All Use Cases are designed to demonstrate District Scenario Modeler (DSM) functionality. They are for illustrative and educational purposes only, and do not reflect the views of the Commission or any Commissioner about the configuration of any supervisorial district or the appropriate location of any community.

All Use Cases use the Existing District Boundaries map found on the DSM landing page. Click on the blue View bar on Existing District Boundaries to get started. A couple of useful notes. Along the bottom of the DSM window on the right side are several useful icons. Hover over each to see its function. Going from left to right, first is the undo function which will backout your most recent change. The redo function is not used. Next is the reset function will remove all changes and give you clean map. Good for when things go wrong. The share function is where you get the link to your DSM map for pasting into the Save or Submit dialog boxes. And finally is the download function that allows you to save an image of your work as pdf or image, very useful for reference.

Use Case 1: Reassigning a municipality to new district

This Use Case will show how to remove the municipality of Poway from its current District 2 assignment and add it to District 3.

Start DSM
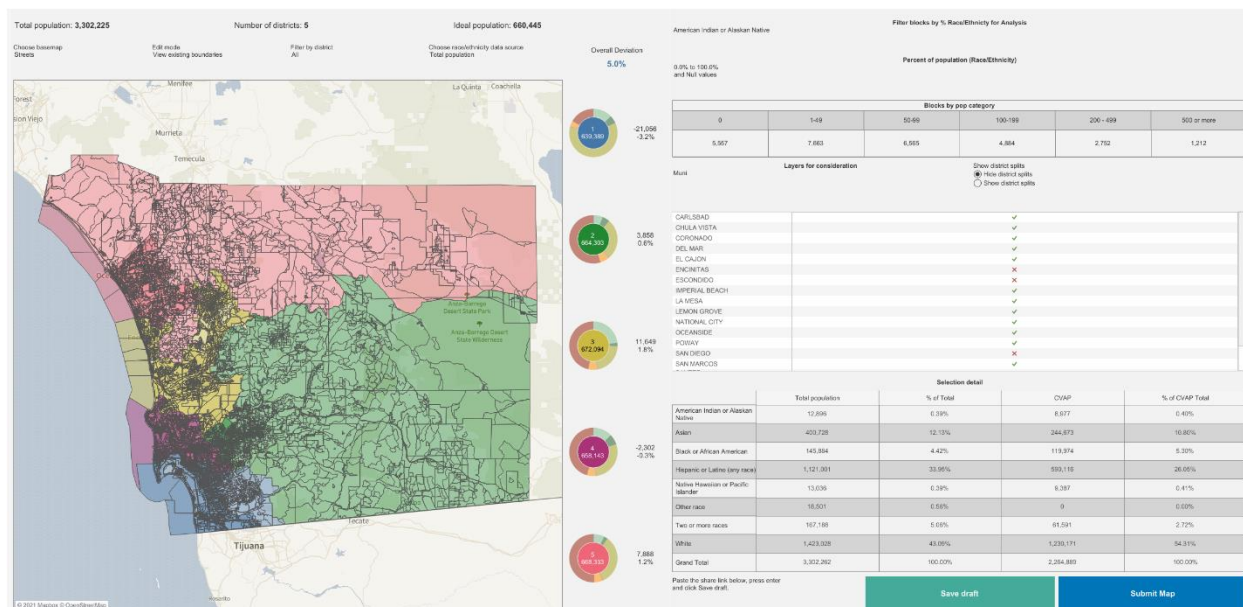
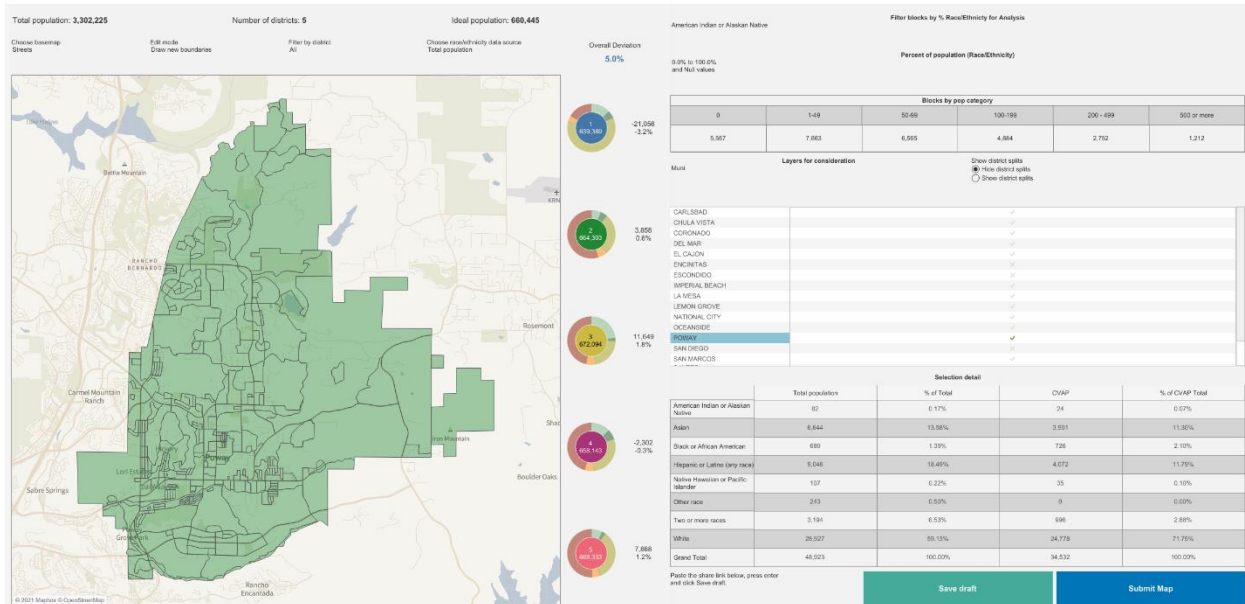Choose basemap: Streets

Edit mode: Draw new boundaries

Filter by district: (All)

Choose race/ethnicity data source: Total population

Layers for consideration: Muni

Note that the Selection detail table is showing population counts for current map selection which is County of San Diego
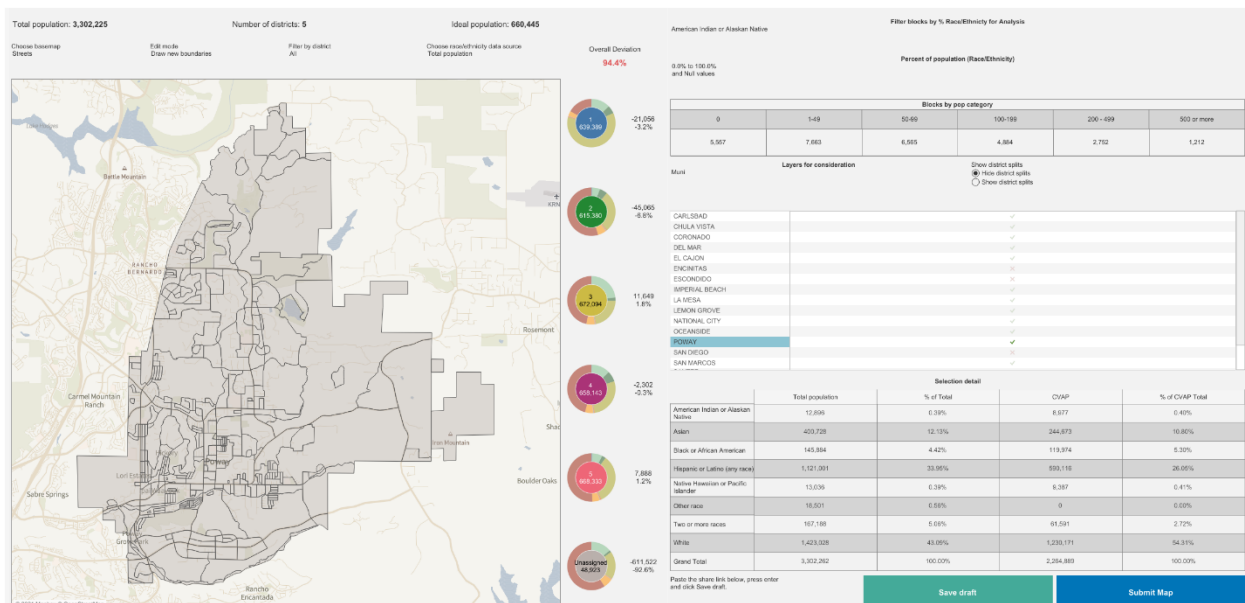
In the Layers for consideration table select Poway.

Total population: 3,302,225   Number of districts: 5   Ideal population: 660,445

Choose basemap: Streets
Edit mode: Draw new boundaries
Filter by district: All
Choose race/ethnicity data source: Total population
Overall Deviation: 5.0%

American Indian or Alaskan Native
Filter blocks by % Race/Ethnicity for Analysis
0.0% to 100.0% and Null values
Percent of population (Race/Ethnicity)

Blocks by pop category					
0	1-49	50-99	100-199	200-499	500 or more
5,587	7,683	6,585	4,684	2,702	1,212

Muni — Layers for consideration
Show district splits
○ Hide district splits
○ Show district splits

CARLSBAD
CHULA VISTA
CORONADO
DEL MAR
EL CAJON
ENCINITAS
ESCONDIDO
IMPERIAL BEACH
LA MESA
LEMON GROVE
NATIONAL CITY
OCEANSIDE
POWAY
SAN DIEGO
SAN MARCOS

Districts:
1 — 639,389 — -21,056 — -3.2%
2 — 664,393 — 3,868 — 0.6%
3 — 672,094 — 11,649 — 1.8%
4 — 658,143 — -2,302 — -0.3%
5 — 668,333 — 7,888 — 1.2%

Selection detail	Total population	% of Total	CVAP	% of CVAP Total
American Indian or Alaskan Native	82	0.17%	24	0.07%
Asian	6,644	13.56%	3,591	11.30%
Black or African American	680	1.39%	726	2.10%
Hispanic or Latino (any race)	5,046	10.45%	4,072	11.79%
Native Hawaiian or Pacific Islander	107	0.22%	35	0.10%
Other race	243	0.50%	0	0.00%
Two or more races	3,194	6.53%	996	2.88%
White	28,927	59.13%	24,778	71.75%
Grand Total	48,923	100.00%	34,532	100.00%

Paste the share link below, press enter and click Save draft.
[Save draft]   [Submit Map]

Note that Selection detail table is now only population totals for Poway. Next need to select Poway on map and remove all its blocks from District 2.

Hover on map, from the tool bar in top left select Rectangle selection tool (the dashed box to right of the arrow). Draw a rectangle that captures all of Poway. It may take a few tries to get this right. Use the reset or undo function to clear a bad select and start over.

In the dialog box that opens, select Remove blocks from District 2. (Can get this dialog box to open by hovering over the selected area on map) All Poway blocks will change in color from green to gray.

Total population: 3,302,225   Number of districts: 5   Ideal population: 660,445

Choose basemap: Streets
Edit mode: Draw new boundaries
Filter by district: All
Choose race/ethnicity data source: Total population
Overall Deviation: 94.4%

American Indian or Alaskan Native
Filter blocks by % Race/Ethnicity for Analysis
0.0% to 100.0% and Null values
Percent of population (Race/Ethnicity)

Blocks by pop category					
0	1-49	50-99	100-199	200-499	500 or more
5,587	7,683	6,585	4,684	2,702	1,212

Muni — Layers for consideration
Show district splits
○ Hide district splits
○ Show district splits

CARLSBAD
CHULA VISTA
CORONADO
DEL MAR
EL CAJON
ENCINITAS
ESCONDIDO
IMPERIAL BEACH
LA MESA
LEMON GROVE
NATIONAL CITY
OCEANSIDE
POWAY
SAN DIEGO
SAN MARCOS

Districts:
1 — 639,389 — -21,056 — -3.2%
2 — 615,380 — -45,065 — -6.8%
3 — 672,094 — 11,649 — 1.8%
4 — 658,143 — -2,302 — -0.3%
5 — 668,333 — 7,888 — 1.2%
Unassigned — 48,923 — -611,522 — -92.6%

Selection detail	Total population	% of Total	CVAP	% of CVAP Total
American Indian or Alaskan Native	12,896	0.39%	8,977	0.40%
Asian	403,729	12.13%	244,673	10.86%
Black or African American	146,884	4.42%	119,374	5.30%
Hispanic or Latino (any race)	1,121,001	33.95%	599,119	26.05%
Native Hawaiian or Pacific Islander	13,036	0.39%	9,387	0.41%
Other race	18,801	0.58%	0	0.00%
Two or more races	167,188	5.06%	61,591	2.72%
White	1,423,928	43.05%	1,230,171	54.31%
Grand Total	3,302,262	100.00%	2,284,889	100.00%

Paste the share link below, press enter and click Save draft.
[Save draft]   [Submit Map]

Now see the additional circle labeled Unassigned. This shows that all Poway blocks have now been removed from District 2 and moved to the Unassigned category. Also note that District 2 counts have dropped, it now has -6.8% deviation.

To add Poway to District 3, once again use the rectangle selection tool to select all of Poway. In dialogue box select Add blocks to District 3
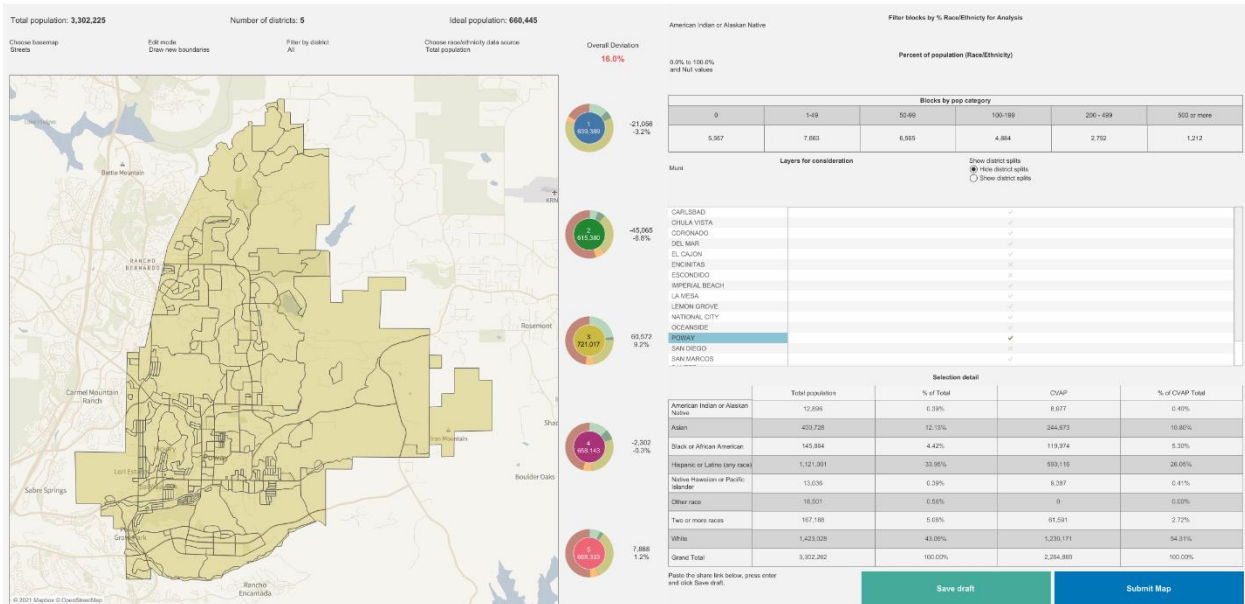
Poway has now been added to District 3.

To get complete map back, click on Poway in Layers for consideration table to unselect it. The county map will now show Poway as part of District 3.
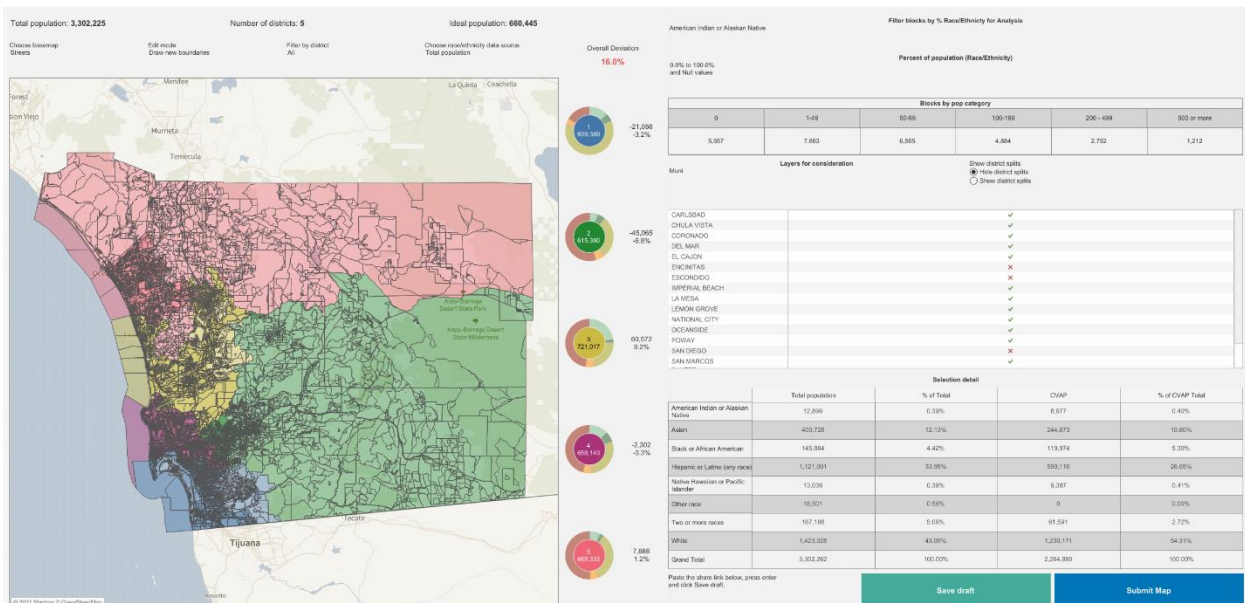
Use Case 2: Reassigning an area that is not a defined municipality.

This Use Case will reassign Point Loma from District 1 to District 4. Point Loma is not a municipality and so does not appear in the Muni list in the Layers for consideration table like Poway.

It requires little different approach than Use Case 1. On map zoom in on Point Loma (Can use toolbox zoom and pan functions found on top left corner of map)

For the edit mode, check that it is set to "Draw new boundaries"
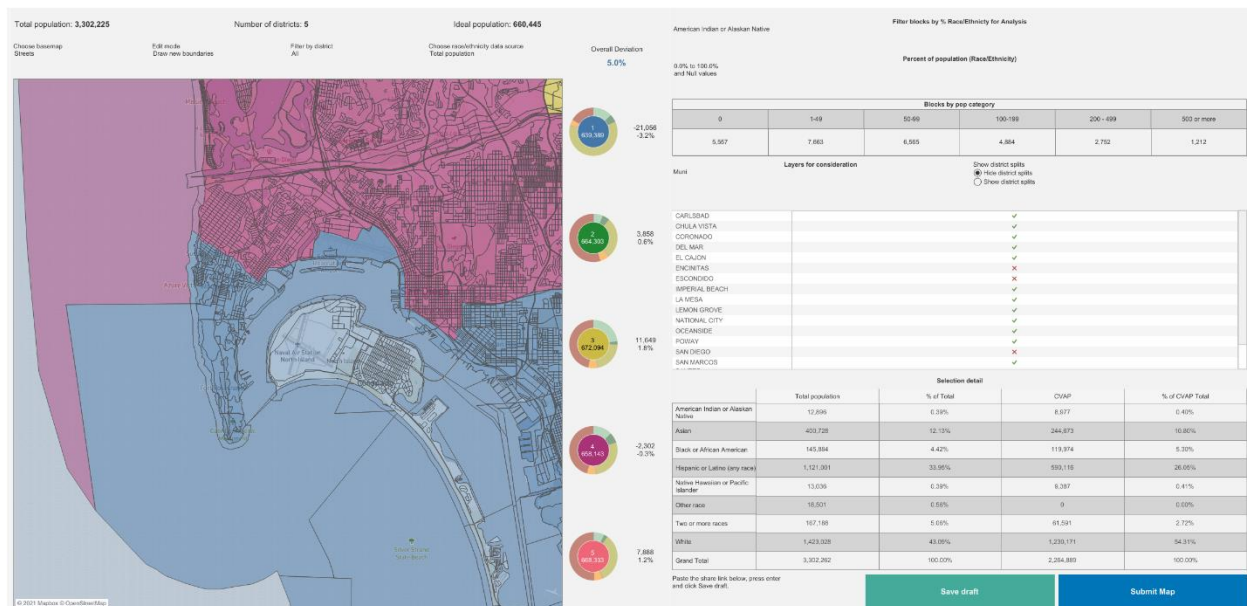
Use the rectangle selector tool to select only Point Loma and in dialog box select Remove blocks from District 1. In drawing the rectangle, it is ok to overlap adject areas already in District 4. Don't let the rectangle overlap with blocks in District 1 that you don't want to reassign. For example, the blocks for North Island Air Station or Coronado.
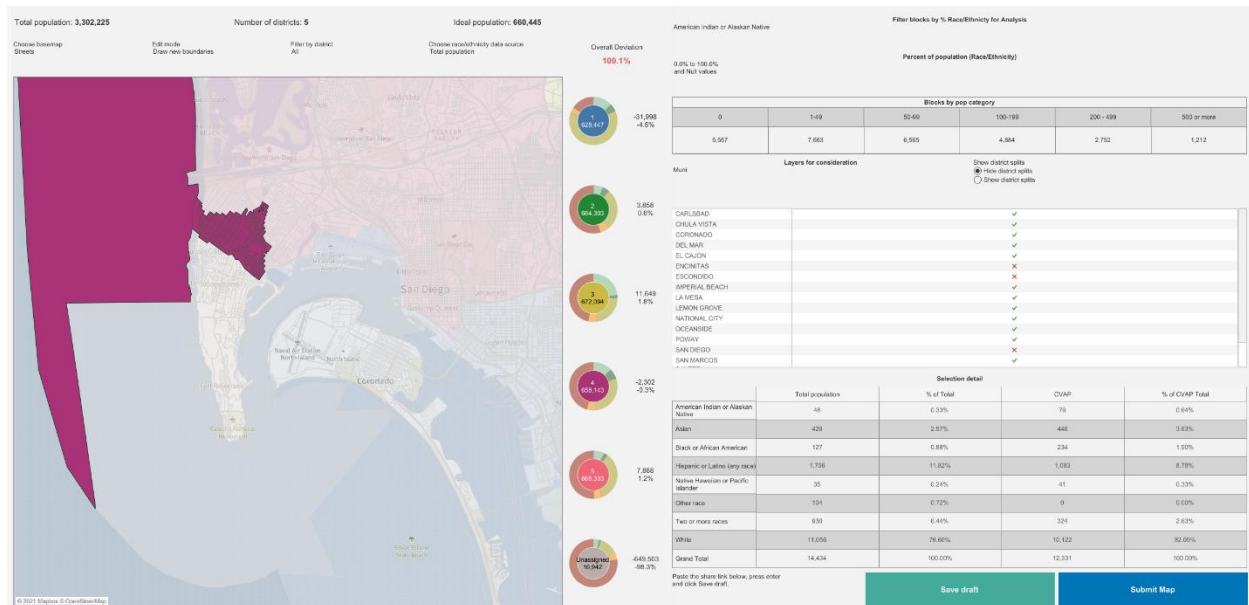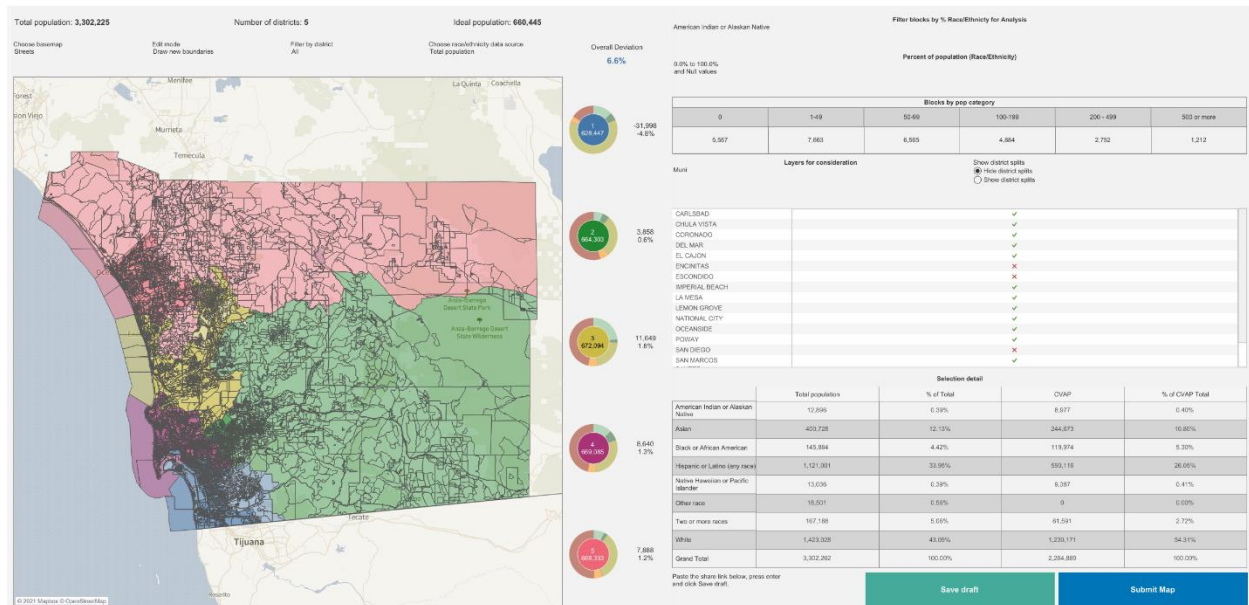
Blocks shaded purple and gray represent all blocks that overlapped with the rectangle. Those shaded gray are the ones that were in District 1 and so removed to become Unassigned. Those shaded purple were all in District 4.

Now use the rectangle selector tool to select the grey shaded blocks for Point Loma and in dialog box select Add blocks to District 4.
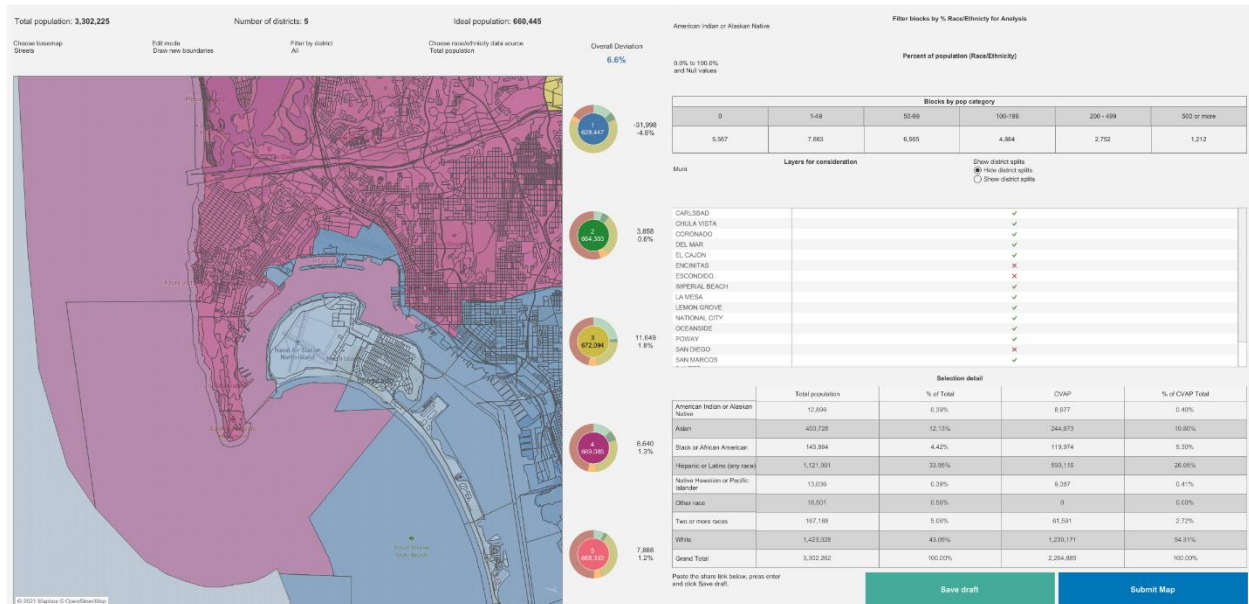
Point Loma is now part of District 4. Click outside shaded areas to refresh screen or select Home to refresh the overall County level map.

And now you are a pro!!!