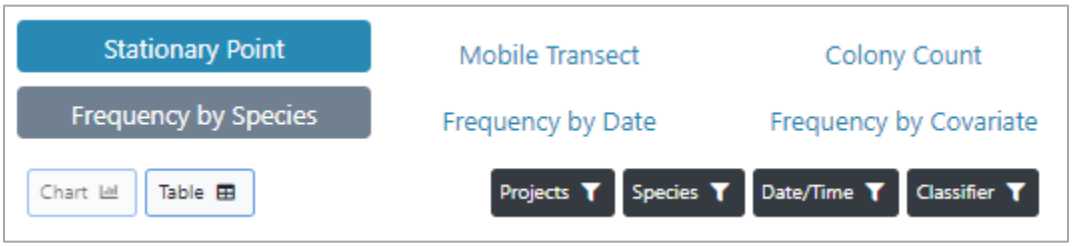
Exploring NABat Data Released for Public View

1. Navigate to the NABat homepage (https://sciencebase.usgs.gov/nabat/#/home).

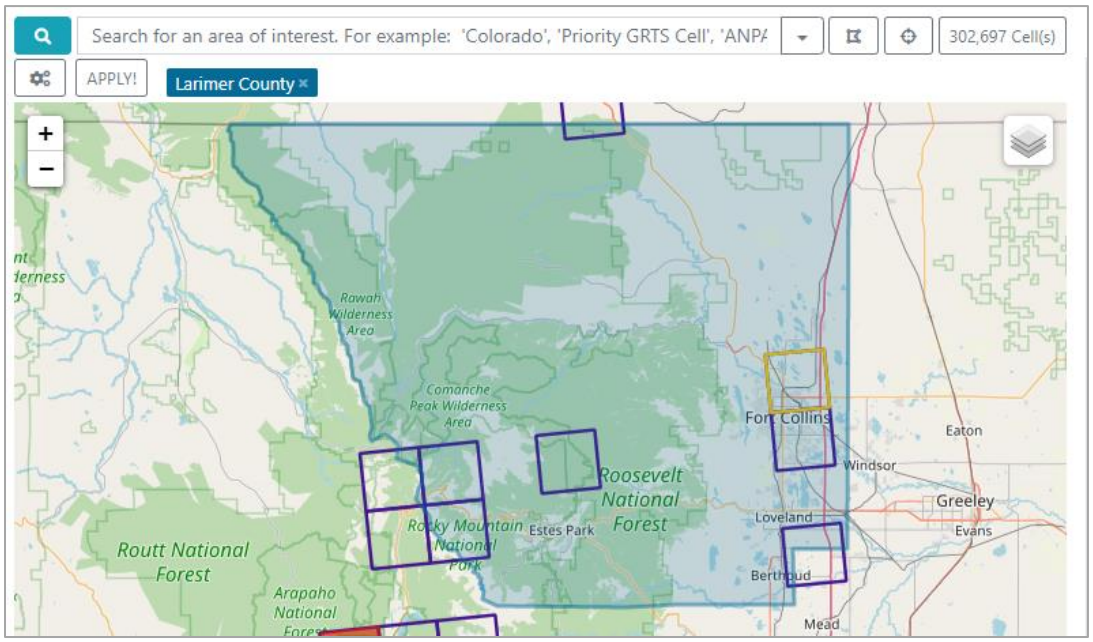
2. Click the "Explore" tab in the black menu bar at the top of the page.

3. Click the "Explore Public Data" tab beneath the black menu bar at the top of the page.

4. Select the survey type of interest from the menu on the top right half of the screen, and apply any temporal or species filters using the buttons provided



5. Use the search bar above the map to select the NABat GRTS Cells within your area of interest. Users can search for geographic or jurisdictional filters (e.g. state, county, land management agency, etc.) or locate cells based on GRTS ID, geographic coordinates, or NABat sampling priority using the search bar. Once a filter has been applied, additional filters can be added using the advanced options button . Advanced options allow users to apply logical operators (AND/OR) to filter cells that meet all criteria *or* cells that meet either criteria (e.g., cells located in MO *and* on USFS land or cells located in MO *or* USFS land). Custom selections can be made using the drawing tool (located to the right of the search bar). Selected/filtered cells will appear with a light blue border.



6. Once the area(s) of interest are located and the desired NABat GRTS Cells are highlighted, click the APPLY! button (located beneath the search bar) to filter the data visualization on the right half of the screen to your selection (selections made using the drawing tool will automatically be applied). Individual cells can be selected by double clicking them on the map. Selecting the "Show Survey Locations" button beneath the bar chart will display a table providing summaries for each GRTS Cell containing publicly released data, including the number of surveys conducted and the number of bats observed matching the current species filter. **This table summarizes data released for public display only and does not include undisclosed data collected in the selected GRTS Cells.** Data which has not been released for public display by the contributor can be requested by clicking the "Create Data Request Button" beneath the bar chart. Detailed guidance on creating a third-party data request is available at [Get Data | NABat (nabatmonitoring.org)]