

Maptools

UCERF3 Faults

(Uniform California Earthquake Rupture Forecast, version 3)

The United States Geological Survey ([USGS](https://www.usgs.gov)) UCERF3 faults allow users to insert California's fault lines onto the map. To insert the fault lines, check the box next to "UCERF3 Faults." Users are given the option to choose from either black, yellow, red, or grey faults. To obtain more information regarding a particular fault, click on the fault and a popup with information pertaining to the selected area of the fault will appear.

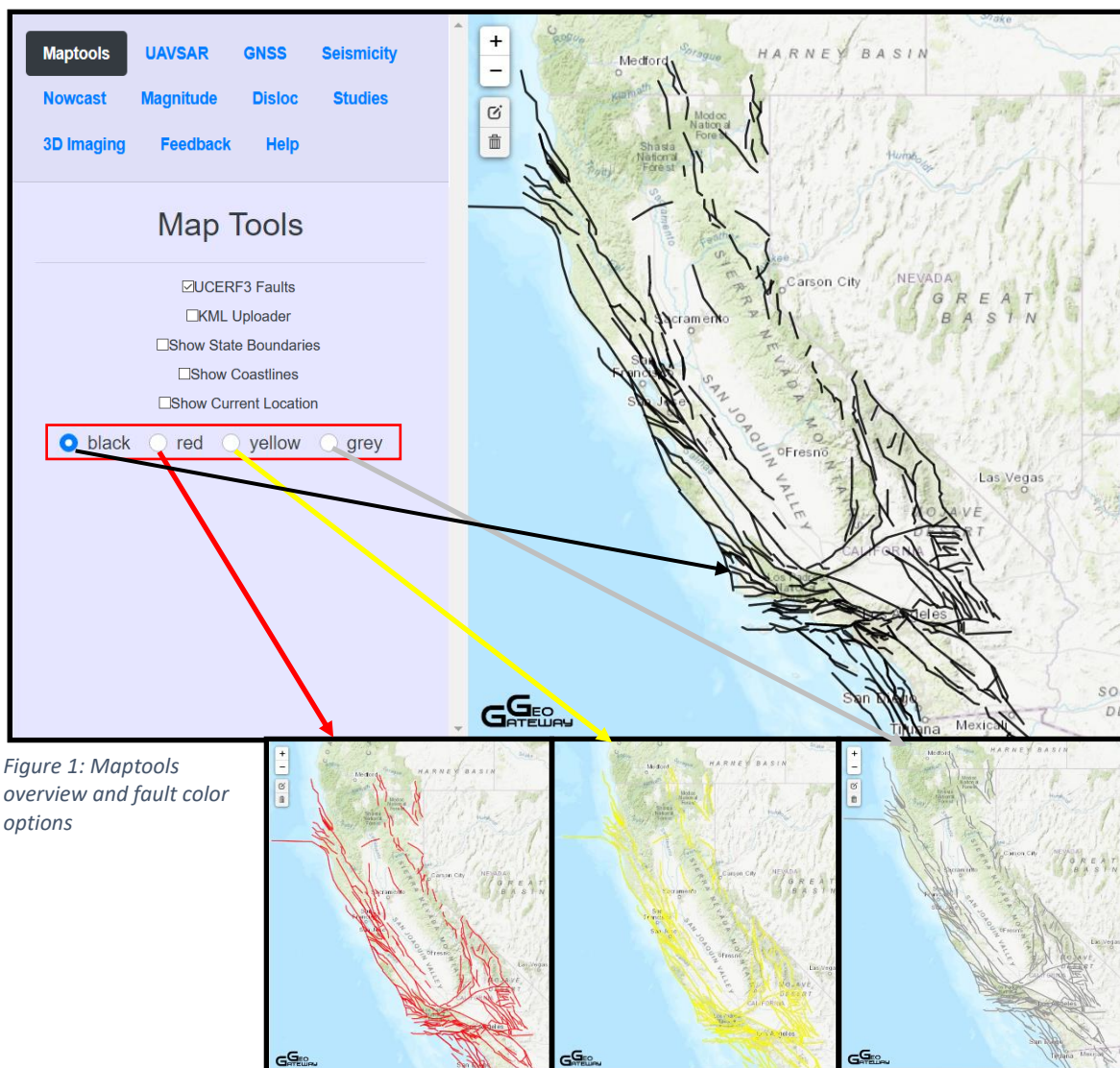


Figure 1: Maptools overview and fault color options

KML Uploader

KML (Keyhole Markup Language) is a file format used to display geographic data.

For *example*, visiting the USGS website below,

<https://earthquake.usgs.gov/earthquakes/search/>

allows for users to search through an earthquake catalog in which the selected earthquake data can be downloaded as a KML file and uploaded into GeoGateway as shown in *figure 2*.

Once uploaded into GeoGateway, the KML file(s) are displayed.

By clicking the box next to the uploaded KML file, the file will be displayed on the map.

In this case, the KML file named “USGS_Earthquakes” is displayed on the map.

Figure 2: USGS earthquakes catalog output options

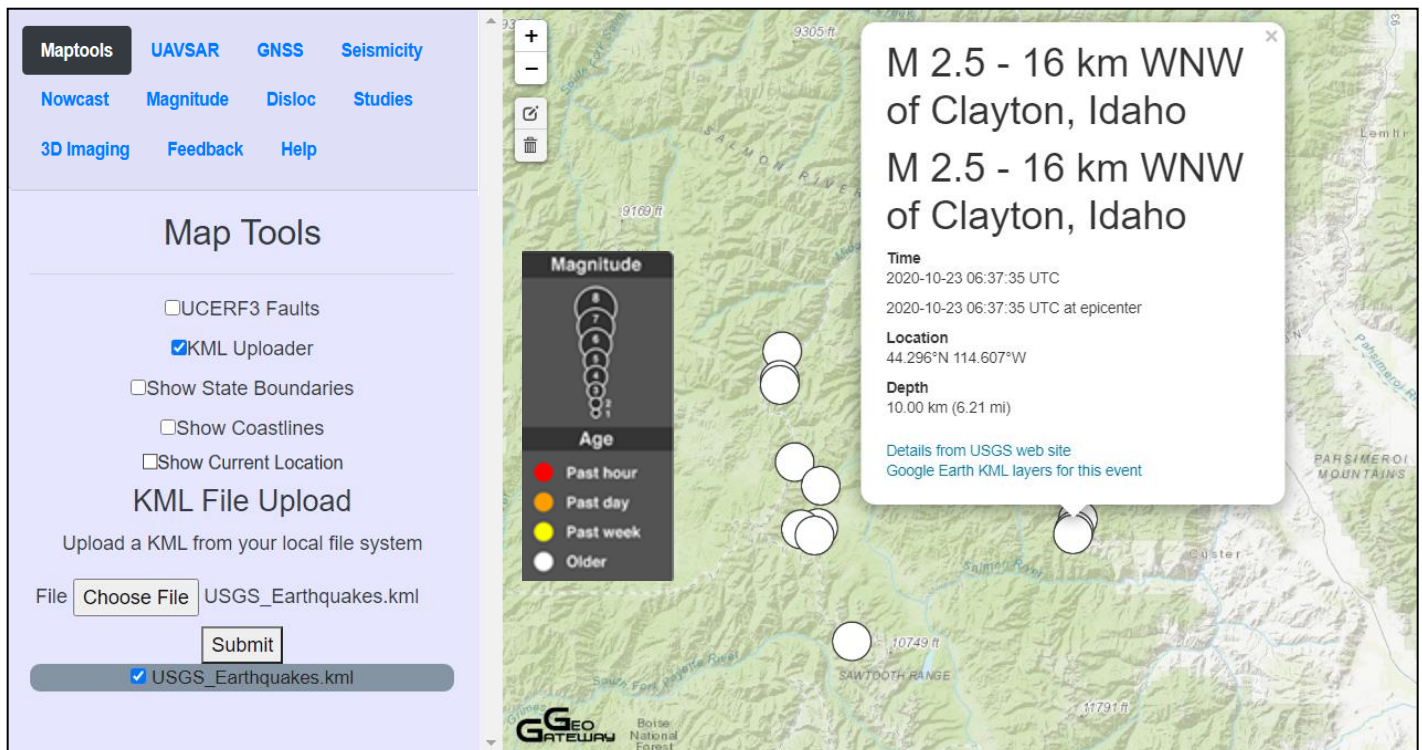


Figure 3: Downloaded KML file from USGS displayed on the map

Show State Boundaries

To display state boundaries within the United States, check the box next to “Show State Boundaries.”

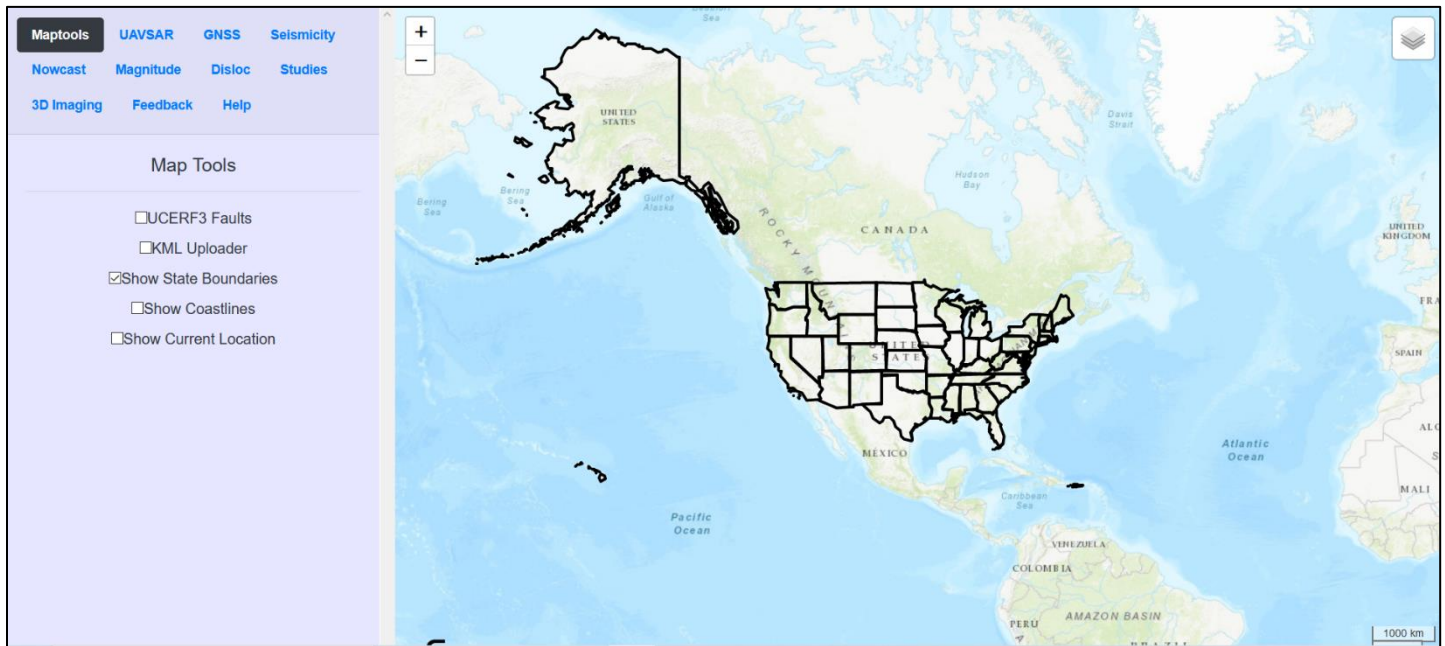


Figure 4: Maptools, United States boundary layer

Show Coastlines

To display coastlines, check the box next to “Show Coastlines.”



Figure 5: Maptools, global coastlines layer

Show Current Location

By clicking on “Show Current Location” users are able to view their current location on the map.

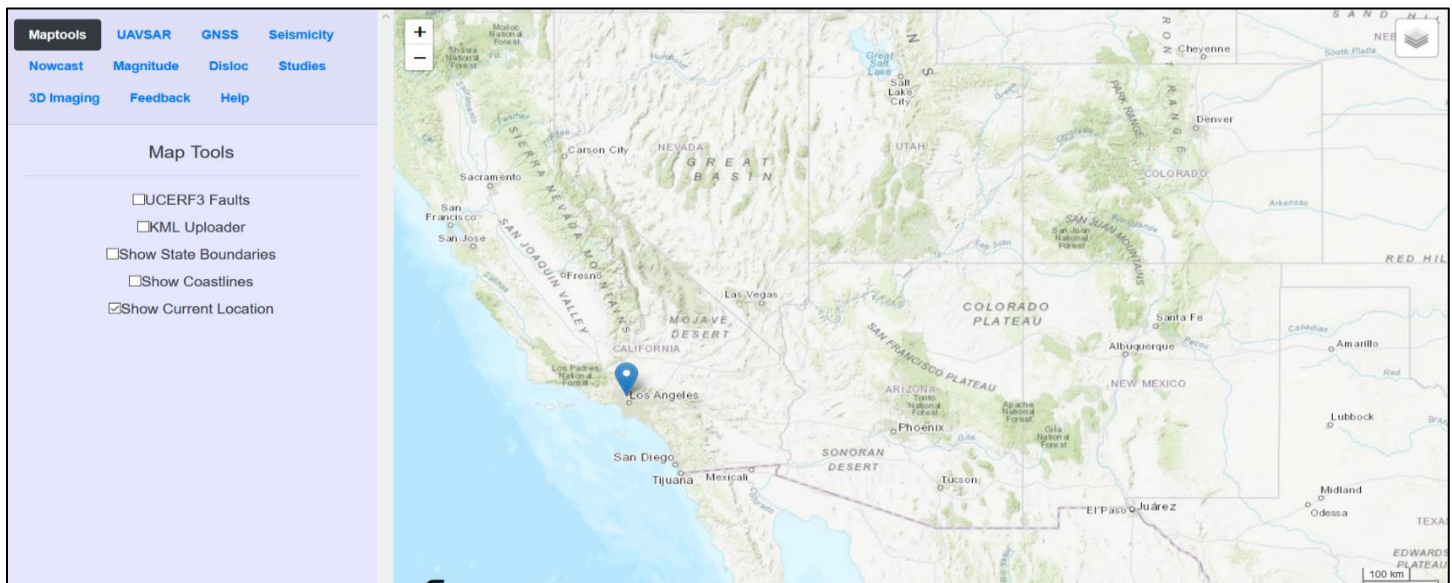


Figure 6: Maptools, show current location option

View map in different modes

By toggling over to right corner, choose either “ArcGIS Topo Map,” “ArcGIS Light Map,” “ArcGIS Dark Map.”

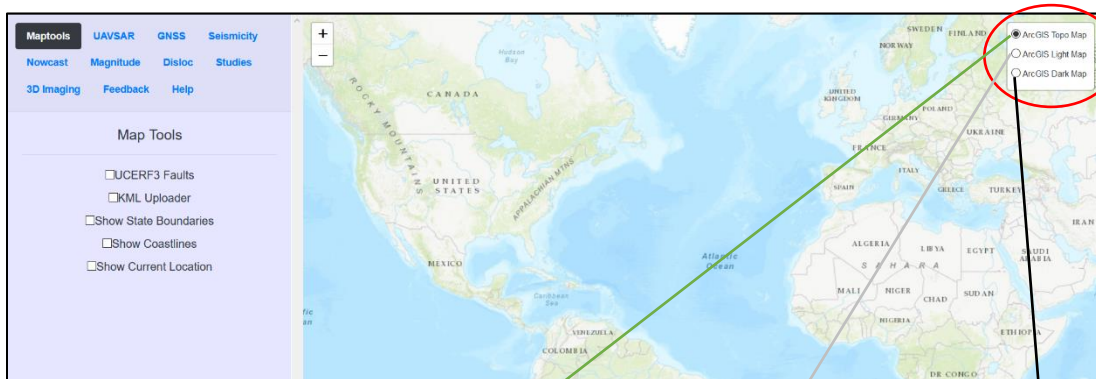


Figure 7: Maptools, different map coloring options

