



Redistricting Map Instructions

City of Corona



Best Best & Krieger



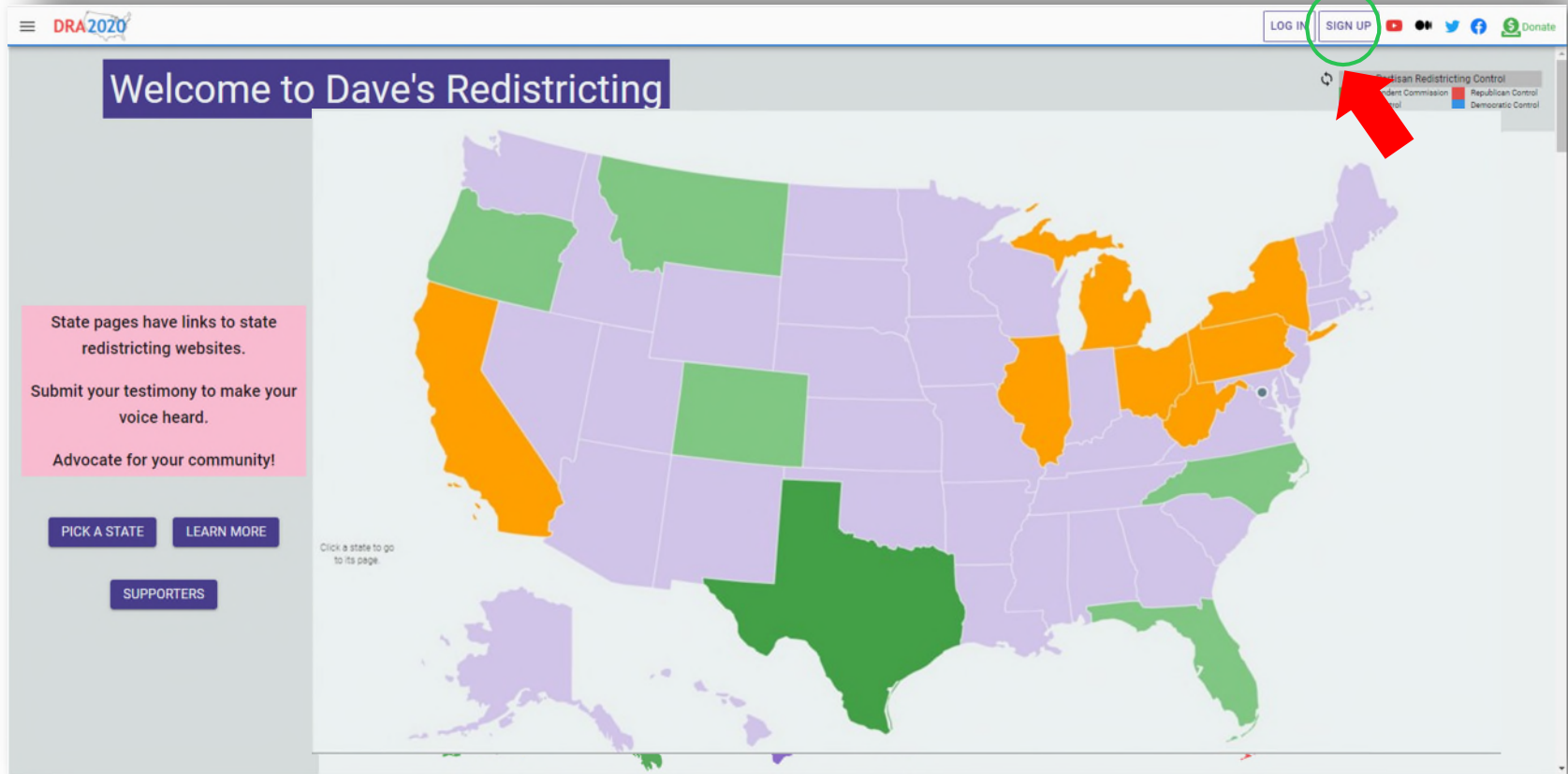
Company/BestBestKrieger



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Getting Started

To get started, visit: <https://davesredistricting.org/>

- Click on Sign-Up Button in the upper right hand corner



The screenshot shows the homepage of the DRA2020 website. At the top left is the 'DRA2020' logo. In the top right corner, there are 'LOG IN' and 'SIGN UP' buttons, with the 'SIGN UP' button circled in green and a red arrow pointing to it. Below the navigation bar is a header with the text 'Welcome to Dave's Redistricting'. The main content area features a large map of the United States with states colored in green, blue, red, and purple. To the left of the map is a sidebar with a pink background containing the text: 'State pages have links to state redistricting websites.', 'Submit your testimony to make your voice heard.', and 'Advocate for your community!'. Below this text are three buttons: 'PICK A STATE', 'LEARN MORE', and 'SUPPORTERS'. A small text prompt says 'Click a state to go to its page'. In the top right corner of the map area, there is a legend for 'Partisan Redistricting Control' with categories: 'Independent Commission', 'Republican Control', and 'Democratic Control'.

Sign up for a Free Account

This will allow you to create and save your own redistricting map.



Draft Maps

To access published maps, or to start drawing your own map, click on the three lines located in the top left corner of the page and select "Maps" from the options pane.

Name ↑	Modified	Plan		State
AK 2018 Lower State House	May 2	2010	100	AK
AK 2018 Upper State House	Feb 27, 2020	2010	81	AK
AK 2020 State House	Nov 9	2020/Lower	100	AK
AK 2020 State Senate	Nov 9	2020/Upper	92	AK
AL 116th Congressional	May 2	2010	21	AL
AL 2018 Lower State House	May 3	2010	100	AL
AL 2018 Upper State House	Nov 5, 2019	2010	93	AL
AL 2020 Congressional	Nov 9	2020/Congress	8	AL
AL 2020 State House	Nov 9	2020/Lower	86	AL
AL 2020 State Senate	Nov 9	2020/Upper	73	AL
AR 116th Congressional	Apr 29	2010	53	AR
AR 2018 Lower State House	Nov 5, 2019	2010	80	AR
AR 2018 Upper State House	Nov 5, 2019	2010	67	AR
AR 2020 Congressional	Nov 9	2020/Congress	57	AR
AR 2020 State House	Nov 9	2020/Lower	92	AR

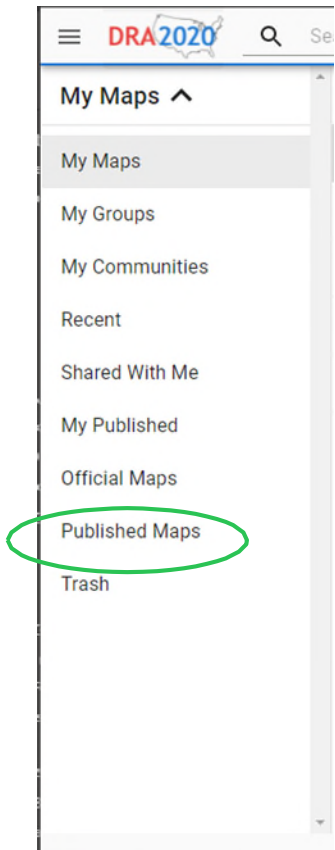
Published Maps

Select “My Maps” on the top left-hand side of the screen:



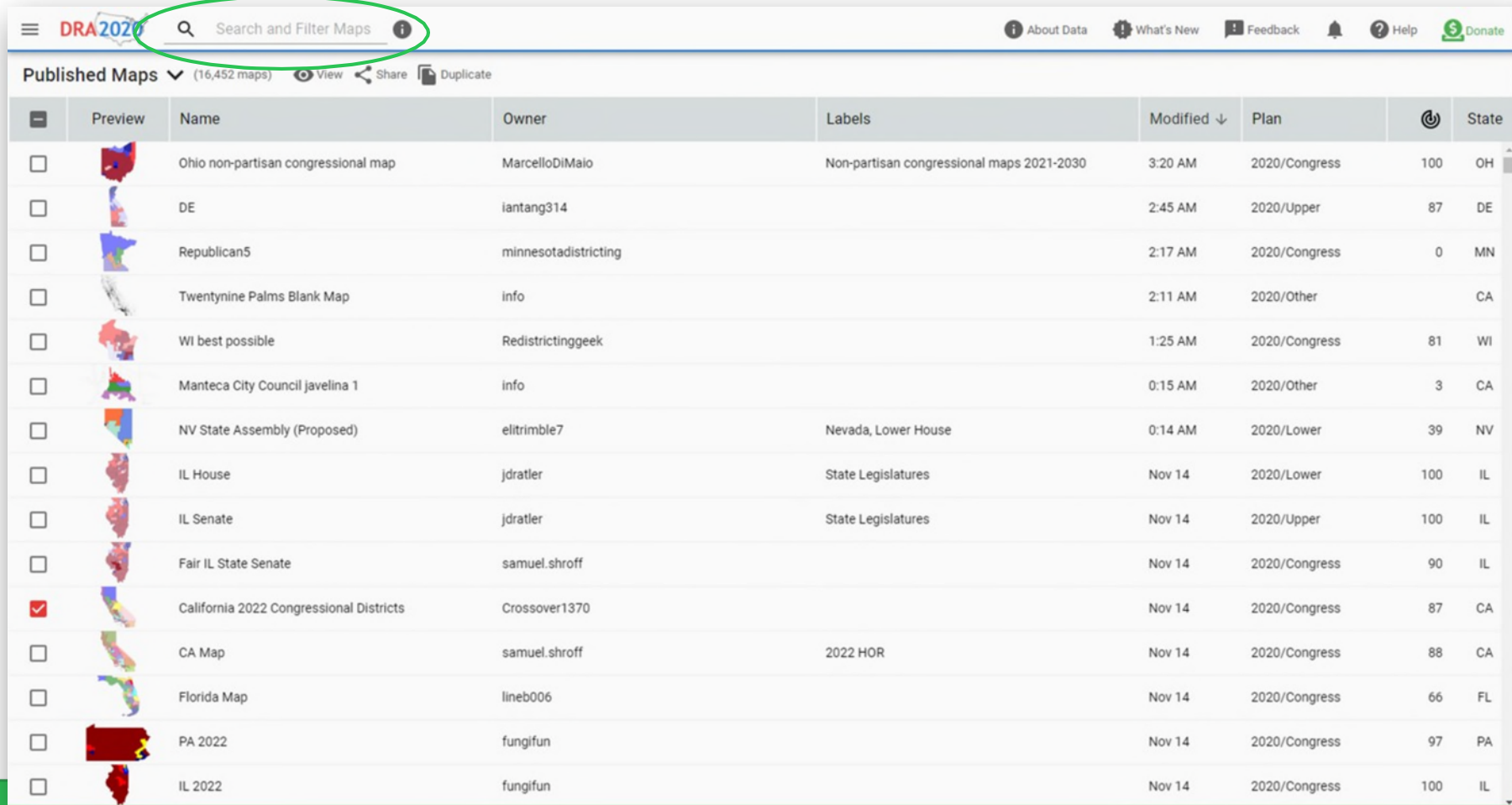
My Maps ▾

Next, select “Published Maps” from the options pane:



Map Search

Using the search box, enter your jurisdiction's name + template (Corona - Template) to find the base map created for you. You can also enter just your jurisdiction's name to find any related published maps. These maps can be used as a good starting point.



The screenshot shows the DRA2020 website interface. At the top left, there is a menu icon and the text "DRA2020". To the right is a search bar with the placeholder text "Search and Filter Maps" and an information icon. Below the search bar, there are navigation options: "Published Maps" (with a dropdown arrow and "(16,452 maps)"), "View", "Share", and "Duplicate".

The main content is a table of published maps. The table has the following columns: "Preview", "Name", "Owner", "Labels", "Modified", "Plan", "Share", and "State". The "California 2022 Congressional Districts" row is selected, indicated by a red checkmark in the "Preview" column.

Preview	Name	Owner	Labels	Modified	Plan	Share	State
<input type="checkbox"/>	Ohio non-partisan congressional map	MarcelloDiMaio	Non-partisan congressional maps 2021-2030	3:20 AM	2020/Congress	100	OH
<input type="checkbox"/>	DE	iantang314		2:45 AM	2020/Upper	87	DE
<input type="checkbox"/>	Republican5	minnesotadistricting		2:17 AM	2020/Congress	0	MN
<input type="checkbox"/>	Twentynine Palms Blank Map	info		2:11 AM	2020/Other		CA
<input type="checkbox"/>	WI best possible	Redistrictinggeek		1:25 AM	2020/Congress	81	WI
<input type="checkbox"/>	Manteca City Council javelina 1	info		0:15 AM	2020/Other	3	CA
<input type="checkbox"/>	NV State Assembly (Proposed)	elitrimble7	Nevada, Lower House	0:14 AM	2020/Lower	39	NV
<input type="checkbox"/>	IL House	jdratler	State Legislatures	Nov 14	2020/Lower	100	IL
<input type="checkbox"/>	IL Senate	jdratler	State Legislatures	Nov 14	2020/Upper	100	IL
<input type="checkbox"/>	Fair IL State Senate	samuel.shroff		Nov 14	2020/Congress	90	IL
<input checked="" type="checkbox"/>	California 2022 Congressional Districts	Crossover1370		Nov 14	2020/Congress	87	CA
<input type="checkbox"/>	CA Map	samuel.shroff	2022 HOR	Nov 14	2020/Congress	88	CA
<input type="checkbox"/>	Florida Map	lineb006		Nov 14	2020/Congress	66	FL
<input type="checkbox"/>	PA 2022	fungifun		Nov 14	2020/Congress	97	PA
<input type="checkbox"/>	IL 2022	fungifun		Nov 14	2020/Congress	100	IL

Map Search

The screenshot shows the ArcGIS Online interface. At the top left, the search bar contains the text "eastvale - template". A green circle highlights the search bar. Below the search bar, there is a table of search results. The first result is "Eastvale - Template" by "stephanie.smith", modified on "6:49 AM" in "2020/Other". A blue box with white text is overlaid on the page, stating: "For example. See this search for Eastvale, California below."

Preview	Name	Owner	Labels	Modified ↓	Plan
	Eastvale - Template	stephanie.smith		6:49 AM	2020/Other

Duplicate Map

The screenshot shows the DRA2020 web interface. At the top, there is a search bar with 'Eastvale' entered. Below the search bar, there are navigation links: 'About Data', 'What's New', 'Feedback', 'Help', and 'Donate'. The main content area is titled 'Published Maps' and shows a table with one map listed. The 'Duplicate' button is circled in green, and a checkbox next to the 'Eastvale 1' map is also circled in green.

<input checked="" type="checkbox"/>	Preview	Name	Owner	Labels	Modified ↓	Plan		State
<input checked="" type="checkbox"/>		Eastvale 1	stephanie.smith		Nov 12	2020/Other	0	CA

Click on the checkbox next to the map that you would like to use, which will select it, and click “duplicate” to make a copy. This will allow you to make modifications.

PLEASE NOTE: The program can take approximately 15 to 30 seconds to load the duplicate map under “My Maps”



Rename Map



The screenshot shows the DRA2020 web application interface. At the top, there is a search bar and navigation links. Below that, the 'My Maps' section is visible, showing a list of maps. The 'Rename' button in the toolbar is circled in green. The map list includes a map titled 'Copy of Eastvale 1' with a checkmark in the 'Preview' column.

Preview	Name	Labels	Modified ↓	Plan	State
<input checked="" type="checkbox"/>	Copy of Eastvale 1		5:28 AM	0 2020/Other	CA

Now that you have duplicated your map, you will need to rename it. Make sure the duplicate map is selected (check mark), select “Rename”, on the toolbar, insert a new name and add a description for your new map. **Tip:** Put your name in the renamed map title, i.e. Bob’s map, etc.

To begin modifying your new draft map, click “Edit” from the toolbar.

PLEASE NOTE: that the program can take approximately 15 to 30 seconds to load the map once you have selected “Edit”



Edit Map

The screenshot displays the DRA2020 software interface for editing a map. The main window shows a map of Eastvale with district boundaries. On the left, there is a 'District Selector' table and a 'Colors' panel. The 'Colors' panel has an 'Overlays' section where the 'Background Map' checkbox is circled in green. A blue callout box points to this checkbox with the text: "Next, click on the background map in the Overlay box. This is located in the lower left corner and will allow you to view streets." At the top right, a gear icon is circled in red. A yellow callout box points to this gear icon with the text: "First, click on the gear icon to reapply the Agency settings to your map. Then select Apply". A black callout box is open, showing the 'Map Settings' menu. In this menu, the 'APPLY' button at the bottom is circled in green. On the right side of the interface, there is a 'Precinct Details' table.

Total Population 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Voting Age Pop 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Composite 2016-2020		
	Votes	%
Democratic	0	(-)
Republican	0	(-)
Other	0	(-)



Edit Map – custom overlays

Riverside 0 -19,317

Desert Water Agency Template-2

Map Statistics Analyze Compare Advanced

District	Population	Deviation
Un	2,417,498	0
1	0	-19,317
2	0	-19,317
3	0	-19,317
4	0	-19,317
5	0	-19,317

Custom Overlays

- Line Width: 1
- Line Color: [Black]
- Line Opacity: 0.5
- Fill Color: [Bright Green]
- Fill Opacity: 0.25

Overlays:
DWA_Existing_District: [X]
Palm_Springs_Neighbc: [X]

Apply to All Overlays

The Palm Springs Neighborhoods are available as a customer overlay. You can view them by clicking on Palm Springs Neighborhoods, and then toggling on the “Fill button” The existing Palm Springs Neighborhoods will show on the map as bright green census blocks



Edit Map

The screenshot displays the DRA2020 web application interface. The title bar reads "Copy of Eastvale - Template". The top navigation bar includes a menu icon, the "DRA2020" logo, and various utility icons. The main interface is divided into several sections:

- Left Panel:** A "District Selector" table and a "Colors" panel. The "District Selector" table lists districts 1 through 5 with their respective population and deviation. The "Colors" panel shows options for "Background Map", "District Lines", "Precinct Lines", "County Lines", "City Lines", and "Landmarks".
- Top Bar:** A "Tools" menu with "Block" highlighted, and buttons for "Map", "Statistics", "Analyze", "Compare", and "Advanced".
- Map Area:** A map of Eastvale with census blocks highlighted in pink. A blue box highlights a specific area, and an orange box explains that census blocks within this area will appear after clicking. A green arrow points to the "Block" option in the Tools menu.
- Right Panel:** "Block Details" and "Voting Age Pop 2020" tables showing population and demographic data.

Block Details

Total Population 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Voting Age Pop 2020

	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Composite 2016-2020

	Votes	%
Democratic	0	(-)
Republican	0	(-)
Other	0	(-)



Edit Map

Copy of Eastvale - Template

Eastvale

2 0 -7,907,645

District Selector

District	Population	Deviation
Un	69,757	0
1	0	-7,907,645
2	0	-7,907,645
3	0	-7,907,645
4	0	-7,907,645
5	0	-7,907,645

District Details

In the "District Selector" box, select the District you would like to edit. A red dot will appear in the District being edited.

Eastvale

2 13,881 -7,893,764

District Selector

District	Population	Deviation
Un	43,278	0
1	12,598	-7,895,047
2	13,881	-7,893,764
3	0	-7,907,645
4	0	-7,907,645
5	0	-7,907,645

District Details

Block Details

Total Population 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Voting Age Pop 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Composite 2016-2020		
	Votes	%
Democratic	0	(-)
Republican	0	(-)
Other	0	(-)

Map saved to server.

© 2021 Data

© Mapbox © OpenStreetMap Improve this map



Edit Map

Eastvale 0 -7,907,645

County City
Precinct Block

Tools

Map Statistics Analyze Compare Advanced

District Selector

District	Population	Deviation
Un	69,757	0
1	0	-7,907,645
2	0	-7,907,645
3	0	-7,907,645
4	0	-7,907,645
5	0	-7,907,645

Block Details

Total Population 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)
Voting Age Pop 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)
Composite 2016-2020		
	Votes	%
Democratic	0	(-)
Republican	0	(-)
Other	0	(-)

Select the Paint brush in the menu bar above the map.

Click on the Census Block(s) you would like included in the selected District. The color of the census block will change to the District being edited. A running total of the population in the District being edited is shown in the District Selector Box.

Repeat these steps until all areas of the map have been assigned to a District.

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Editing Tips

- The target population for each district is 31,536. Deviation of 5% to 10% may be considered.
- To see what the population within a Census Block is before assigning it to a District, hover the cursor over the Census Block. Population and demographic statistics for the Census Block will appear in the “Block Details” box.
- To change the District a Census Block has been assigned to, use the paint brush tool to select the District in the District Selector box you want to change the Census Block to and then click on the Census Block you want to change. You may also select “Un” (Unassigned) in the District Selector box and click on a Census Block to leave it unassigned.



Tips for Quality Maps

- Districts are compact (uniform shapes, recognizable shapes, not elongated or thinly sliced across the jurisdiction)
- Districts are contiguous (share a common border).
- Districts are relatively equal in population, with a deviation no greater than 10% from the least populated to the greatest populated district. For example, if the ideal district should contain 1000 people, you could have one district that contains 950 people (5% under the ideal) and one district that contains 1050 people (5% over the ideal), with the other districts falling somewhere in between. The total deviation would be an acceptable 10%. *You can check your percentages by clicking on “statistics” on the right-hand side of the tool bar.*
- Districts keep neighborhoods and other communities of interest, like territories around schools, around landmarks, etc., together



Finalize Map

When you are finished, click on the “Maps” icon located on the top ribbon.

The screenshot displays the DRA2020 software interface for 'Eastvale Redistricting Map 1'. The top ribbon contains several icons, with the 'Maps' icon (a grid of squares) circled in green. The left sidebar features a 'District Selector' table with columns for District, Population, and Deviation. The central map area shows a redistricting plan with colored precincts. The right sidebar contains 'Precinct Details' and 'Composite 2016-2020' tables.

District	Population	Deviation
UH	0	0
1	22,934	-7,884,711
2	13,881	-7,893,764
3	22,011	-7,885,634
4	2,593	-7,905,052
5	8,338	-7,899,307

Total Population 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Voting Age Pop 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

Composite 2016-2020		
	Votes	%
Democratic	0	(-)
Republican	0	(-)
Other	0	(-)

Finalize Map

The screenshot shows the DRA2020 web interface. At the top, there is a search bar and navigation links. Below the search bar, there is a section titled "My Maps" with a dropdown arrow and "(1 map)". A table lists the maps. The first row has a checkbox, a preview icon, and the name "Eastvale Redistricting Map 1". A blue callout box with a white border points to the checkbox, containing the text: "Select the map you want to publish by clicking the checkbox next to the map." The table has columns for "Labels", "Modified" (6:44 AM), "Plan" (0 2020/Other), and "State" (CA). At the top right, there are buttons for "New Map", "New Community", and "Import".

	Preview	Name	Labels	Modified ↓	Plan	State
<input type="checkbox"/>		Eastvale Redistricting Map 1		6:44 AM	0 2020/Other	CA

Another way to share your map with your jurisdiction is by publishing it for anyone to see and then letting them know.

Publish Map

Once selected, click the publish icon located in the top ribbon.

Once published, you **must** send an email to your jurisdiction with your map name to inform them that you have published a map. This is very important, otherwise they will not know that you have published a map.

The screenshot shows the 'My Maps' interface for DRA2020. The top ribbon contains icons for Edit, Share, Duplicate, Publish, Delete, Rename, and Label. The 'Publish' icon is circled in green. Below the ribbon, a table lists maps, with the first map 'Eastvale Redistricting Map 1' selected and its checkbox also circled in green. A 'Publish Map' dialog box is open, containing the following text:

Publish Map

Your published maps are visible to all DRA 2020 users. A good name and description will help other people find your map and understand how and why you built it.

Map Name
Eastvale Redistricting Map 1

Description

Including your Twitter handle in your profile will allow other users who are interested in your maps to follow your tweets and have conversations about the maps you are publishing.

Twitter Handle

CANCEL PUBLISH

This is your last opportunity to update the name of description of your map before it is made public. There is also an option to include a Twitter handle. Including your Twitter handle in your profile will allow other users who are interested in your maps to follow your tweets and have conversations about the maps you are publishing.

Share a Map

When you are finished, you can share the map directly with your jurisdiction.

The screenshot displays the DRA2020 web application interface for "Eastvale Redistricting Map 1". The interface includes a top navigation bar with a menu icon, the application name "DRA2020", the map title "Eastvale Redistricting Map 1", and a set of utility icons including a share icon. A callout box with a blue border and white background points to the share icon, containing the text "When you are finished, you can share the map directly with your jurisdiction." The main map area shows a redistricting plan with colored districts. On the left, there is a "District Selector" table and a "Colors" panel. On the right, there is a "Precinct Details" table. The bottom of the interface contains copyright information and a "Map saved to server" notification.

District	Population	Deviation
4	2,593	-7,905,052
1	22,934	-7,884,711
2	13,881	-7,893,764
3	22,011	-7,885,634
5	8,338	-7,899,307

Total Population 2020	
Pop	%
Total	0 (-)
White	0 (-)
Hispanic	0 (-)
Black	0 (-)
Asian	0 (-)
Native	0 (-)
Pacific	0 (-)

Voting Age Pop 2020	
Pop	%
Total	0 (-)
White	0 (-)
Hispanic	0 (-)
Black	0 (-)
Asian	0 (-)
Native	0 (-)
Pacific	0 (-)

Composite 2016-2020	
Votes	%
Democratic	0 (-)
Republican	0 (-)
Other	0 (-)



Share a Map

Copy the link that populates in the box, then send via email to your jurisdiction, or anyone else you want to review your map. The email for Corona's demographer is Stephanie.Smith@bbklaw.com

The screenshot displays a web-based map application. At the top, the title 'Eastvale 1' is visible. The interface includes a toolbar with various icons for navigation and analysis. A 'Share Map' dialog box is open in the center, prompting the user to 'Copy and then share this URL.' The URL provided is <https://davesredistricting.org/join/2d1f0f7-b8cf-427b-b134-e8409701b23c>. Below the URL, there is a checkbox labeled 'Allow Editing' which is currently unchecked. At the bottom of the dialog box, there are three buttons: 'REVOKE SHARING', 'COPY', and 'DISMISS'. The background map shows a grid of streets in the Norco area, with a red outline highlighting a specific region. The map is titled 'Eastvale 1' and shows various streets like Mission Blvd, Norco Ave, and 6th St. The map is saved to the server, as indicated by the text 'Map saved to server.' in the bottom right corner.

