



# Redistricting Map Instructions

**City of San Marcos**



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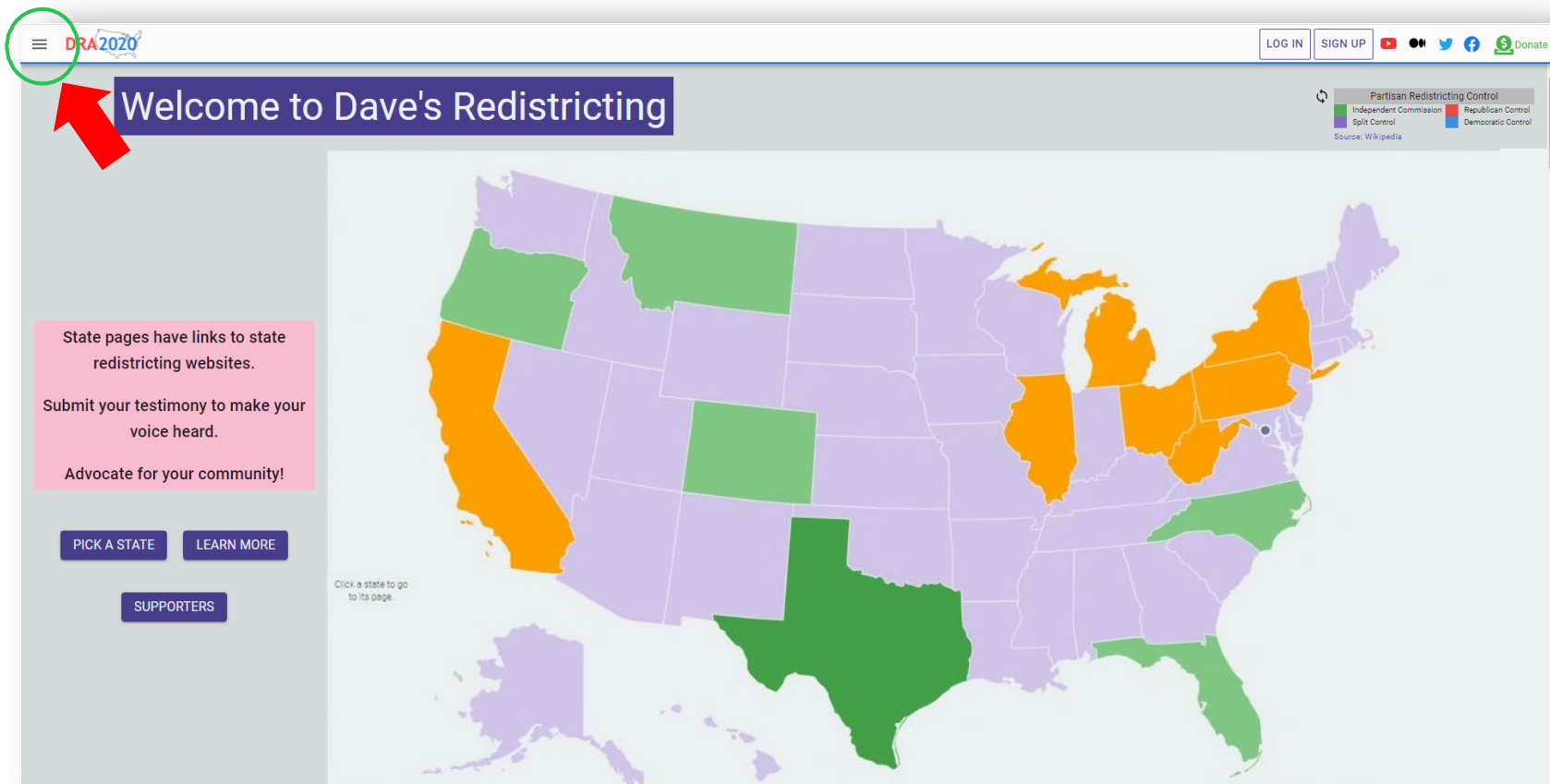
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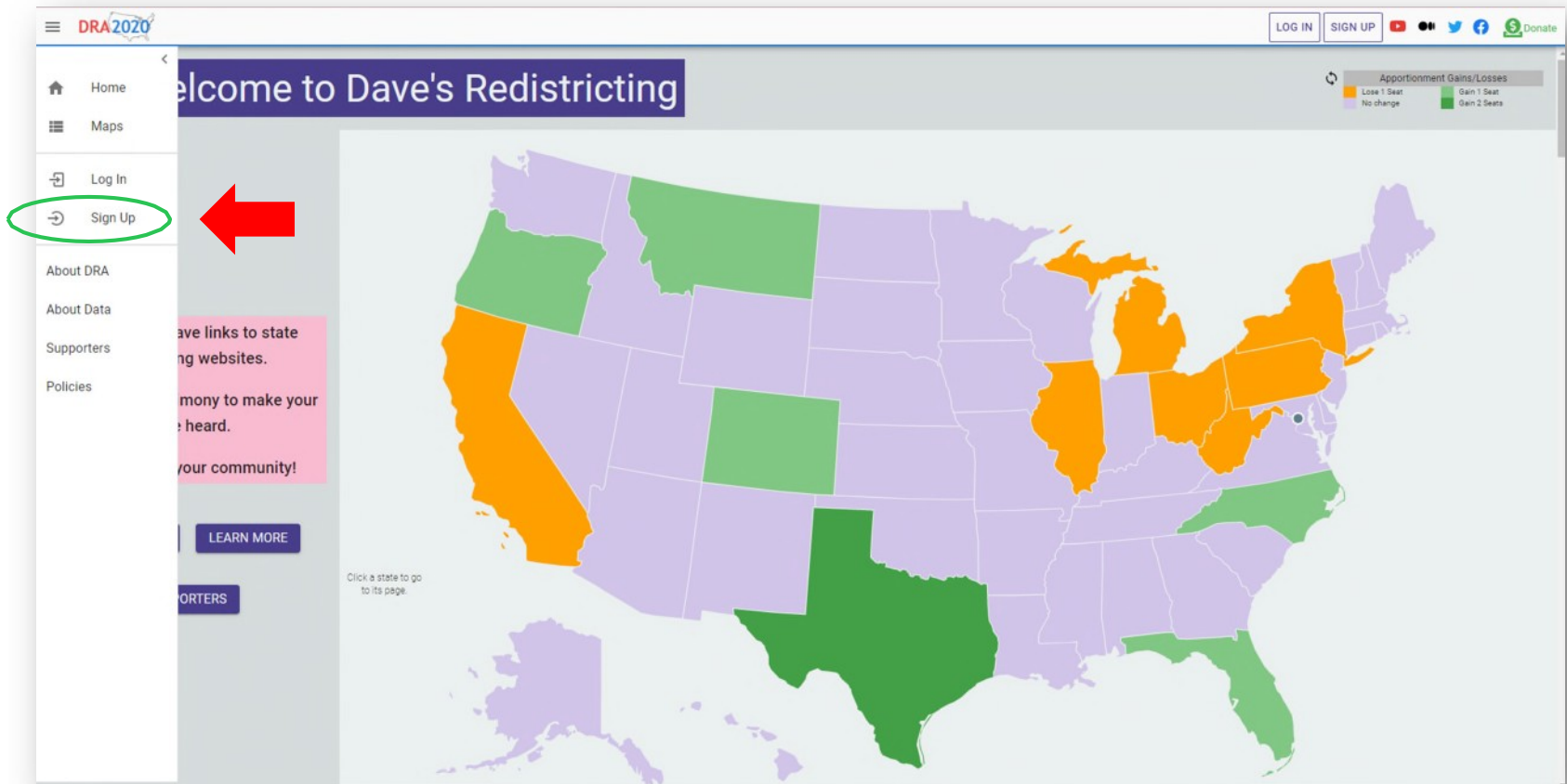
# Getting Started

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

- Click on menu bar in upper left corner.



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# Sign up for a Free Account


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



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# Draft Maps

 Search and Filter Maps 

LOG IN SIGN UP 

Home  
**Maps**  
Log In  
Sign Up

About DRA  
About Data  
Supporters  
Policies

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.

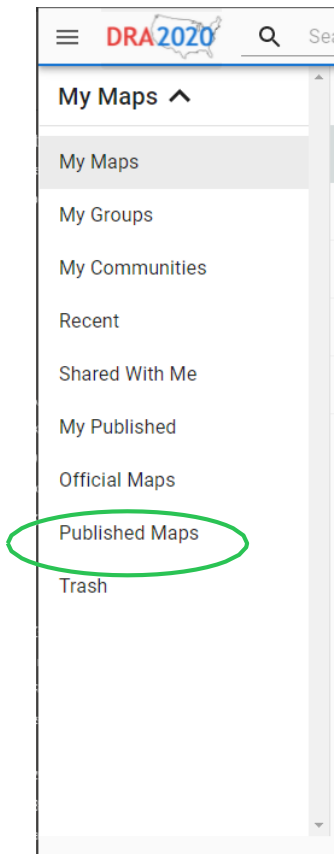
Name ↑	Modified	Plan		State
AK 2018 Lower State House	May 2	2010	100	AK
AK 2018 Upper State House	Feb 27, 2020	2010	81	AK
AK 2020 State House	Nov 9	2020/Lower	100	AK
AK 2020 State Senate	Nov 9	2020/Upper	92	AK
AL 116th Congressional	May 2	2010	21	AL
AL 2018 Lower State House	May 3	2010	100	AL
AL 2018 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 (San Marcos 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.

DRAPEDIA Search and Filter Maps

Published Maps (16,452 maps) View Share Duplicate

	Preview	Name	Owner	Labels	Modified ↓	Plan		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	lantang314		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 web interface. At the top left, the 'A2020' logo is visible. A search bar contains the text 'eastvale - template', and this search bar is circled in green. To the right of the search bar is an information icon. The top right of the interface features links for 'About Data', 'What's New', 'Feedback', a notification bell, and a 'Help' link. Below the search bar, the 'My Maps' section shows a dropdown menu with '(1 map)' and buttons for '+ New Map' and '+ New Community'. A table lists the available maps:

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

Below the table, a blue-bordered text box contains the following text:

For example. See this search for Eastvale, California below.



# Duplicate Map



The screenshot shows the DRA2020 web application interface. At the top, there is a navigation bar with the DRA2020 logo, a search bar containing 'Eastvale', and several utility links: 'About Data', 'What's New', 'Feedback', 'Help', and 'Donate'. Below the navigation bar, the 'Published Maps' section is displayed. It includes a dropdown menu for '(1 map)', icons for 'View', 'Share', and 'Duplicate' (the latter is circled in green), and a table of published maps. The table has columns for 'Preview', 'Name', 'Owner', 'Labels', 'Modified', 'Plan', 'State', and 'State'. The first row shows a map named 'Eastvale 1' owned by 'stephanie.smith', with a modified date of 'Nov 12' and a plan of '2020/Other'. The checkbox in the 'Preview' column for this map is 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.

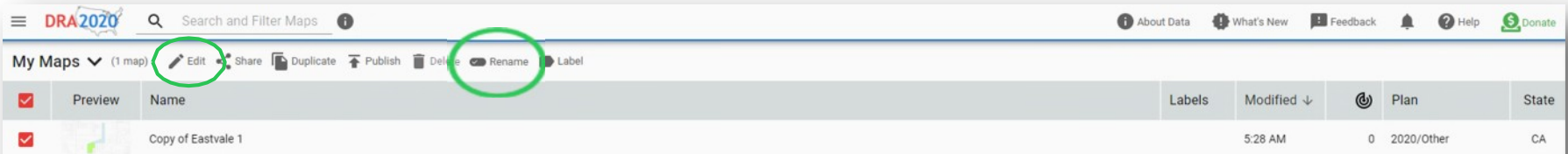
**PLEASE NOTE:** The program can take approximately 15 to 30 seconds to load the duplicate map under “My Maps”



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# 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 titled "Copy of Eastvale - Template". The interface includes a top navigation bar with icons for Map, Statistics, Analyze, Compare, and Advanced. A left sidebar contains a "District Selector" table and a "Colors" section with an "Overlays" list. A central map area shows a grid of districts. A right sidebar displays "Precinct Details" with population and voting age data. A "Map Settings" dialog box is open, showing options for Data Selector, Primary Datasets, and Color Map from File. A green circle highlights the "APPLY" button in the dialog.

**Eastvale** 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**

**Colors**

**Overlays**

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

**Custom Overlays**

**Map Settings**

**Data Selector**

**Primary Datasets**

Select primary datasets, one from each group, which will be used by District Statistics, Demographics Colors and Partisan Lean Colors.

Shapes 2020 Precincts

☐ Hide Election Data and Partisan Analytics

**Color Map from File**

**APPLY** **CANCEL**

**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	(-)

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First, click on the gear icon to reapply the Agency settings to your map. Then select Apply

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.



# Edit Map

**Copy of Eastvale - Template**

Eastvale 1 0 -7,907,645

County City Block

Tools

Map Statistics Analyze Compare Advanced

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	(-)

Click on "Block" in the Tool Bar directly above the map to be able to view Census Blocks, the click on an area in the map.

Census blocks within the blue highlighted area on the map should appear after clicking.

Map saved to server.

© 2021 D

© Mapbox © OpenStreetMap Improve this map



# 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

Colors

Overlays

☒ Background Map

☐ District Lines ☐ Labels

☒ Precinct Lines ☐ Labels

☐ County Lines ☐ Labels

☐ City Lines ☒ Landmarks

Custom Overlays

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 Da

© Mapbox © OpenStreetMap Improve this map



# Edit Map

**Copy of Eastvale - Template**

Eastvale 2 0 -7,907,645

County City Precinct Block Tools

Map Statistics Analyze Compare Advanced

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 23,759. 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 shows the DRA2020 software interface. The top ribbon contains icons for Maps, Statistics, Analyze, Compare, and Advanced. A green arrow points from the text box to the 'Maps' icon. The main map area displays 'Eastvale Redistricting Map 1' with a map of Eastvale, CA, divided into colored districts. The left sidebar shows the 'District Selector' with a table of districts and their populations. The right sidebar shows 'Precinct Details' with tables for 'Total Population 2020', 'Voting Age Pop 2020', and 'Composite 2016-2020'.

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

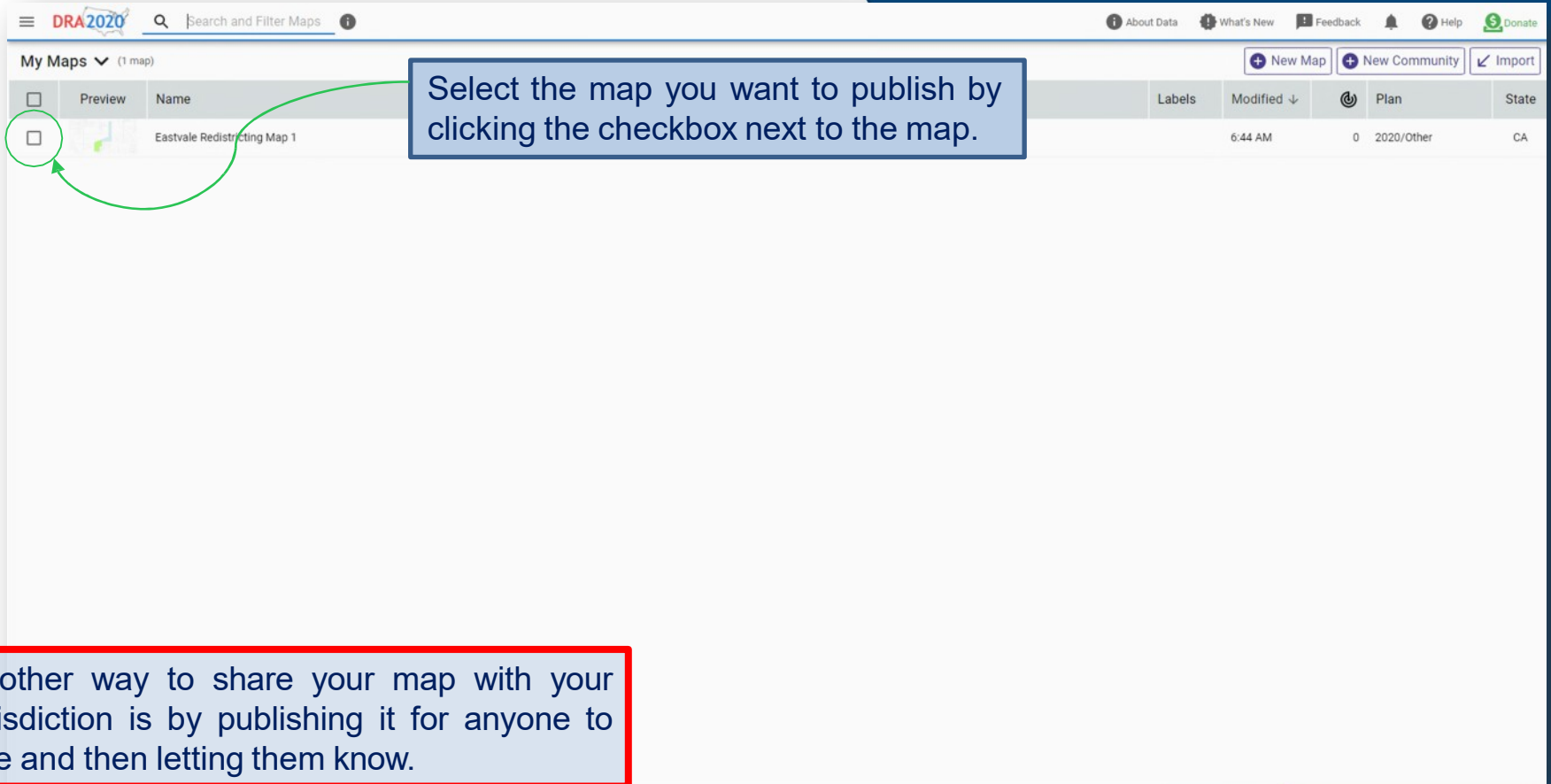
Total Population 2020		
	Pop	%
Total	0	(-)
White	0	(-)
Hispanic	0	(-)
Black	0	(-)
Asian	0	(-)
Native	0	(-)
Pacific	0	(-)

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 'My Maps' section of the DRA2020 website. A table lists the user's maps. The first map, 'Eastvale Redistricting Map 1', has a green circle around its checkbox. A blue callout box points to this checkbox with the text: 'Select the map you want to publish by clicking the checkbox next to the map.'

<input type="checkbox"/>	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 buttons for Edit, Share, Duplicate, Publish, Delete, Rename, and Label. The 'Publish' button is circled in green. Below the ribbon, a table lists maps. The first map, 'Eastvale Redistricting Map 1', has a checkbox in the first column that is also circled in green. A modal titled 'Publish Map' is open in the center. It contains the following text: '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.' Below this, there is a 'Map Name' field with the value 'Eastvale Redistricting Map 1' and a 'Description' field. At the bottom, there is a 'Twitter Handle' field with a blue link icon and a text input area. The modal has 'CANCEL' and 'PUBLISH' buttons at the bottom right.

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

### 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 shows the DRA2020 Eastvale Redistricting Map 1 interface. The map displays several colored districts: a green district in the northwest, a purple district in the center, and a red district in the southeast. The interface includes a left sidebar with a 'District Selector' table, a 'Colors' panel, and an 'Overlays' panel. The top right corner features a toolbar with icons for Map, Statistics, Analyze, Compare, and Advanced. A green arrow points from the text box to the share icon in the top right corner of the map interface.

**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

**Colors**

Districts ☐ Only Current  
☒ Map Colors ☐ Partisan Lean  
☐ Demographics

Precincts ☐ Partisan Lean  
☐ Demographics  
Opacity:

**Overlays**

☐ Background Map  
☐ District Lines ☐ Labels  
☒ Precinct Lines ☐ Labels  
☐ County Lines ☐ Labels  
☐ City Lines ☒ Landmarks  
Custom Overlays

**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	(-)

Map saved to server.  
© mapbox  
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# 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 San Marcos' demographer is [Stephanie.Smith@bbklaw.com](mailto:Stephanie.Smith@bbklaw.com)

Eastvale 1

County City Precinct Block Tools

Deviation

Map Statistics Analyze Compare

Share Map

Copy and then share this URL.

URL

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

☐ Allow Editing

REVOKE SHARING COPY DISMISS

Map saved to server



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