



Redistricting Map Instructions

City of Colton



Best Best & Krieger



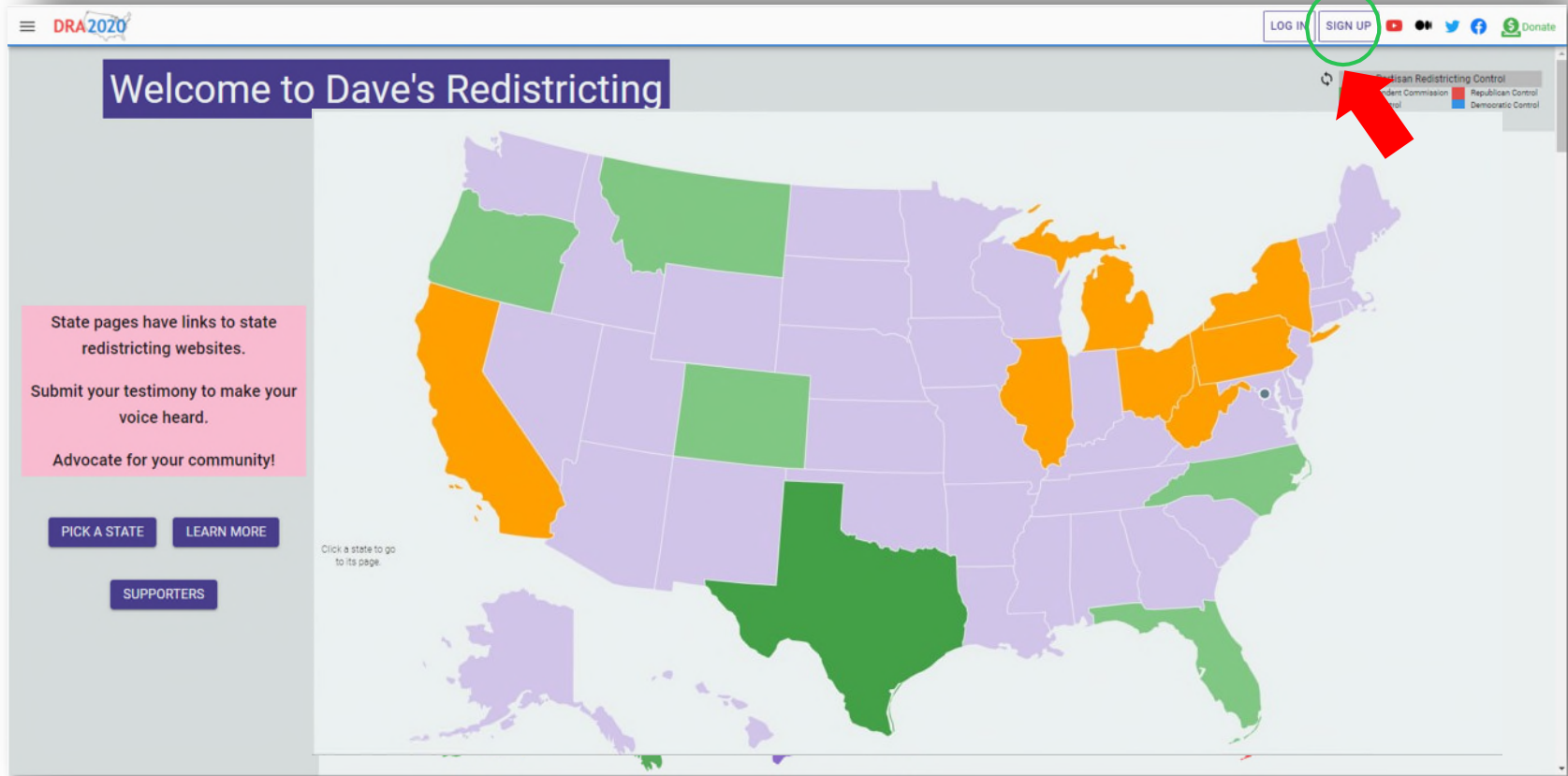
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Getting Started

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 a red circle and a red arrow pointing to the 'SIGN UP' button. Below the navigation bar is a large header that says 'Welcome to Dave's Redistricting'. To the left of the main map area, there is a pink box with the following 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'. The main feature is a map of the United States where states are colored based on partisan control: green for Independent Commission, red for Republican Control, and blue for Democratic Control. A legend in the top right corner of the map area explains these colors. A red arrow points from the 'SIGN UP' button to the map area.

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

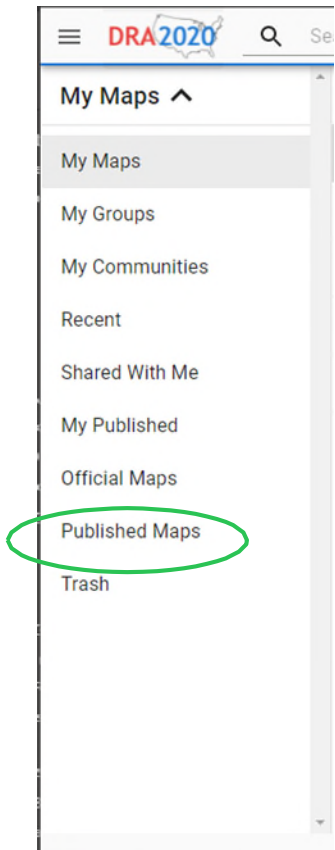
Published Maps

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



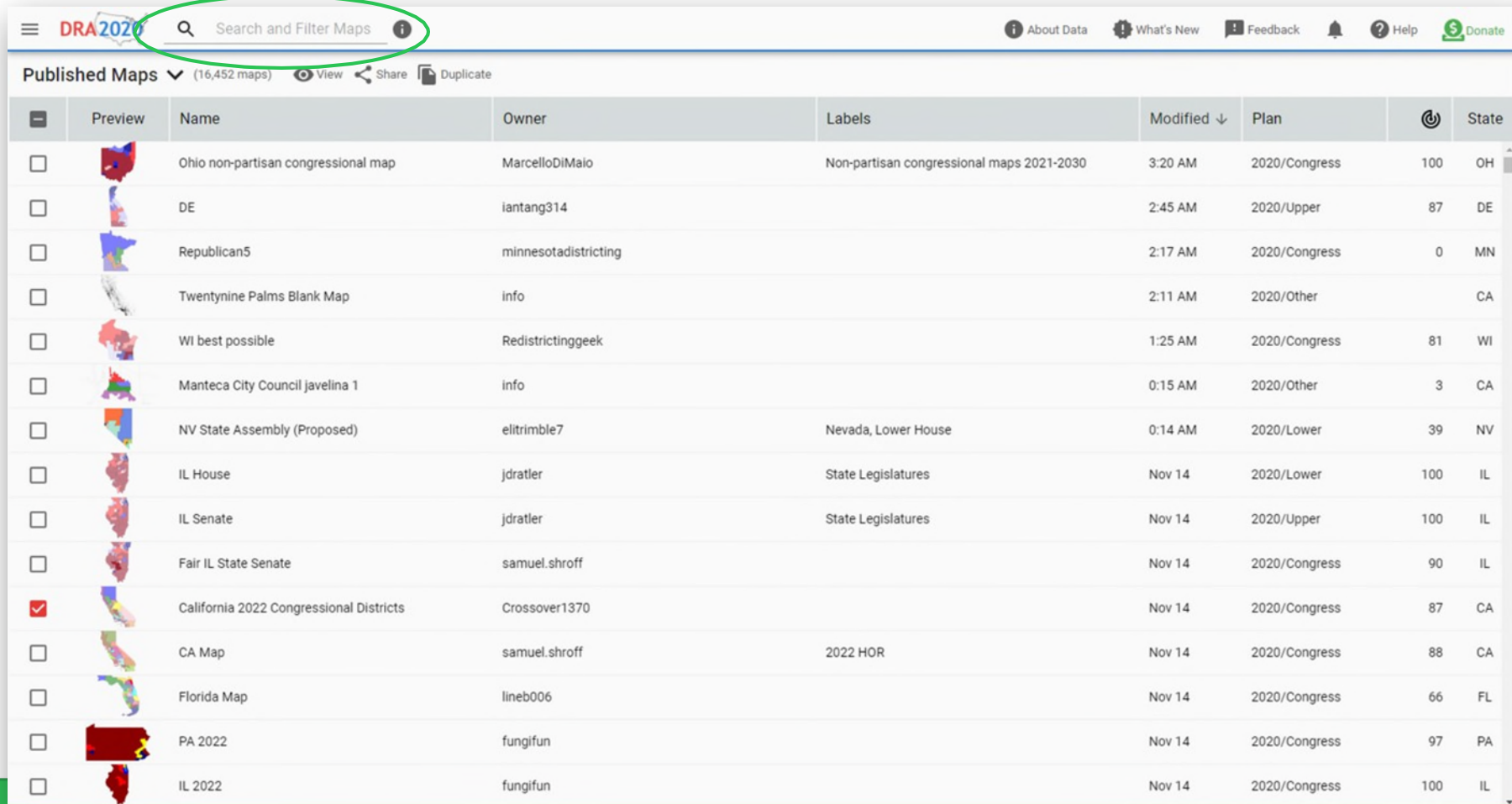
My Maps ▾

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



Map Search

Using the search box, enter your jurisdiction's name + template (Colton - 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 search bar with the text "Search and Filter Maps" and a magnifying glass icon. The search bar is highlighted with a green oval. To the right of the search bar are navigation links: "About Data", "What's New", "Feedback", "Help", and "Donate". Below the search bar, there is a section for "Published Maps" with a dropdown menu showing "(16,452 maps)" and icons for "View", "Share", and "Duplicate". The main content is a table of published maps with the following columns: "Preview", "Name", "Owner", "Labels", "Modified", "Plan", "Views", and "State". The table lists various maps, including "Ohio non-partisan congressional map", "DE", "Republican5", "Twentynine Palms Blank Map", "WI best possible", "Manteca City Council javelina 1", "NV State Assembly (Proposed)", "IL House", "IL Senate", "Fair IL State Senate", "California 2022 Congressional Districts", "CA Map", "Florida Map", "PA 2022", and "IL 2022". The "California 2022 Congressional Districts" map is selected, indicated by a red checkmark in the "Preview" column.

Preview	Name	Owner	Labels	Modified	Plan	Views	State
<input type="checkbox"/>	Ohio non-partisan congressional map	MarcelloDiMalo	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" and is circled in green. To the right of the search bar are links for "About Data", "What's New", "Feedback", and "Help". Below the search bar, there is a section for "My Maps" with a dropdown menu and a "(1 map)" indicator. To the right of this section are buttons for "New Map" and "New Community". Below these elements is a table with the following columns: "Preview", "Name", "Owner", "Labels", "Modified", and "Plan". The table contains one row with the following data: "Eastvale - Template", "stephanie.smith", "6:49 AM", and "2020/Other". A blue box with a white border is overlaid on the table, containing the text "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 application 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 contains a table with the following columns: 'Preview', 'Name', 'Owner', 'Labels', 'Modified', 'Plan', and 'State'. The table has one row with the following data: 'Eastvale 1', 'stephanie.smith', 'Nov 12', '2020/Other', '0', and 'CA'. The 'Duplicate' button in the top navigation bar and the checkbox in the 'Preview' column for the 'Eastvale 1' map are circled in green.

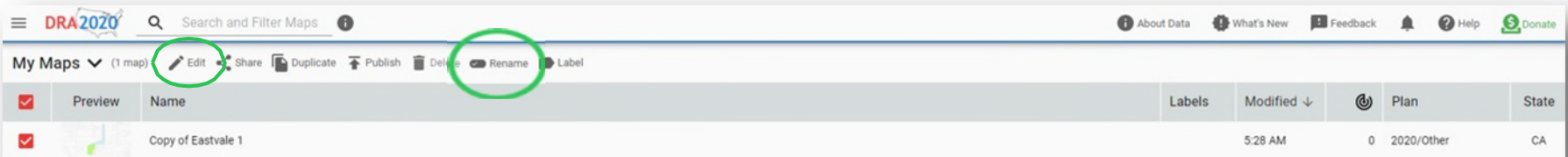
Preview	Name	Owner	Labels	Modified	Plan	State
<input checked="" type="checkbox"/>	Eastvale 1	stephanie.smith		Nov 12	2020/Other	0 CA

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



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 is titled "Copy of Eastvale - Template". The interface includes a top navigation bar with icons for home, chat, share, and help. Below this is a toolbar with "Map", "Statistics", "Analyze", "Compare", and "Advanced" options. A gear icon in the top right corner is highlighted with a red box and a yellow callout box containing the text: "First, click on the gear icon to reapply the Agency settings to your map. Then select Apply".

On the left side, there is a "District Selector" panel with a table of districts and their populations. Below it is a "Colors" panel with an "Overlays" section. The "Background Map" checkbox in the "Overlays" section is circled in green, with a blue callout box containing 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." The "Background Map" checkbox is also highlighted with a green circle.

In the center, a map of Eastvale is shown with district boundaries. A "Tools" menu is visible above the map. On the right side, there is a "Precinct Details" panel with two tables: "Total Population 2020" and "Voting Age Pop 2020".

At the bottom right, a "Map Settings" dialog box is open, showing "Data Selector" and "Primary Datasets" sections. The "APPLY" button at the bottom of the dialog is circled in green.

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

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

Colors

Overlays

- Background Map
- District Lines Labels
- Precinct Lines Labels
- County Lines Labels
- City Lines Landmarks

Custom Overlays

Overlays

- DWA_Existing_District
- Palm_Springs_Neighbc**

Line Width 1 >

Line Color >

Line Opacity 0.5 >

Fill Color >

Fill Opacity 0.25 >

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 software interface for editing a map titled "Copy of Eastvale - Template". The interface includes a top navigation bar with a menu icon, the text "DRA2020", and the map title. Below this is a toolbar with icons for location, hand, pan, zoom, and other map controls. A "Tools" dropdown menu is open, showing options for "County", "City", "Precinct", and "Block". A green arrow points to the "Block" option. A blue callout box explains: "Click on 'Block' in the Tool Bar directly above the map to be able to view Census Blocks, the smallest unit of measurement and the click on an area in the map." The map shows a grid of streets in Eastvale, with a blue highlighted area representing a census block. A black-bordered inset shows a zoomed-in view of this block. An orange callout box states: "Census blocks within the blue highlighted area on the map should appear after clicking." On the left, a "District Selector" panel shows a table with columns for "District", "Population", and "Deviation". The "Colors" panel on the bottom left has a "Background Map" checkbox checked. On the right, a "Block Details" panel shows demographic data for the selected block.

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	(-)



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.

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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

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.

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	(-)

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Editing Tips

- The target population for each district is 13,532. 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.

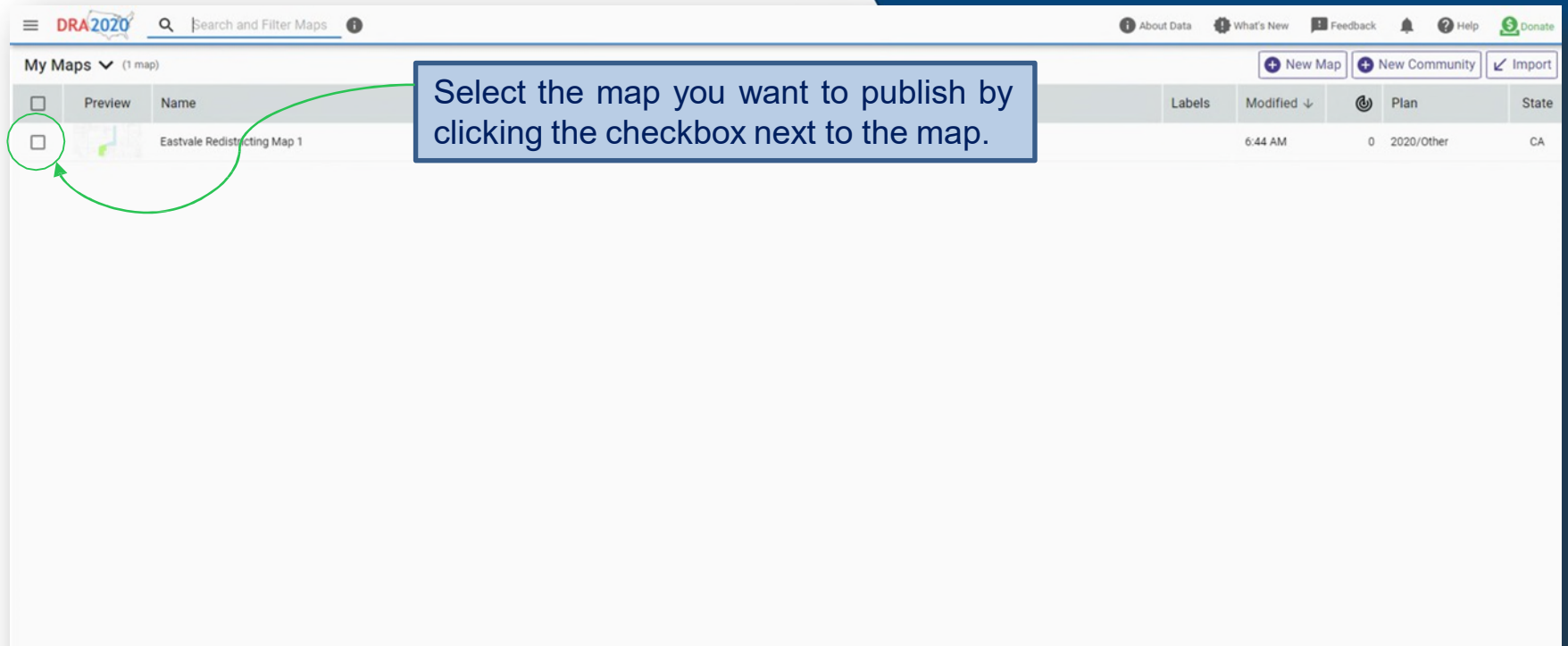
District Selector		
District	Population	Deviation
Un	0	0
1	22,934	-7,884.711
2	13,881	-7,893.764
3	22,011	-7,885.634
4	2,593	-7,905.052
5	8,338	-7,899.307

Precinct 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	(%)

Finalize Map



The screenshot shows the DRA2020 web interface. At the top, there is a search bar labeled "Search and Filter Maps" and a navigation menu with items like "About Data", "What's New", "Feedback", "Help", and "Donate". Below the search bar, there is a section titled "My Maps" with a dropdown arrow and "(1 map)". A table lists the maps, with columns for "Preview", "Name", "Labels", "Modified", "Plan", and "State". The first row shows a map named "Eastvale Redistricting Map 1" with a checkbox in the "Preview" column. A blue callout box with a white border points to this checkbox, containing the text: "Select the map you want to publish by clicking the checkbox next to the map." A green circle highlights the checkbox, and a green arrow points from the callout box to it.

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 in the DRA2020 application. A 'Publish Map' dialog box is open, displaying the following information:

- Map Name:** Eastvale Redistricting Map 1
- Description:** (Empty text area)
- Twitter Handle:** (Empty text area)

The dialog box includes a 'CANCEL' button and a 'PUBLISH' button. The background interface shows a table of maps with columns for 'Labels', 'Modified', 'Plan', and 'State'. The 'Publish' icon in the top ribbon is circled in green, and a red box highlights the 'Publish' button in the dialog box.

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 software interface for "Eastvale Redistricting Map 1". The map shows several colored districts: a light blue district at the top, a green district on the left, a purple district in the middle, and a red district at the bottom. The interface includes a "District Selector" on the left with a table of districts, a "Colors" panel with checkboxes for "Map Colors", "Demographics", and "Partisan Lean", and a "Precinct Details" panel on the right. The "Share" icon (two arrows pointing outwards) is circled in green in the top right corner of the software window.

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 Colton's demographer is Stephanie.Smith@bbklaw.com

Share Map

Copy and then share this URL.

URL
<https://davesredistricting.org/join/2d1f0f07-b8cf-427b-b134-e8409701b23c>

Allow Editing

REVOKE SHARING COPY DISMISS

