

McKeldin Library Map Collection 3D Tour

McKeldin Library's map collection, located in the 4th floor's west wing, contains around 350,000 print maps, atlases, and other geographic products. The majority of these items were donated through the Federal Depository Library program, and as such, the collection contains a wide variety of government-related maps, including USGS topographic maps, soil maps, CIA maps, aeronautical maps, and forest maps. Due to the sheer size and scope of the collection, the GIS and Data Service Center is seeking to develop an interactive, web-based application to help people find the maps they're looking for. Using ArcGIS Pro and ArcGIS Experience Builder, we have created a web application that allows users to explore a 3D model of part of the topographic map collection and query materials based on cabinet number, drawer number, and the associated state. This project will eventually be expanded to the entire map collection and include more advanced search and query options. With this application, we hope to increase public awareness of the library's extensive map collection and encourage students and Marylanders to take advantage of this exclusive resource. This application builds on existing 3D GIS products, specifically Arizona State University's [3D Explorer](#) app.

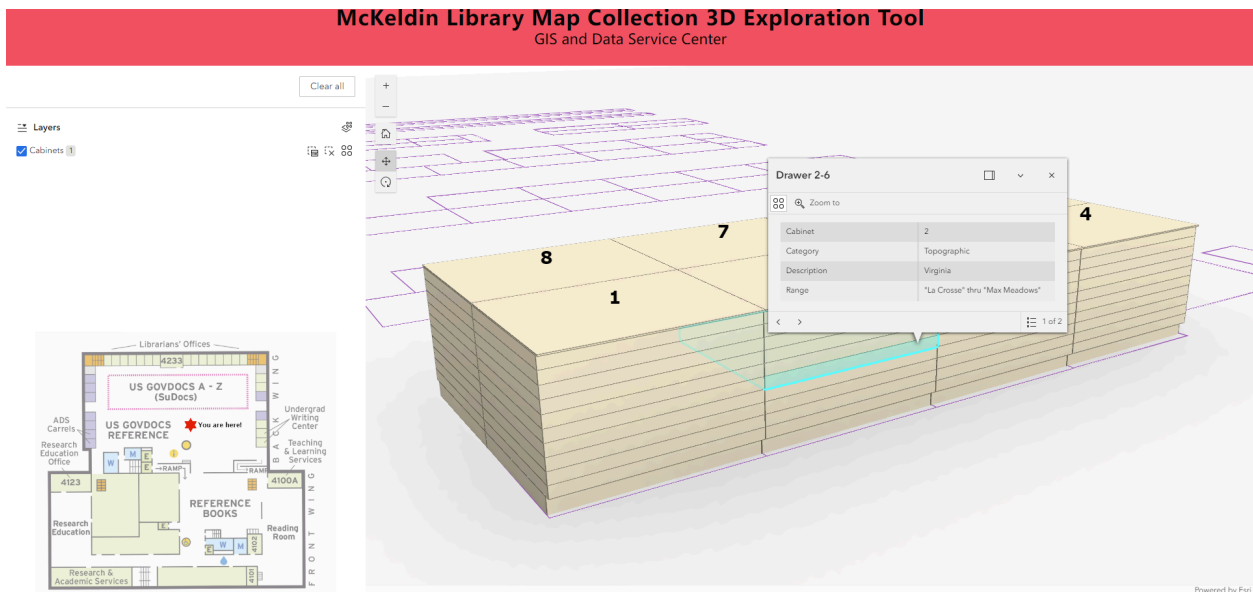


Fig. 1: Individual drawers can be selected manually without using the select tool at left.

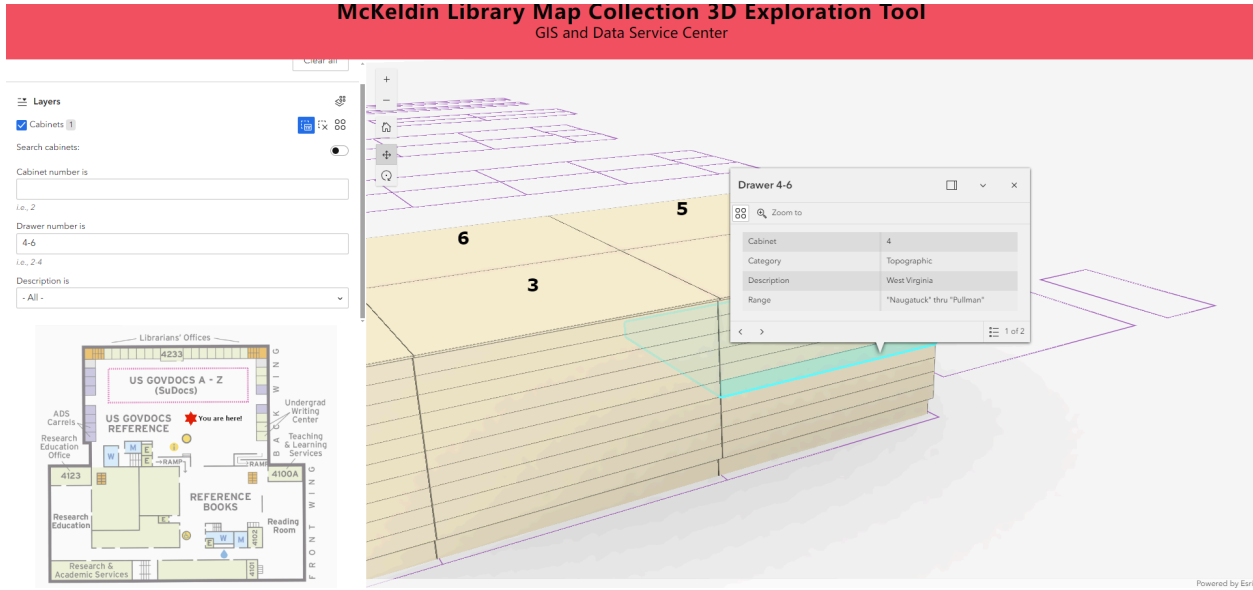


Fig. 2: The select tool can be used to find whole cabinets or individual drawers. In this case, drawer 4-6 has been queried and is thus highlighted in light blue in the model.

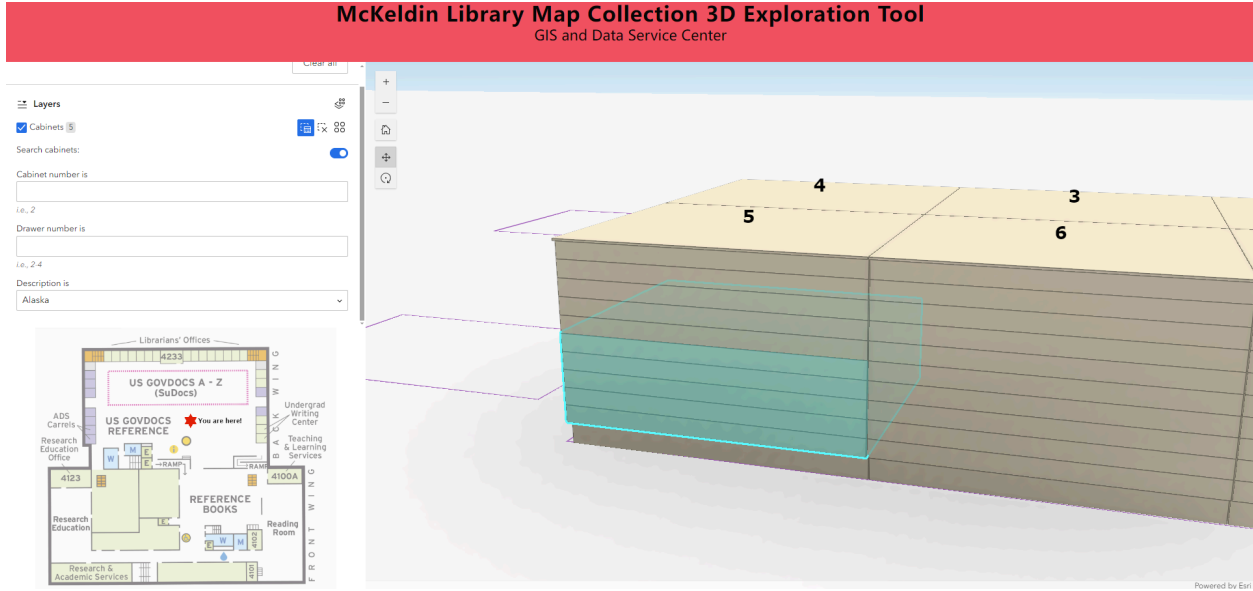


Fig. 3: The select tool can also query for specific states: in this case, the state of Alaska has been selected, thus only the drawers containing maps from Alaska are highlighted.

The application can be readily accessed through the link below, and we encourage any and all interested users to submit feedback as we continue to develop this project.

Link: <https://experience.arcgis.com/experience/518219d1168f4c8d9111d4fa6b076498/>

