

Hawaii Reapportionment Commission - Redistricting Online

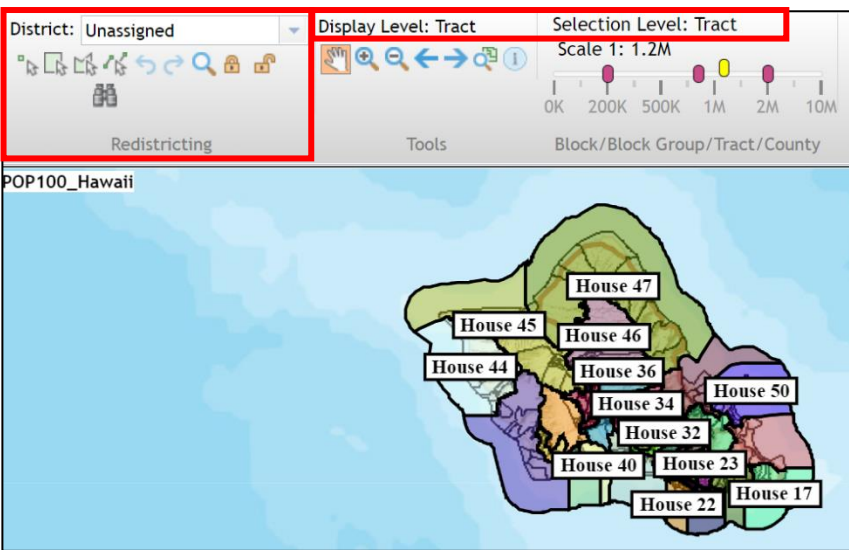
Hawaii Redistricting Online assists the Hawaii Reapportionment Commission, Advisory Councils, advocacy groups, and the public to create state legislative and congressional redistricting plans following the 2020 U.S. Census.

There is a 25 minute video that describes the steps to create an account and create plans using Hawaii Redistricting Online. If you haven't watched it, here's the link:

[Introduction to Hawaii Redistricting Online \(YouTube video\)](#)

This Click List shows how to use the Redistricting Tools to assign census blocks to districts.

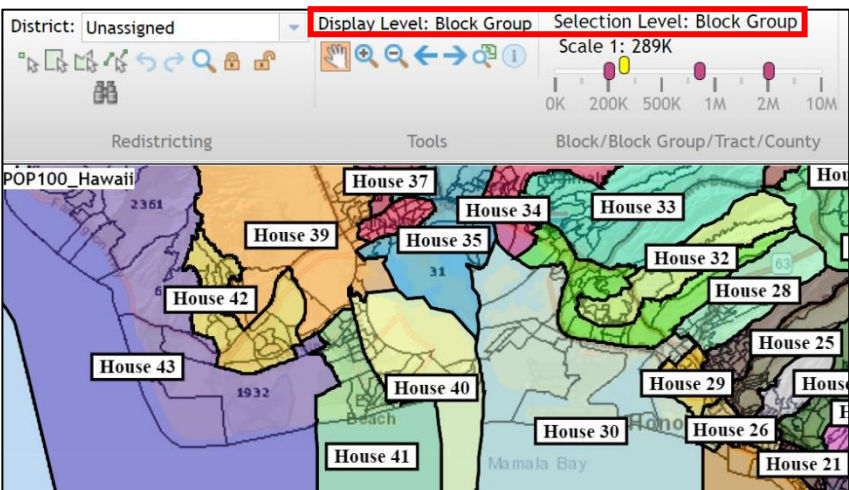
Click List 7 – Create tab: Redistricting Tools



The Create tab has several tools for assigning census blocks to districts (left red box).

While using the redistricting tools, it is important to monitor the Display Level and Selection Level (right red box).

As you zoom in and out these levels will change. Right now the map is zoomed out and both show "Tract".



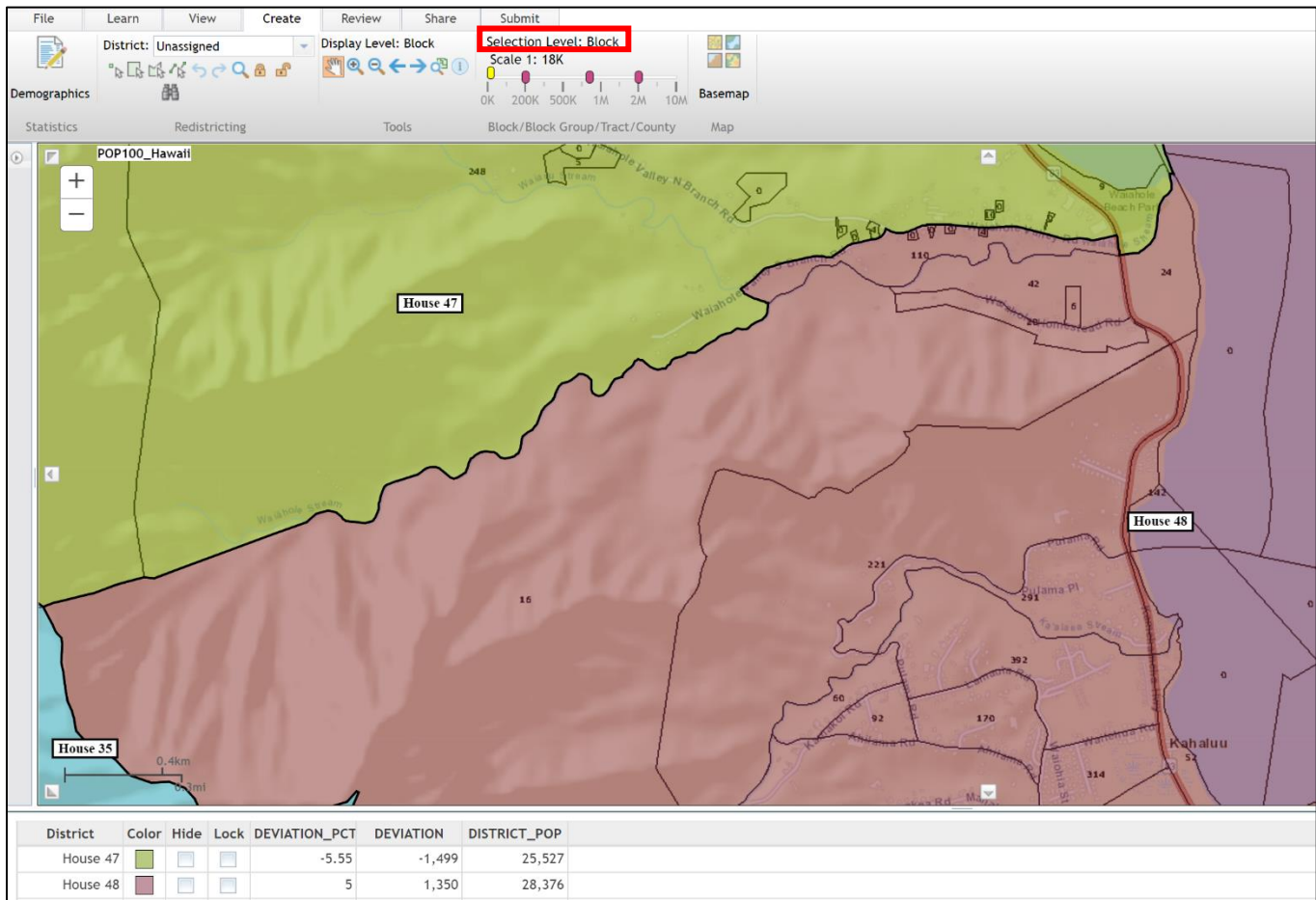
As you zoom in they will change to "Block Group".

These are the different levels that the U.S. Census reports population:

- Tract
- Block Group (many within each Tract)
- Block (many within each Block Group)

As you zoom in you see more detailed information.

We want to do redistricting at the Block level so here I've zoomed in far enough:

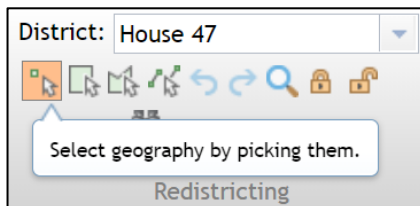


Usually both levels will show the same level, in this case “Block”. The critical one for redistricting is that “Selection Level” is Block. This means that the Redistricting tools will be selecting Blocks. Let’s try one.

In the District Window you can see that House 47 is 5.55% below (-1,499 persons) the ideal district population and that House 48 is 5.00% above (1,350 persons). You can bring both districts closer to the ideal by assigning some census blocks currently in House 48 (which has extra population) to House 47 (which needs population).

Pan and zoom the map window to see the boundary between these two districts and make sure the “Selection Level” is Block.

“Pick” Tool



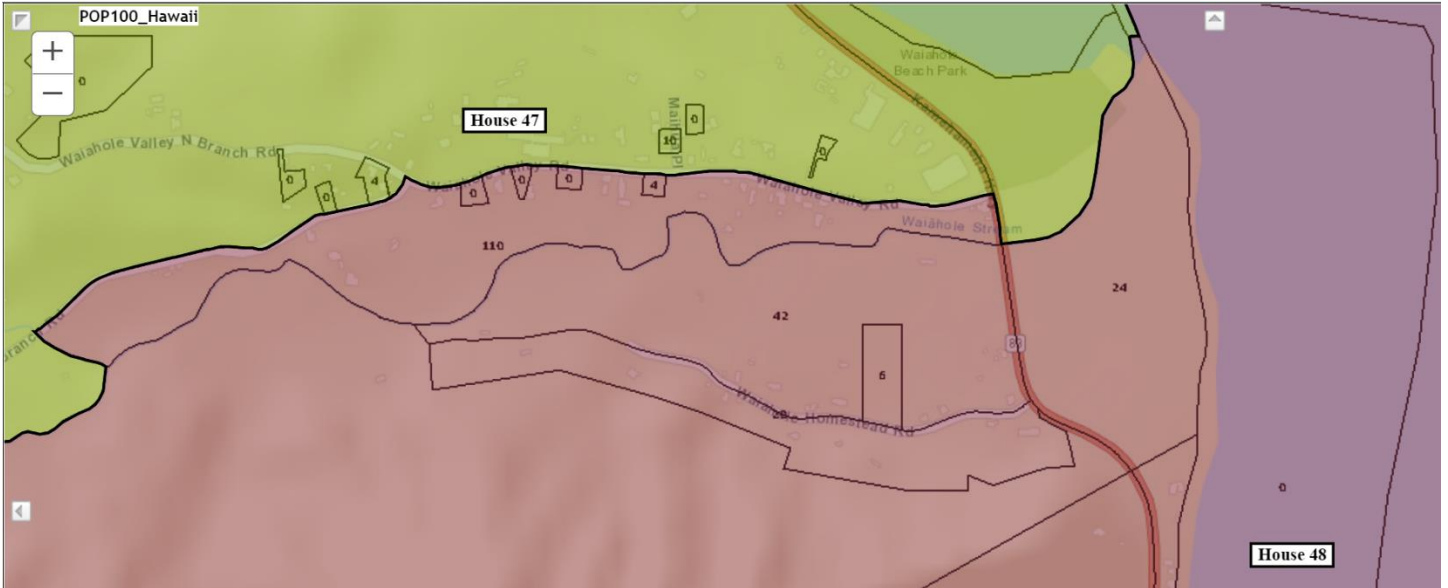
Since House 47 needs more population, you want to select one or more blocks that are now in House 48 and assign them to House 47. In the “District:” box select House 47, blocks you select will be assigned to House 47.

The first selection tool selects a single census block by clicking on a block.

Click on the “Pick” tool and you’ll see the orange box around it indicating it is the active tool.

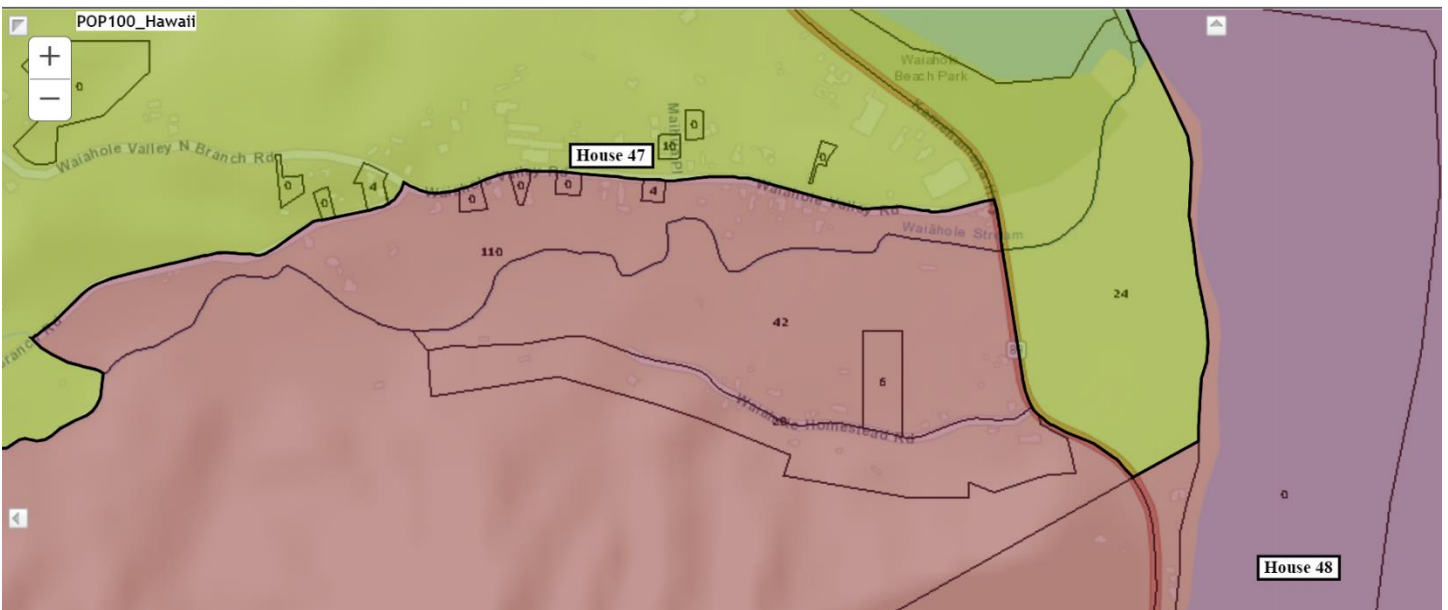
Now, each time you click on a census block, it will be assigned to House 47. Let's do the census block on the coast with 24 people. Right now those 24 people are in House 48, we want to assign them to House 47.

Before:



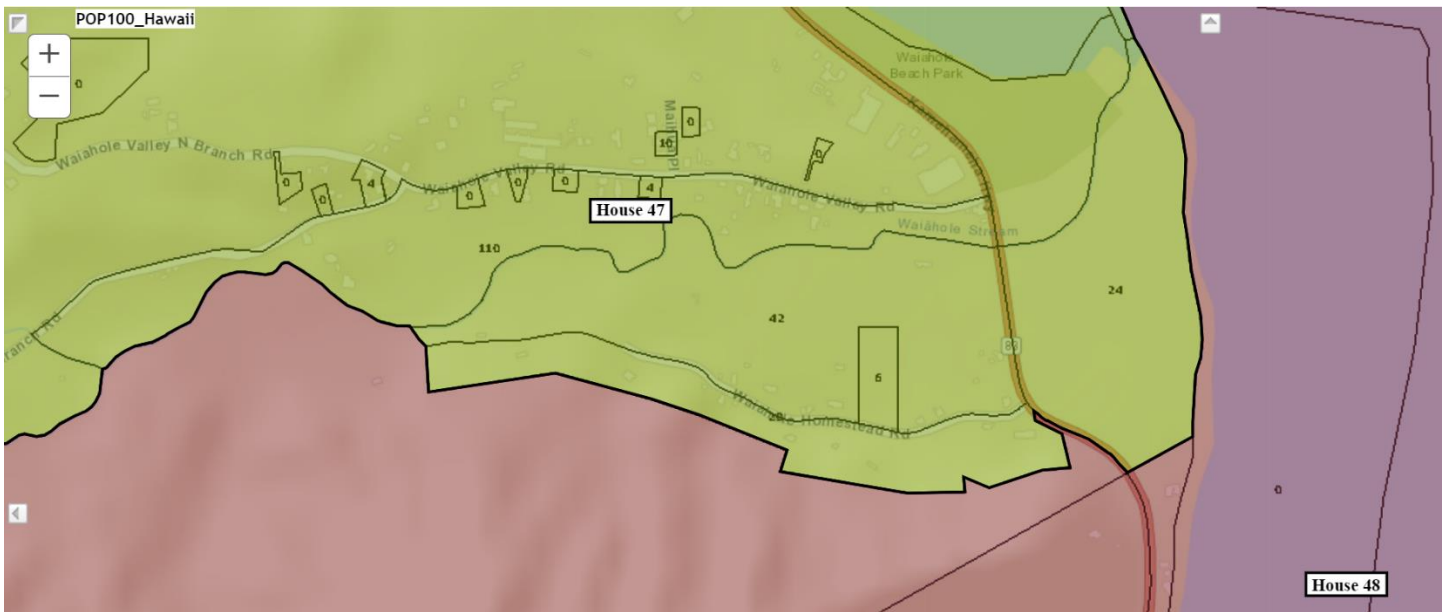
With the Pick tool active, click inside the census block showing 24 people.

After:



The color changed indicating you have just assigned that census block to House 47.

After:



The color of all those census blocks changed indicating you have just assigned all of them to House 47.

And of course, check the District Window.

Before:

| District | Color | Hide | Lock | TARGET | DEVIATION_PCT | DEVIATION | DISTRICT_POP |
|----------|--------|--------------------------|--------------------------|--------|---------------|-----------|--------------|
| House 47 | Green | <input type="checkbox"/> | <input type="checkbox"/> | 27,026 | -5.46 | -1,475 | 25,551 |
| House 48 | Purple | <input type="checkbox"/> | <input type="checkbox"/> | 27,026 | 4.91 | 1,326 | 28,352 |

After:

| District | Color | Hide | Lock | TARGET | DEVIATION_PCT | DEVIATION | DISTRICT_POP |
|----------|--------|--------------------------|--------------------------|--------|---------------|-----------|--------------|
| House 47 | Green | <input type="checkbox"/> | <input type="checkbox"/> | 27,026 | -4.78 | -1,293 | 25,733 |
| House 48 | Purple | <input type="checkbox"/> | <input type="checkbox"/> | 27,026 | 4.23 | 1,144 | 28,170 |

Now both deviation percentages are below +/- 5%.

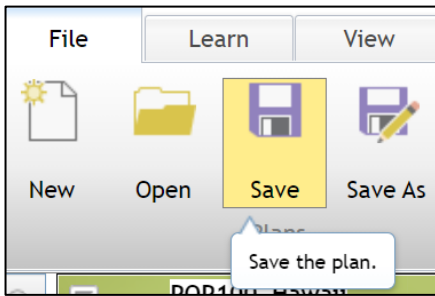
“Undo” Button



Sometimes you make a change and decide that you don't like it. Maybe you went too far and the deviations got worse. Or maybe you split a community or created non-contiguous areas.

Click on the “Undo” button and you'll undo your last change. Each time you click the “Undo” button you undo the next older change.

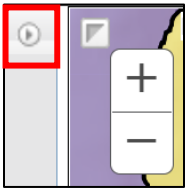
Save Your Changes



As you're making changes, if you want to keep the changes you've made, click "Save" on the File tab and then you can continue working.

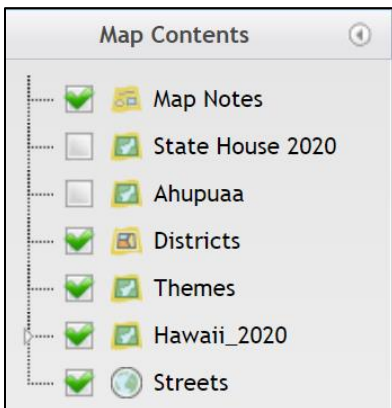
Once you Save you cannot Undo those changes, so if you're not sure, click the "Save As" button and give your plan a new name.

Map Contents



The Map Contents window is on the left side of the Map Window.

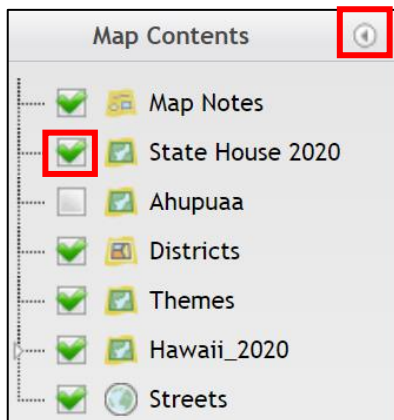
Click the small triangle inside a circle to open the Map Contents window.



These are the different layers shown on the map.

A green check mark in the left box means that layer is turned on (visible).

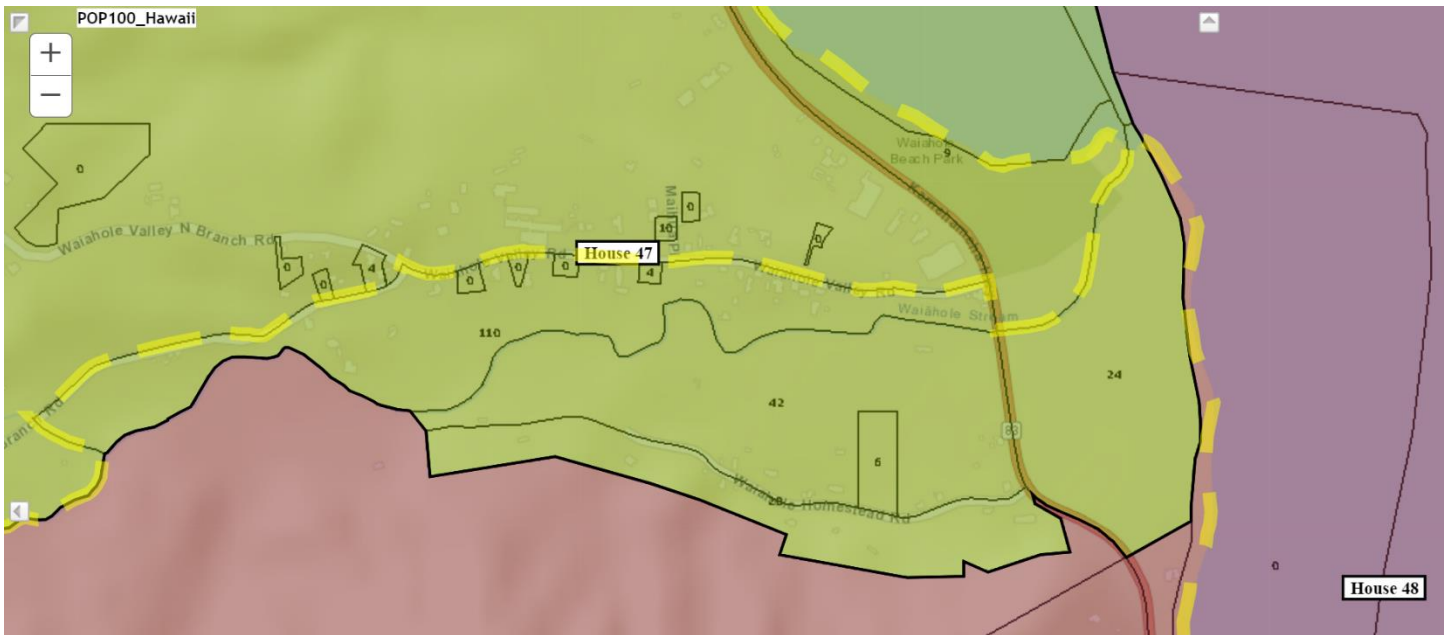
If the left box is empty, that layer is turned off (not visible).



Click the left box next to "State House 2020" to turn on the current (2012-2020) State House boundaries.

Click the small triangle inside a circle to close the Map Contents window.

The “State House 2020” layer is turned on and you’ll see a heavy dashed line that follows the 2020 boundary.



You can also use the + and – buttons on the upper left of the map to zoom in and zoom out.

And if you have a mouse wheel, you can use it to zoom in and out. The map will continue to show the area where the cursor is as you zoom in and out.

I do sometimes want to go back to an area I was at before. The Previous Extent button will do this.