

INTRODUCTION

The Environmental Screening Tool (EST) Map Viewer provides two formats for loading spatial data into the map: 1) *Esri ArcGIS Server Map Services*, drawn on the server side and sent to the browser as images OR 2) *Feature Layers*, drawn in the browser. The table below summarizes key differences between these formats.

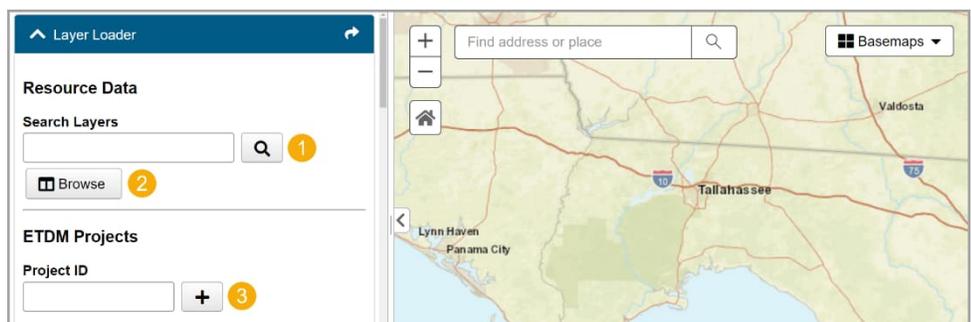
CAPABILITY	MAP SERVICE	FEATURE LAYER
Draw Speed	Faster with “dense” layers (i.e. those with many features in the requested map extent).	Faster with sparse layers.
Layer Sorting	Not supported. You can change the order of map services, but not the layers within them.	Supported, but feature layers cannot be moved below any <i>map services</i> also included in the map.
Print legend	All symbols for a given service’s layer are included in the legend.	Only those symbols related to features visible within the map are included in the legend.
Identify	Displays results from all visible layers, regardless of display order.	Only top-most feature of the top-most layer clicked is displayed; features hidden below the clicked feature are not included in identify results.
Imagery	Raster datasets can only be viewed within map services.	Directly loading image layers is not supported.

There are also some minor differences in the way certain hatched fill symbols are rendered. For most purposes, we recommend using map services.

LAYER LOADER TOOL

Load spatial data into the map viewer using the *Layer Loader* tool.

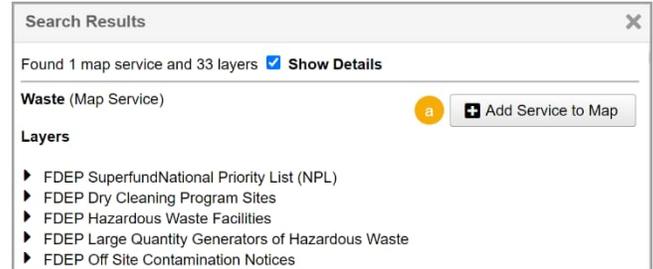
- 1) Search by typing a title, description or keyword and click the *Search* icon.
- 2) Click the *Browse* button to access the *Layer Browser* and look through the full collection (organized into topics).
- 3) For ETDM projects, enter a project number to view all analysis areas for that project. To view just a specific analysis area, enter as project-analysis area ID, e.g. "1234-1".



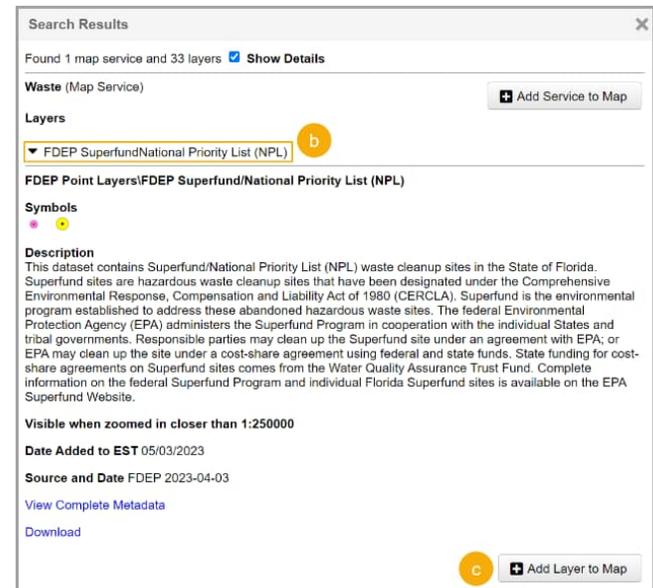
1. SEARCH

The *Search Results* dialog lists both map services and feature layers.

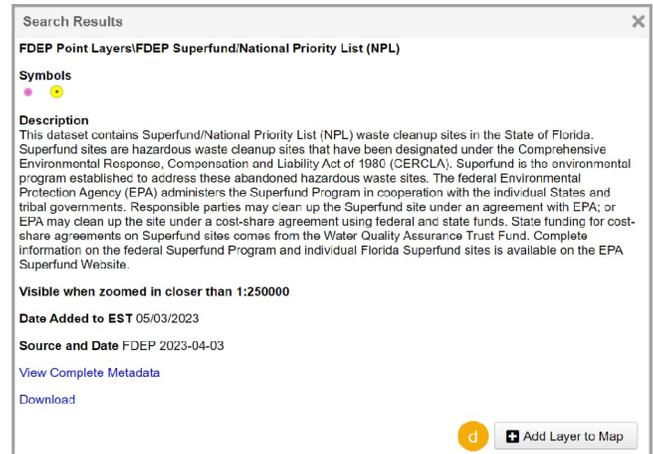
- a) Click the *Add Service to Map* button to add a map service.



- b) Click a feature layer under a map service to reveal additional information.



- d) Scroll through the *Search Results* dialog to view individual feature layers and corresponding information. Click the *Add Layer to Map* button to add the feature.



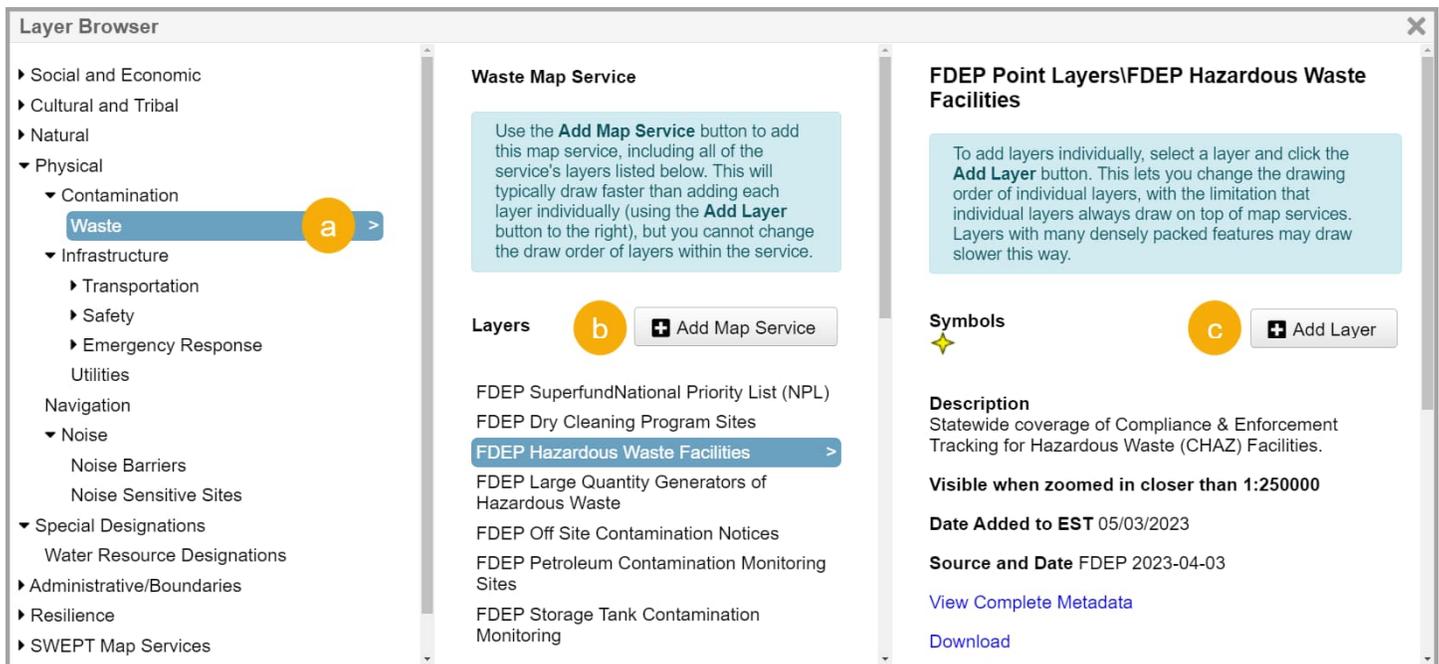
2. LAYER BROWSER

The *Layer Browser* contains the full collection of map services and feature layers. It is divided into three panes.

- Left pane – List of topics in which the EST’s map services are organized.
- Center pane – Map service and list of feature layers within the service.
- Right pane – Detailed information about the selected feature layer.

Add Map Service or Feature Layer

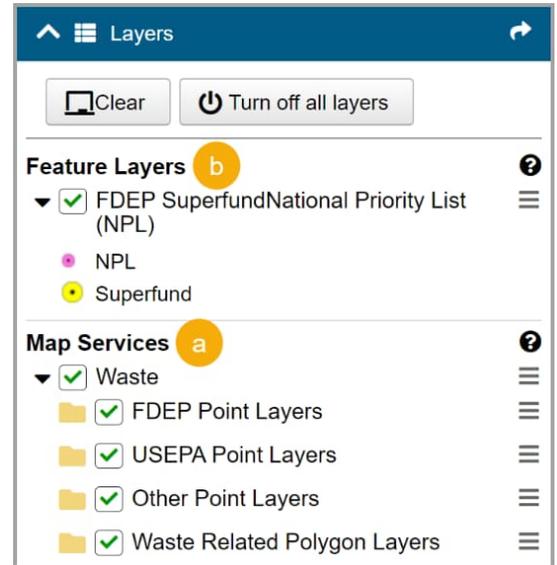
- a) Navigate through the topics to your desired map service.
- b) Click the *Add Map Service* button to add the service in the map. Please note, the *Layer Browser* will close after adding a map service.
- c) Click the *Add Layer* button to add an individual layer in the map. Please note, the *Layer Browser* remains open when adding layers allowing you to quickly navigate to other layers to add them as needed.



Layers Tool

When a map service(s) and or feature layer(s) is added to the map, they are displayed in the *Layers* tool.

- a) The map service(s) displays under the **Map Services** heading.
- b) The layer(s) displays under the **Feature Layers** heading.



3. ETDM Projects

Individual EST projects loaded into the map via the *Layer Loader* tool will appear as both map services and feature layers. This allows for the detailed segment-level details and analysis area buffers to be incorporated into the map (as a map service) and a simple highlight (as a feature layer) which can be drawn on top of other feature layers and map services.

