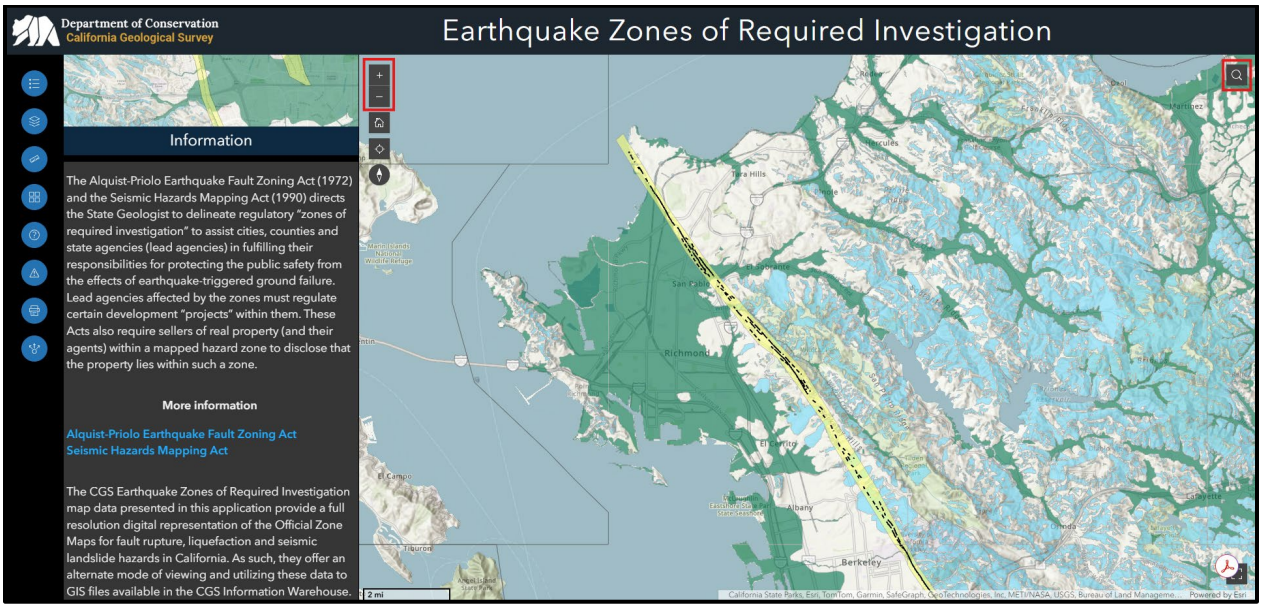
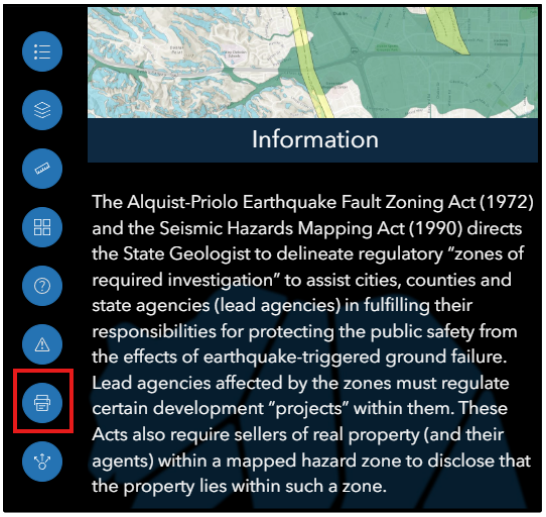
How to Print a Map on the EQ ZApp – Detailed Information

The California Geological Survey's (CGS) Earthquake Zones of Required Investigation (EQ ZApp) has new print widget with custom templates to assist with making maps from the application. This document will walk the user through how to make a map based on the user's area of interest. There are two different templates, the first is for a regional level map, which is helpful to show all the zones in a particular area. The second template is for a parcel level map, which will show zones that intersect a particular parcel(s). If you have any questions, please reach out to CGS SHMP@conservation.ca.gov.

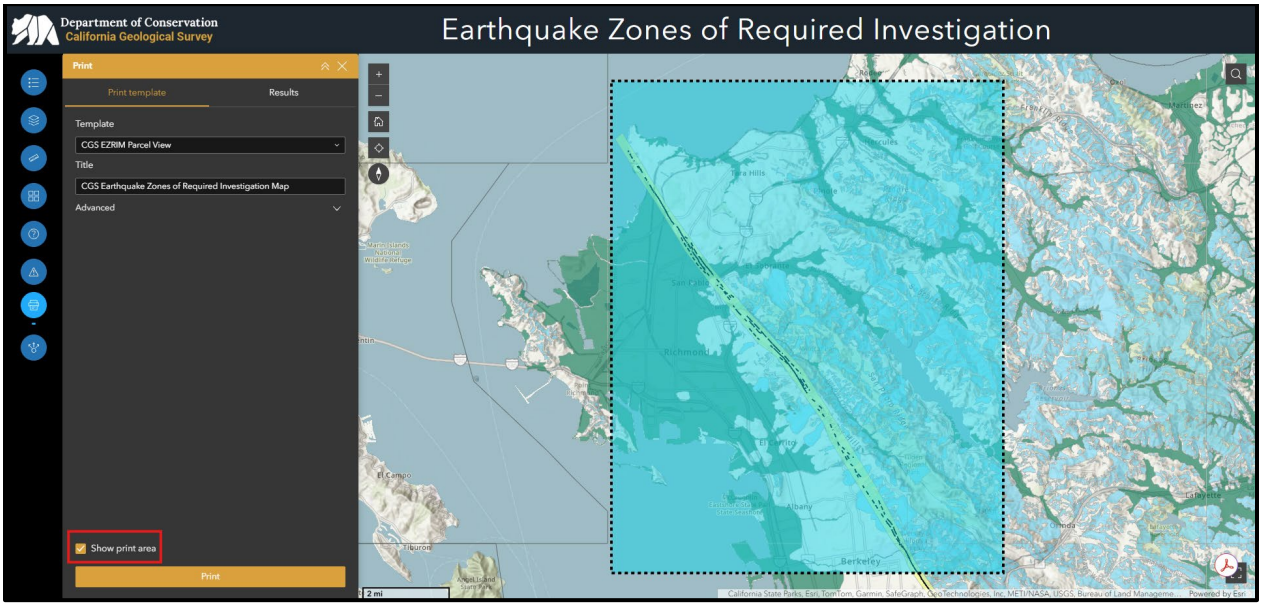
1. **Set the map extent.**
   Zoom in or out and pan the map until the desired area of interest is displayed. Alternatively, you can type in your address by clicking on the magnifying glass on the top right of the screen.



2. **Open the Print tool.**
   Select the **Print** button from the menu on the left side of the screen.

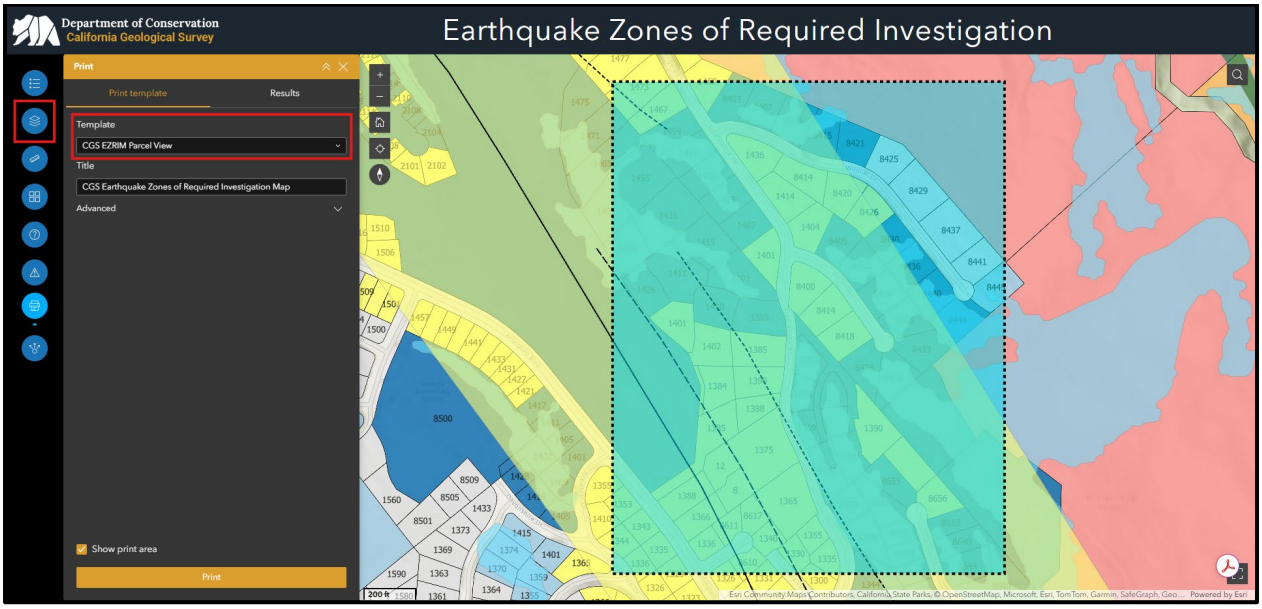


3. Optional: Click the **Show print area** box, located at the bottom of the print column, to display a visual guide of what will be included in the map.

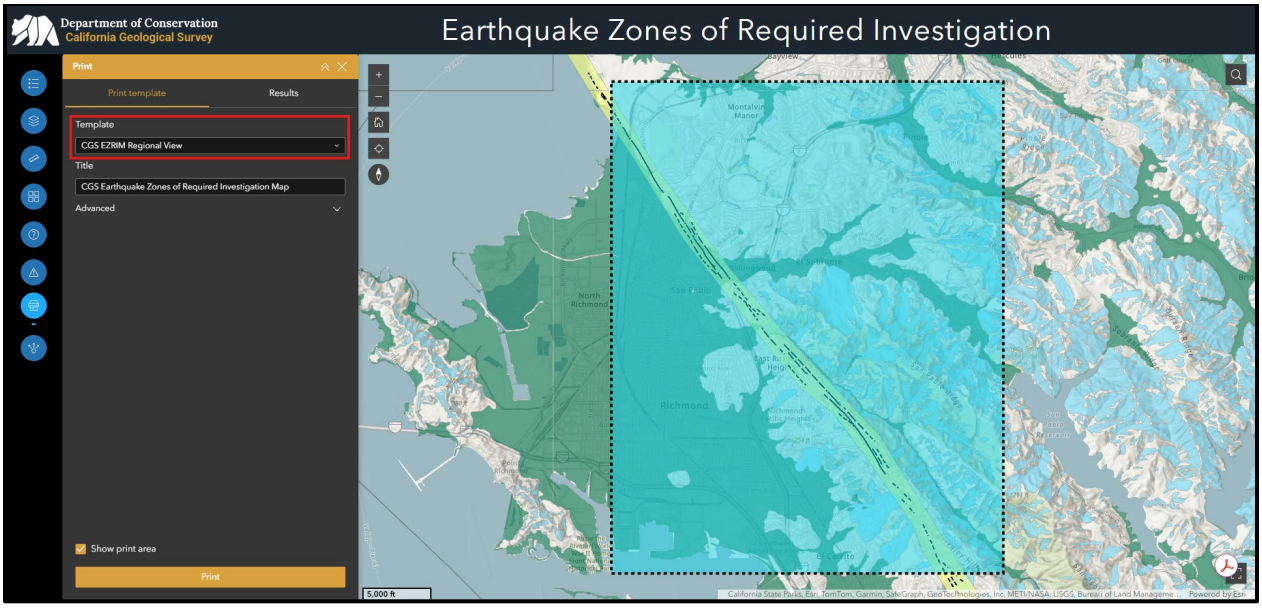


4. **Select a print template.**

    a. If the map is zoomed in and the **Parcel** layer is visible, select the **CGS EZRIM Parcel View** print template. Please note: You can also toggle the zone layers off in the Map Layers tab.



    b. If parcels are not displayed within your area of interest, select the **CGS EZRIM Regional View** print template.



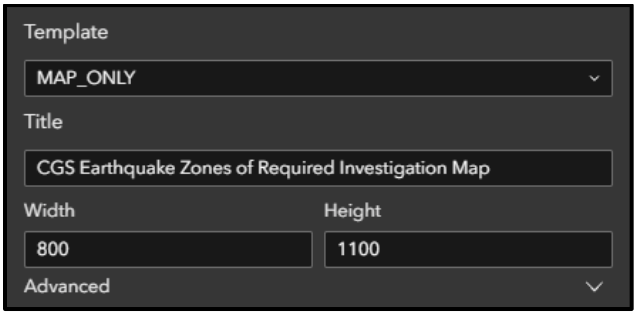
    c. **MAP_ONLY:** This option produces a map without a page layout. Instead of using one of the application's custom print layouts, the output consists of

the map itself. When MAP_ONLY is selected, you can specify the **Width** and **Height** of the map output.

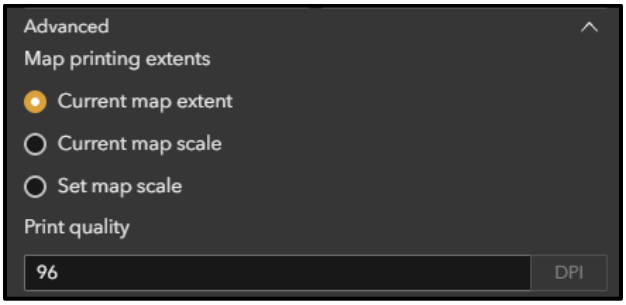
i. **Width:** Specifies the width of the map output, generally in pixels.

ii. **Height:** Specifies the heights of the map output, generally in pixels.

The width and height determine the shape and dimensions of the map image. Changing these values can change how much of the map is visible in the output when using a specified map extent or scale.



5. Optional: The **Advanced Settings** option allows you to control how your map is prepared for printing. The options available may vary depending on whether you are printing the map directly or using a custom print layout.



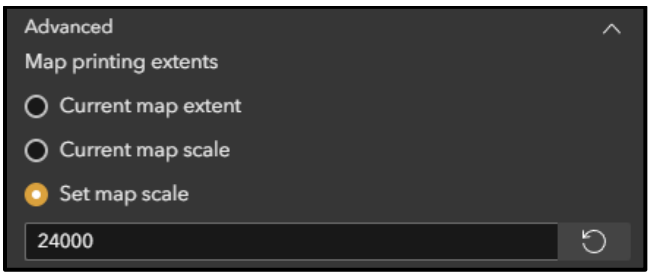
a. **Map Printing Extents:** This determines which portion of the map will be included in the printed output. Depending on the option selected, you may be able to choose from the following extent types:

i. **Current Map Extent:** Prints the geographic area currently visible in the map. Zoom in, zoom out, or pan the map before printing to change the area that will be included.

ii. **Current Map Scale:** The printed map will use the scale currently displayed in the map rather than simply matching the current visible extent. This can be useful when maintaining a specific map scale is more important than printing the exact area currently visible.

iii. **Set Map Scale:** Enter the desired scale, such as 1:24,000 (written as 24000 in the textbox), to produce the map at that scale. The

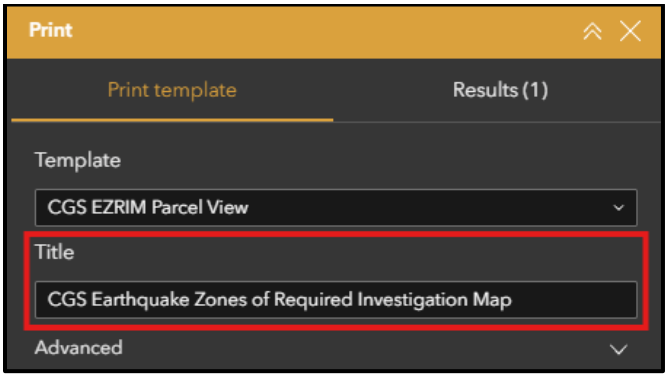
geographic area shown in the printed map will adjust based on the selected scale and the available map area in the print layout.



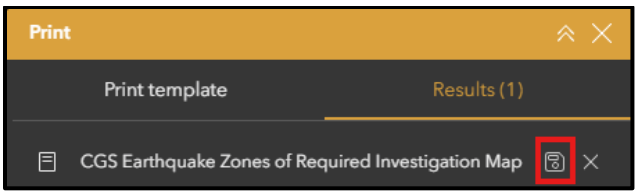
b. **Print Quality:** This controls the resolution of the printed output. Select a higher quality when you are printing the map or need clearer text and map details. Select a lower quality when a smaller file size or faster processing is preferred. Please note that higher print quality may increase the time required to generate the map and may produce a larger output file.



6. **Enter a title.**
   In the **Title** field, CGS has entered a default preferred name, however, the user can enter a different name if desired.



7. **Print the map.**
   Select **Print**. Once the file has been generated, it will appear in the **Results** tab. Please note that it may take some time to generate. If you click on the file name, it will open a PDF of the file. Alternatively, you can click on the save icon to the right of the file name, to save to a folder on your ArcGIS Online account.



Important information:

Print Size: The generated PDF is formatted for **Architectural Standard Landscape Size C (18 × 24 inches)**. If the map is printed at a smaller size, some text and map details may become difficult to read.