



BROWNFIELD DATA VIEWER

HOW-TO USER GUIDE

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The CRA participates in innovative partnerships that eliminate blight conditions and provide affordable housing through a workable program that encourages reinvestment in neighborhoods.

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1.0 WELCOME

Welcome to the Brownfield Data Viewer, an interactive web mapping application designed to help users explore brownfield assessment data and potential brownfield sites in a GIS-based format. This application provides spatial context to environmental, redevelopment, and site status data, supporting planning, assessment, and decision-making efforts. The application is intended for a broad audience, including planners, environmental professionals, regulators, community stakeholders, and the general public. No prior GIS experience is required.

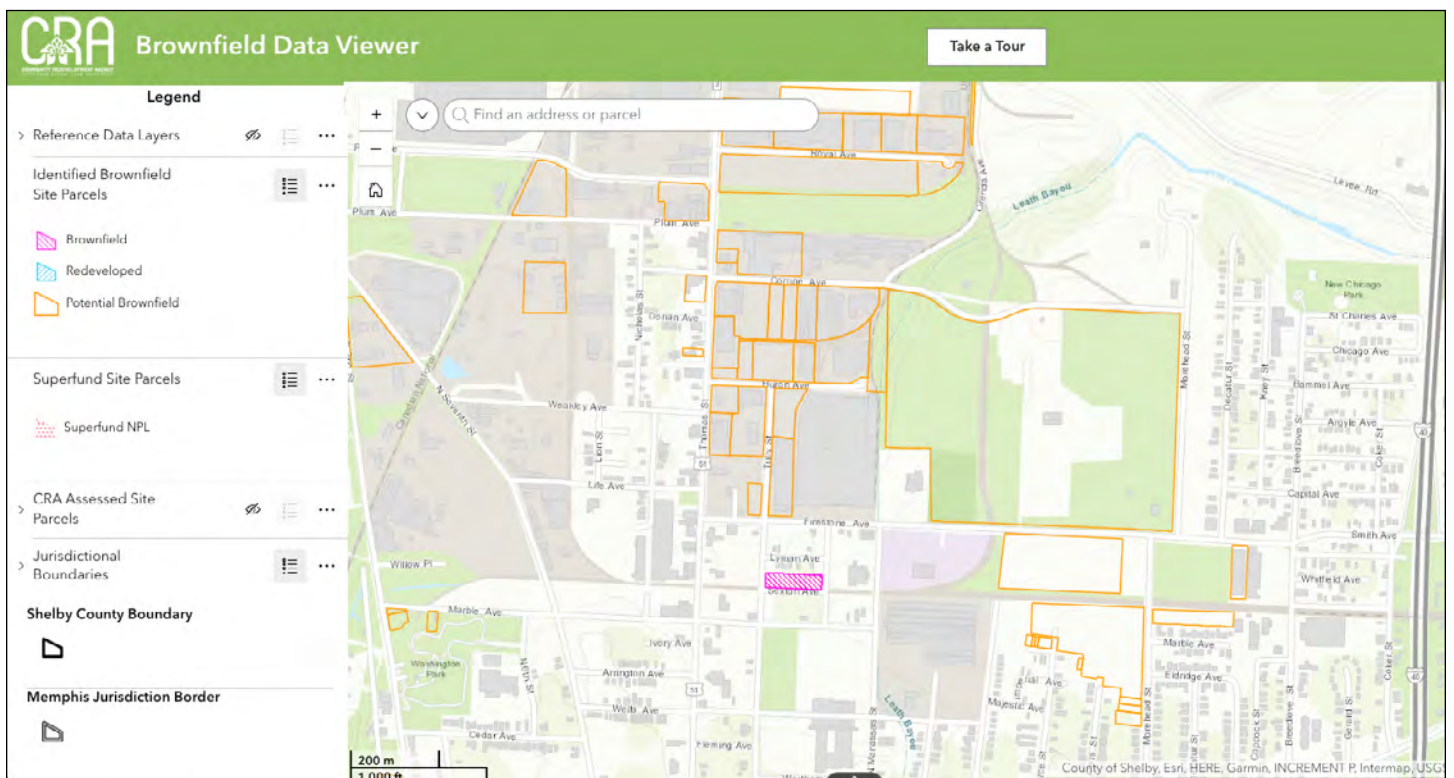
This guide is a draft and may be updated as application features and datasets evolve.

2.0 GETTING STARTED

Additional information to get started with the web application is listed below. The Brownfield Data Viewer is available here.

2.1 WHAT IS THE BROWNFIELD DATA VIEWER?

The Brownfield Data Viewer is an interactive, map-based application built in ArcGIS Online and designed to consolidate parcel-level brownfield information for all of Shelby County. Whether you're a neighborhood advocate, government agency, nonprofit, or resident, this tool gives you easy access to property ownership, jurisdictional, and other critical datasets—no programming or GIS expertise required.



2.2 PURPOSE

This tool and its open data access let residents, community organizations, and officials make data-informed decisions to improve our community.

2.3 KEY FEATURES

When the application opens, users are presented with an interactive map and a set of tools for exploring brownfield-related data. Some of the key interface components include:

- **Header / Title Bar:** Displays the application name and includes navigation and informational buttons.
- **Main Map View:** The central map displays brownfield assessment data and related layers.
- **Tool Panels / Widgets:** Tools such as search, layer controls, print, and basemap configurations are accessible from expandable panels in the top righthand corner.

2.4 ACCESS TO THE APPLICATION

Access to the Brownfield Data Viewer is free and open to the public – it does not require an account to access the information. Some datasets or tools may be view-only depending on configuration or ownership.

3.0 FEATURES & TOUR

When the application opens, users are presented with an interactive map and a set of tools for exploring brownfield-related data.

3.1 MAP NAVIGATION

Some of the basic map controls include:

- **Zoom In/Out:** Use the mouse scroll wheel, touchpad gestures, or on-screen zoom buttons.
- **Pan:** Click and drag the map to move around.
- **Reset View:** Use the home button to return to the default extent.

3.2 FEATURES

3.2.1 POPUPS

When you are in the Brownfield Data Viewer, you can click on any property on the map to view a popup window, or tooltip, containing more information. This popup contains data about the property owner, brownfield status, photos, fact sheets, and more. Some popups may include links, attachments, or additional details depending on the dataset.

3.2.2 WIDGET BAR

The widget bar at the top of the screen allows you to interact with the web application and data. Each bubble contains a specific type of widget with different functionality. Hover over a bubble to view its description.

3.2.3 DATA LAYERS

The data layers lists are listed in the legend on the lefthand side of the screen. Available data includes: relevant reference data layers from state and national datasets (e.g. EPA, TDEC), CRA assessed sites, grant target areas, and potential brownfield sites identified through a geospatial vacancy overlay analysis. Users can toggle on/off data layers by clicking on the layer name. By clicking on the ellipses next to a data layer, users can set filters, calculate statistics, add to the data table at the bottom of the page, and export to a variety of data formats (CSV, KML, shapefile).

3.2.4 PRINTING, EXPORTING AND SHARING

To support reporting and collaboration, users can utilize the print function in the upper right corner to create a printout of the current map view to multiple formats.





■ 4.0 SUPPORT AND TROUBLESHOOTING

If the web map is not displaying the expected datasets, ensure relevant layers are turned on and try zooming in/out to the appropriate scale. If your search is not returning results, you can try partial names or addresses and verify that the feature type is supported by search.

For questions, feedback, or data inquiries related to the Brownfield Data Viewer, please contact:

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■ 5.0 GLOSSARY

Brownfield: A property where the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

GIS: Geographic Information System; a framework for capturing, managing, and analyzing spatial data.

Layer: A dataset displayed on the map representing a specific feature type.

Superfund Site: Any land in the USA that is contaminated by hazardous substances and is managed by the Environmental Protection Agency (EPA) for cleanup. These sites often include manufacturing facilities, landfills, and other locations where hazardous waste has been improperly managed. The Superfund program aims to investigate and remediate these contaminated areas to protect public health and the environment.