



Redistricting Map Instructions

City of Big Bear Lake



Best Best & Krieger



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@BBKlaw



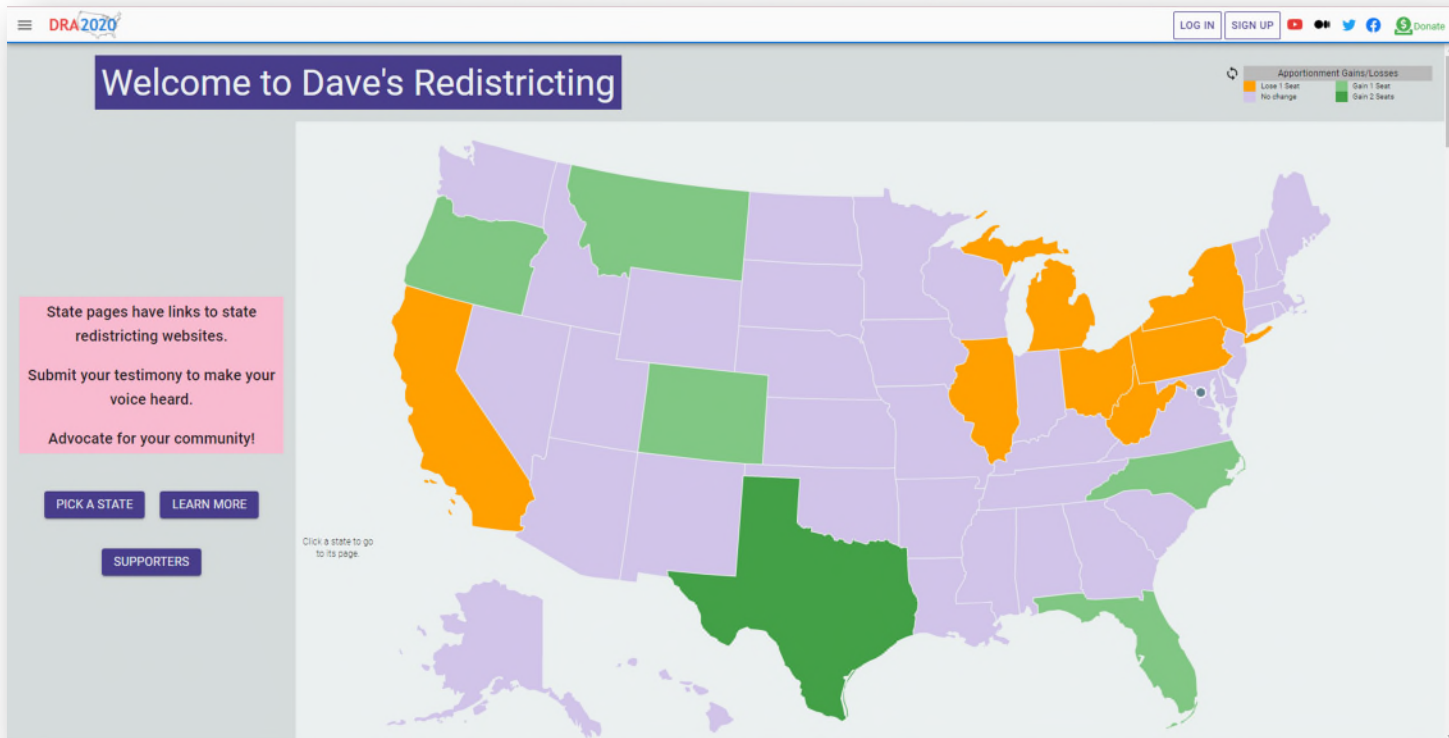
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ATTORNEYS AT LAW

Introduction

- **Mapping Tool – Dave’s Redistricting “DRA 2020”**

DRA 2020 is a web application to create, view, analyze and share redistricting maps for all 50 states and the District of Columbia.

- includes demographic data from the 2020 and 2010 censuses, 2019 and 2018 5-Year ACS/CVAP estimates, and extensive election data.
 - official congressional and legislative district maps are available and can be used to start new maps, or you can create maps from scratch.

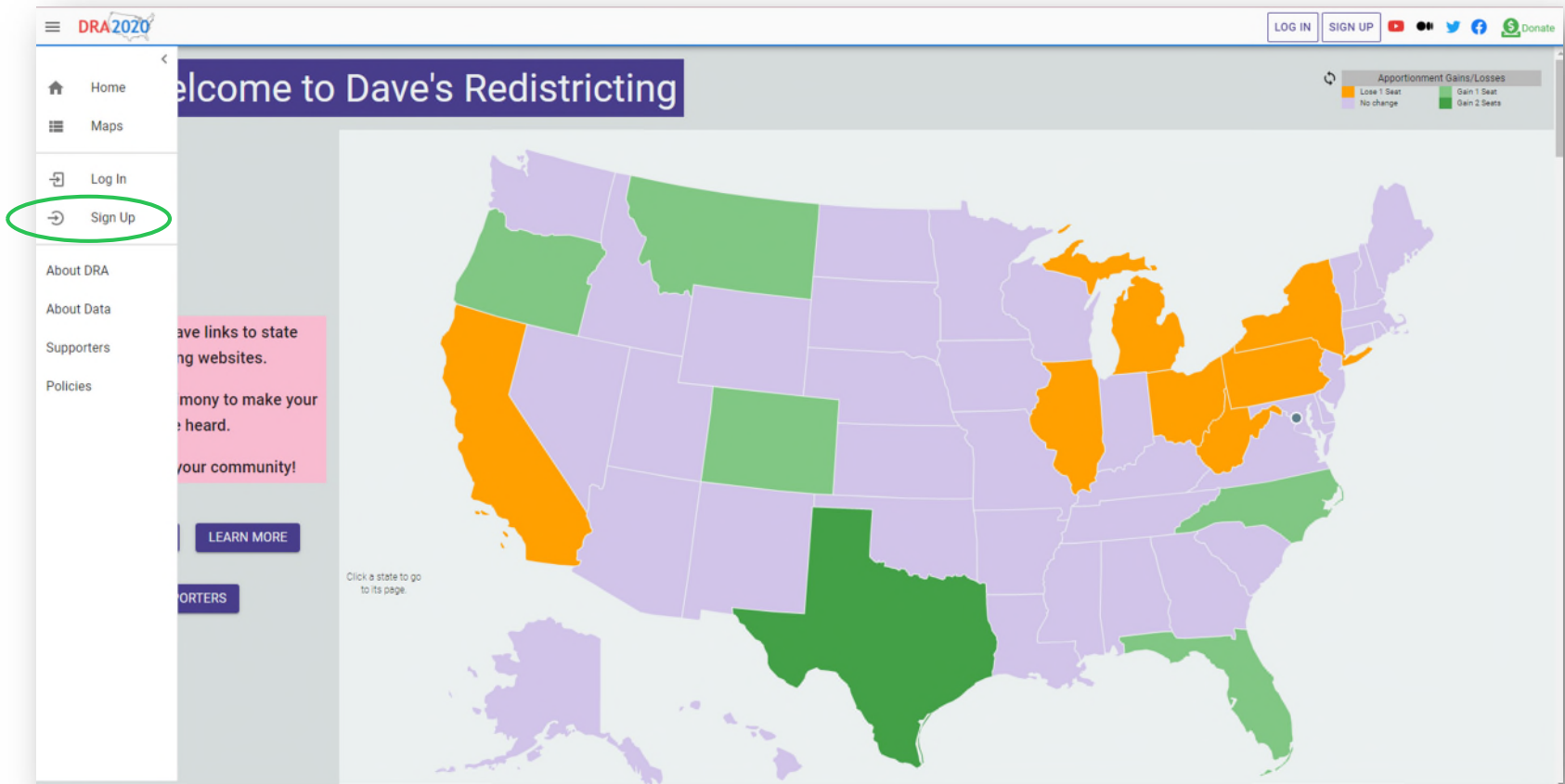


The screenshot displays the DRA 2020 web application interface. At the top, there is a navigation bar with a menu icon, the logo "DRA2020", and buttons for "LOG IN", "SIGN UP", and social media links (YouTube, Facebook, Twitter, LinkedIn). A "Donate" button is also present. Below the navigation bar, a purple banner reads "Welcome to Dave's Redistricting". To the right of the banner is a legend titled "Apportionment Gains/Losses" with four categories: "Lose 1 Seat" (orange), "No change" (purple), "Gain 1 Seat" (light green), and "Gain 2 Seats" (dark green). The main content area features a map of the United States where states are color-coded according to the legend. States like California, Michigan, and Pennsylvania are orange; Texas and Florida are dark green; and many others are purple. On the left side, there is a sidebar with a pink box containing text: "State pages have links to state redistricting websites.", "Submit your testimony to make your voice heard.", and "Advocate for your community!". Below this are buttons for "PICK A STATE", "LEARN MORE", and "SUPPORTERS". At the bottom of the sidebar, it says "Click a state to go to its page."



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Getting Started

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

- Sign up to create a free-to-you account.



Draft Maps

 Search and Filter Maps LOG IN SIGN UP Donate

Home
Maps
Log In
Sign Up

About DRA
About Data
Supporters
Policies

Name ↑	Owner	Labels	Modified	Plan		State
AK 2018 Lower State House	dra2020	Using Latest Census & Voting Age data	May 2	2010	100	AK
AK 2018 Upper State House	dra2020	Using Latest Census & Voting Age data	Feb 27, 2020	2010	81	AK
AK 2020 State House	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Lower	100	AK
AK 2020 State Senate	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Upper	92	AK
AL 116th Congressional	dra2020		May 2	2010	21	AL
AL 2018 Lower State House	dra2020		May 3	2010	100	AL
AL 2018 Upper State House	dra2020		Nov 5, 2019	2010	93	AL
AL 2020 Congressional	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Congress	8	AL
AL 2020 State House	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Lower	86	AL
AL 2020 State Senate	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Upper	73	AL
AR 116th Congressional	dra2020		Apr 29	2010	53	AR
AR 2018 Lower State House	dra2020		Nov 5, 2019	2010	80	AR
AR 2018 Upper State House	dra2020		Nov 5, 2019	2010	67	AR
AR 2020 Congressional	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Congress	57	AR
AR 2020 State House	dra2020	Using Latest Census & Voting Age data	Nov 9	2020/Lower	92	AR

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.

Published Maps

Select "My Maps" and then select "Published Maps" from the options pane.

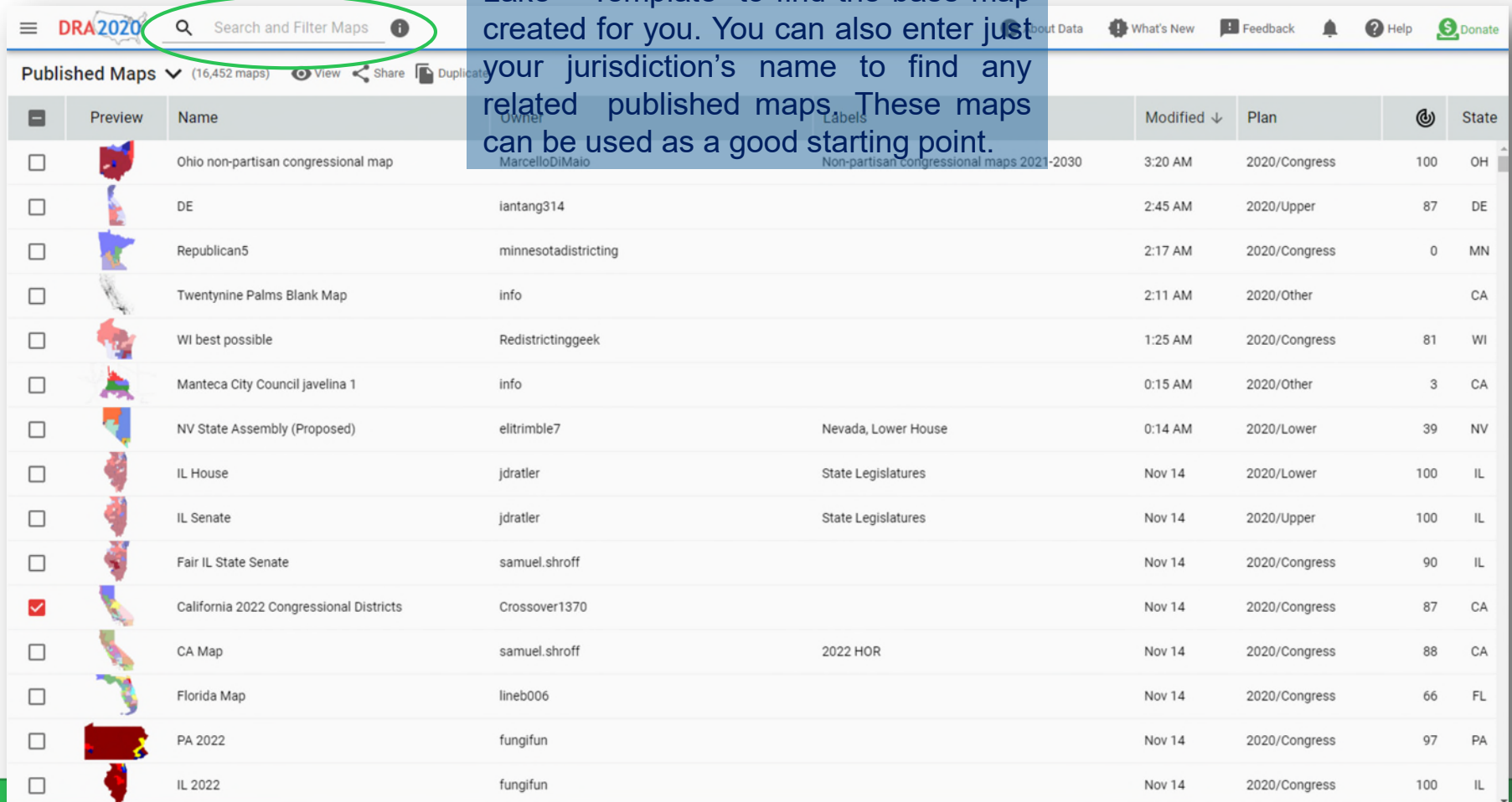
Published Maps

- My Maps
- My Communities
- Recent
- Shared With Me
- My Published
- Official Maps
- Published Maps
 - AK State Tribes
 - Cook Political
 - FiveThirtyEight
 - Wyoming Rule
 - More
- Trash

<input type="checkbox"/>	Preview	Name	Owner	Labels	Modified ↓	Plan		State
<input type="checkbox"/>		Ohio non-partisan congressional map	MarcelloDiMaio	Non-partisan congressional maps 2021-2030	3:06 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"/>		Twenty-nine 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)	eltrimble7	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 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

Using the search box, enter “Big Bear Lake – 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.



Published Maps (16,452 maps) View Share Duplicate

<input type="checkbox"/>	Preview	Name	Writer	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	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)	eltrimble7	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

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

The screenshot shows a web application interface with a search bar containing the text "fontana". The search bar is circled in green. Below the search bar, there is a section titled "Published Maps" with a dropdown arrow and "(1 map)". Below this, there is a table with the following columns: "Preview", "Name", "Owner", "Labels", and "Mod". The table contains one row with the following data:

Preview	Name	Owner	Labels	Mod
<input type="checkbox"/>	Fontana, CA - Template	stephanie.smith		7:08

Duplicate Map

The screenshot shows the DRA2020 web application interface. At the top, there is a search bar with the text 'fontana' and a search icon. To the right of the search bar are several utility icons: '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 '(1 map)'. To the right of this section are several action buttons: 'Edit', 'Share', 'Duplicate', and 'Unpublish'. The 'Duplicate' button is highlighted with a green circle. Below the action buttons is a table with the following columns: 'Preview', 'Name', 'Owner', 'Labels', 'Modified', 'Plan', and 'State'. The table contains one row with the following data: 'Fontana, CA - Template', 'stephanie.smith', '7:08 AM', '2020/Other', and 'CA'. The checkbox in the 'Preview' column for this row is also highlighted with a green circle.

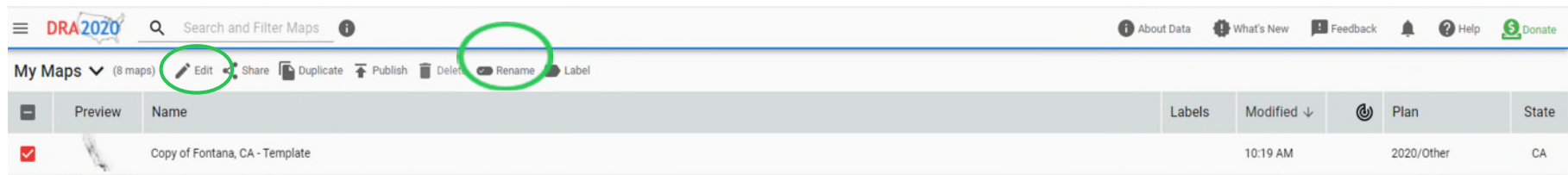
<input checked="" type="checkbox"/>	Preview	Name	Owner	Labels	Modified ↓	Plan	State
<input checked="" type="checkbox"/>		Fontana, CA - Template	stephanie.smith		7:08 AM	2020/Other	CA

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.




Rename Map

With the duplicate map still selected, select “Rename” to name and add a description for your new map, and then click “Edit” to begin modifying your new draft map.



The screenshot shows the DRA2020 web interface. At the top, there is a search bar and navigation links for 'About Data', 'What's New', 'Feedback', 'Help', and 'Donate'. Below this is the 'My Maps' section, which includes a dropdown menu for '(8 maps)' and a row of action buttons: 'Edit', 'Share', 'Duplicate', 'Publish', 'Delete', 'Rename', and 'Label'. The 'Edit' and 'Rename' buttons are circled in green. Below the buttons is a table with columns for 'Preview', 'Name', 'Labels', 'Modified', 'Plan', and 'State'. The table contains one row with the following data:

Preview	Name	Labels	Modified	Plan	State
	Copy of Fontana, CA - Template		10:19 AM	2020/Other	CA



To see running totals for the currently selected district see the “district details” option pane. The district number is displayed at the top of the option pane

Rename your map at any time or update the description

Edit Map

Fontana Redistricting 2021

District Details

1

Total Population 2020		
	Pop	%
Total	10,489	100.0%
White	854	8.1%
Hispanic	8,485	80.9%
Black	622	5.9%
Asian	551	5.3%
Native	443	4.2%
Pacific	39	0.4%

Voting Age Pop 2020

	Pop	%
Total	7,769	100.0%
White	728	9.4%
Hispanic	6,127	78.9%
Black	479	6.2%

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	(-)

“paint brush” selects precincts, which are actually census block groups

“hand” moves the screen around

To zoom in and out use “+” & “-”

Details of the census block or precinct (block group) will update as you edit the map. See also “district details” on the left pane.

Edit Map Continued

Fontana Redistricting 2021

Fontana

1 10,489 -41,609

District Selector

District	Population	Deviation
Un	197,904	0
1	10,489	-41,609
2	0	-52,098
3	0	-52,098
4	0	-52,098

Click on a circle to choose a district to assign the next census block or precinct you click

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

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 (-)	



Edit Map Continued

Fontana 10,489 -41,609

District Selector

District	Population	Deviation
1	10,489	-41,609
2	0	-52,098
3	0	-52,098
4	0	-52,098

District Details

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

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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 (-)

To see details at the census block level, change the selection level to "block" and the blocks that make up the precinct (census block group) will appear.



Tips for Quality Maps

- Districts are compact (uniform shapes, recognizable shapes, not elongated or thinly sliced across the jurisdiction)
- Districts are contiguous
- 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%
- 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 for Fontana Redistricting 2021. The top ribbon contains several icons, with the 'Maps' icon (a grid of squares) circled in green. The interface includes a District Selector on the left, a map in the center, and a Precinct Details panel on the right. The map shows four districts: District 1 (red), District 2 (yellow), District 3 (green), and District 4 (blue). The District Selector shows the following data:

District	Population	Deviation
Un	38	0
1	52,434	336
2	51,527	-571
3	51,694	-404
4	52,700	602

The Precinct Details panel on the right shows the following data:

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 Continued

My Maps (8 maps) Edit Share Duplicate Publish Delete Rename Label

	Preview	Name	Labels	Modified ↓		Plan
<input checked="" type="checkbox"/>		Fontana Redistricting 2021		11:24 AM	68	2020/Other
<input type="checkbox"/>		Eastvale 1		7:40 AM	0	2020/Other
<input type="checkbox"/>		Palm Springs - Template		7:10 AM		2020/Other
<input type="checkbox"/>		Fontana, CA - Template		7:08 AM		2020/Other
<input type="checkbox"/>		Windsor, Sonoma County - Template		7:03 AM	0	2020/Other
<input type="checkbox"/>		Imperial CCD - Template		6:59 AM		2020/Other
<input type="checkbox"/>		Eastvale - Template		6:49 AM	0	2020/Other
<input type="checkbox"/>		Imperial Community College District		Nov 9	100	2020/Other

Publish Map

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

The screenshot shows the DRA2020 interface. At the top, there is a search bar and a ribbon with icons for Edit, Share, Duplicate, Publish, Delete, and Rename. The 'Publish' icon is circled in green. Below the ribbon is a list of maps with checkboxes. The first map, 'Fontana Redistricting 2021', has its checkbox checked and is also circled in green. A modal dialog box titled 'Publish Map' is open in the center. It contains 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
Fontana Redistricting 2021

Description
This is my copy of the Redistricting Map

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

Labels	Modified ↓	Plan	State
	11:24 AM	68 2020/Other	CA
	7:40 AM	0 2020/Other	CA
	7:10 AM	2020/Other	CA
	7:08 AM	2020/Other	CA
	7:03 AM	0 2020/Other	CA
	6:59 AM	2020/Other	CA
	6:49 AM	0 2020/Other	CA
	Nov 9	100 2020/Other	CA

This is one way to share your map with your jurisdiction. By publishing it anyone will be able to see it.

Publish Map

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

Once published, you **must** send an email to the City with your map name to inform them that you have published a map. The email for the City's redistricting consultant is Stephanie.Smith@bbklaw.com

The screenshot shows the DRA2020 web application interface. At the top, there is a search bar and navigation icons. Below that, a ribbon contains actions like 'Edit', 'Share', 'Duplicate', 'Publish', 'Delete', 'Rename', and 'Label'. The 'Publish' icon is circled in green. A modal window titled 'Publish Map' is open, displaying instructions and a form for publishing a map. The modal includes a 'Map Name' field with the value 'Fontana Redistricting 2021' and a 'Description' field with the text 'This is my copy of the Redistricting Map'. There is also a 'Twitter Handle' field. At the bottom of the modal are 'CANCEL' and 'PUBLISH' buttons. In the background, a table lists various maps with columns for 'Labels', 'Modified', 'Plan', and 'State'.

Labels	Modified ↓	Plan	State
	11:24 AM	68 2020/Other	CA
	7:40 AM	0 2020/Other	CA
	7:10 AM	2020/Other	CA
	7:08 AM	2020/Other	CA
	7:03 AM	0 2020/Other	CA
	6:59 AM	2020/Other	CA
	6:49 AM	0 2020/Other	CA
	Nov 9	100 2020/Other	CA

Published maps may be viewed by anyone. They may also be duplicated for others to use as a base map. They cannot be altered by anyone other than the “owner” or creator of the map.

Share a Map

When you are finished, you can also share the map directly with the City's redistricting consultant, or anyone else you want to see the map. Shared maps that are not published can only be viewed by the person(s) it has been shared with.

Fontana Redistricting 2021

Fontana 4 52,700 602

District Selector

District	Population	Deviation
Un	38	0
1	52,434	336
2	51,527	-571
3	51,694	-404
4	52,700	602

District Details

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

Map saved to server.

© 2021 Dave's Redistricting, LLC. © Mapbox © OpenStreetMap Improve this map

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 (-)	



Share a Map Continued

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 Big Bear Lake's redistricting process is Stephanie.Smith@bbklaw.com

Fontana Redistricting 2021

Fontana 52,700 602

District Selector

District	Population	Deviation
Un	38	0
1	52,434	336
2	51,527	-571
3	51,694	-404
4	52,700	602

District Details

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

© 2021 Dave's Redistricting, LLC.

Map saved to server.

mapbox

© Mapbox © OpenStreetMap. Improve this map

Share Map

Copy and then share this URL.

URL

<https://davesredistricting.org/join/b65f8917-2efd-4bae-838d-26d90f30d756>

Allow Editing

REVOKE SHARING COPY DISMISS

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 (-)	

