



Redistricting Map Instructions

City of Fontana



Best Best & Krieger



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@BBKlaw



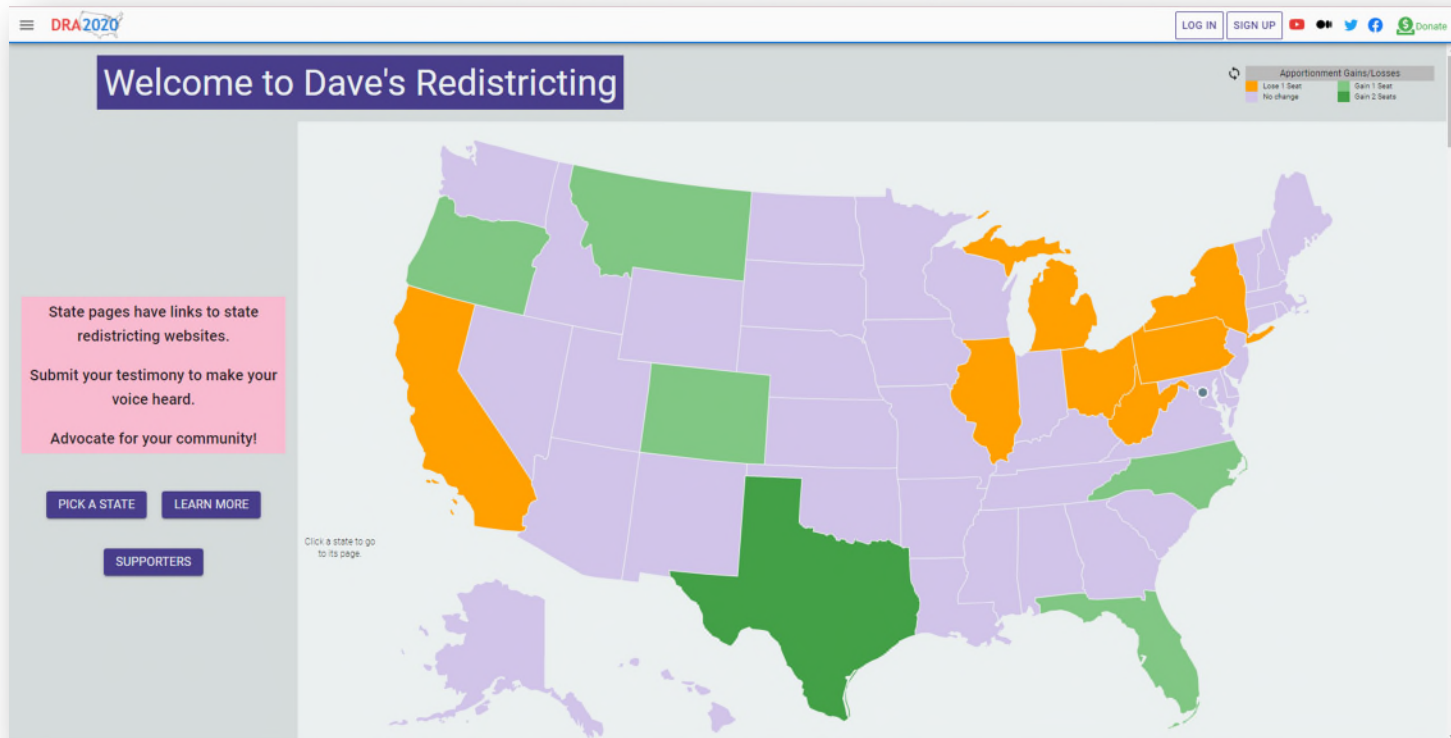
BEST BEST & KRIEGER
ATTORNEYS AT LAW

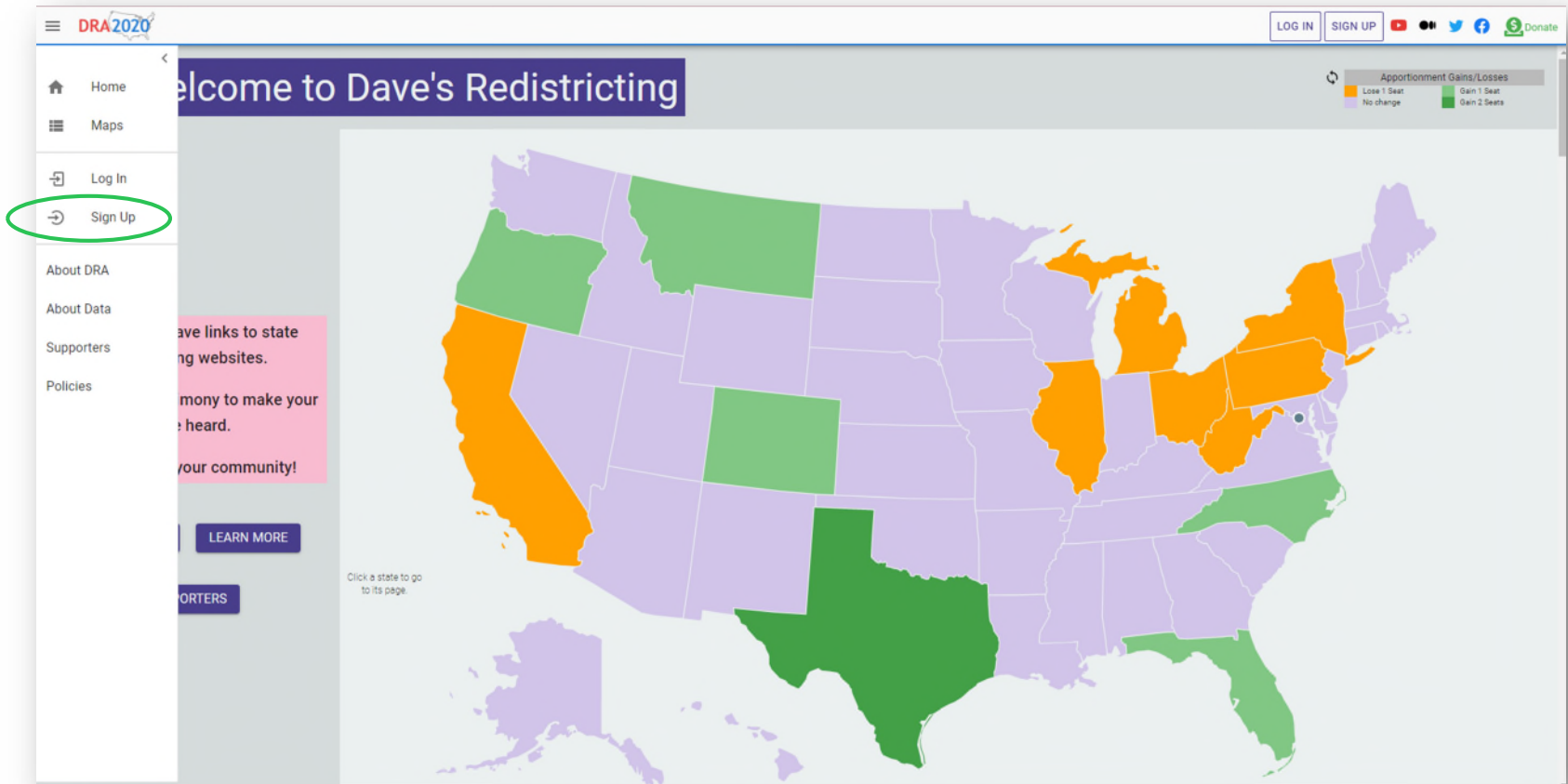
Introduction

- **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.







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 

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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 ↑	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

Published Maps

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

The screenshot shows the DRA2020 web application interface. The left sidebar contains a list of navigation options: My Maps, My Communities, Recent, Shared With Me, My Published, Official Maps, Published Maps, and Trash. The 'Published Maps' option is highlighted. The main content area displays a table of published maps. The table has columns for Name, Owner, Labels, Modified, Plan, and State. The data rows are as follows:

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	OH
<input type="checkbox"/>	DE	iantang314		2:45 AM	2020/Upper	DE
<input type="checkbox"/>	Republican5	minnesotadistricting		2:17 AM	2020/Congress	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	WI
<input type="checkbox"/>	Manteca City Council javelina 1	info		0:15 AM	2020/Other	CA
<input type="checkbox"/>	NV State Assembly (Proposed)	eltrimble7	Nevada, Lower House	0:14 AM	2020/Lower	NV
<input type="checkbox"/>	IL House	jdratler	State Legislatures	Nov 14	2020/Lower	IL
<input type="checkbox"/>	IL Senate	jdratler	State Legislatures	Nov 14	2020/Upper	IL
<input type="checkbox"/>	Fair IL State Senate	samuel.shroff		Nov 14	2020/Congress	IL
<input type="checkbox"/>	California 2022 Congressional Districts	Crossover1370		Nov 14	2020/Congress	CA
<input type="checkbox"/>	CA Map	samuel.shroff	2022 HOR	Nov 14	2020/Congress	CA
<input type="checkbox"/>	Florida Map	lineb006		Nov 14	2020/Congress	FL
<input type="checkbox"/>	PA 2022	fungifun		Nov 14	2020/Congress	PA
<input type="checkbox"/>	IL 2022	fungifun		Nov 14	2020/Congress	IL

Map Search

Using the search box, enter your jurisdiction's name + 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.

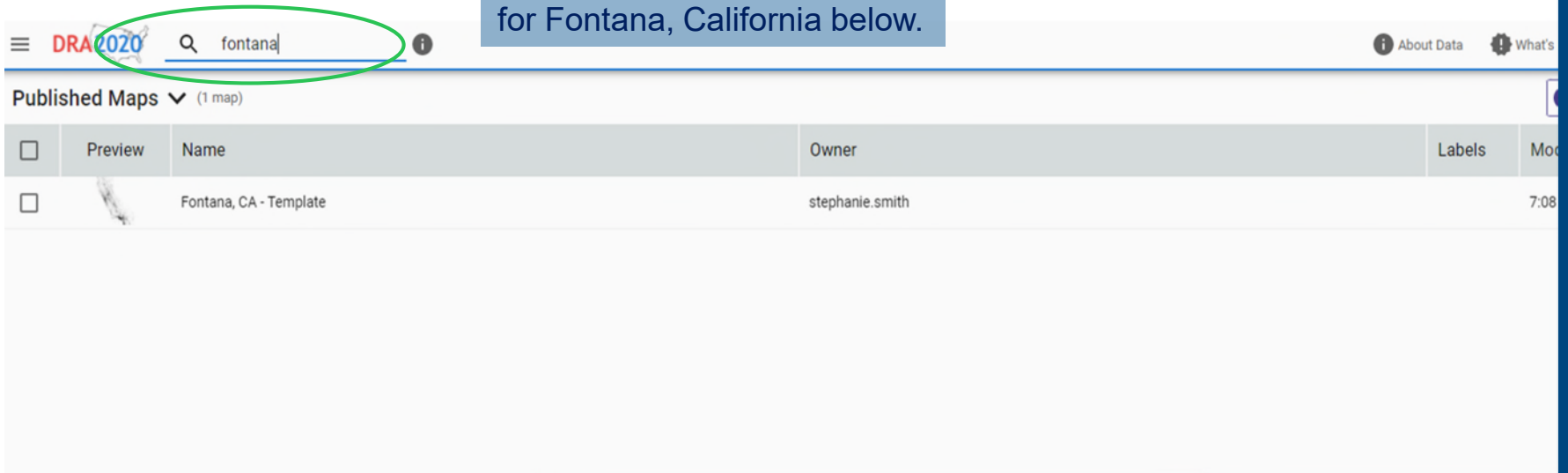
DRAC2020 Search and Filter Maps

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)	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

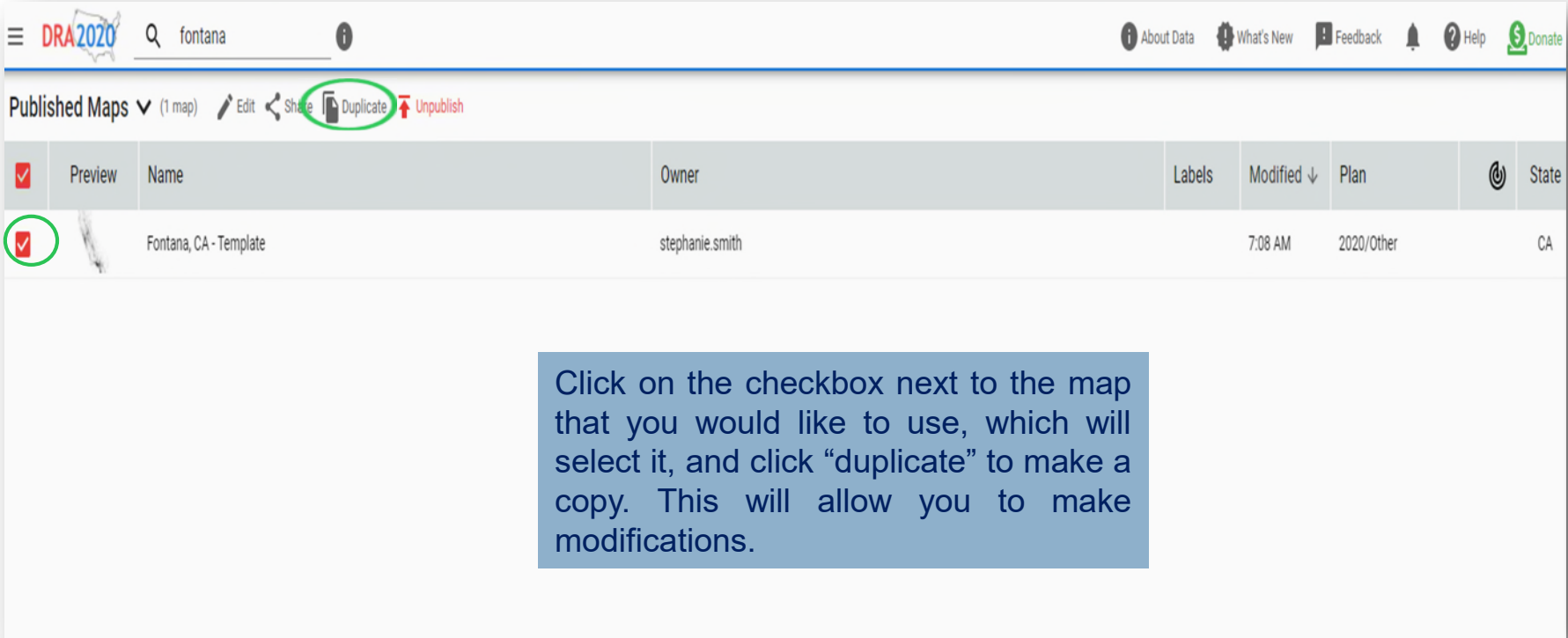
For example. See this search for Fontana, California below.



The screenshot shows the DRA 2020 web application. At the top, there is a search bar with the text 'fontana' entered. 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 columns: 'Preview', 'Name', 'Owner', 'Labels', and 'Mod'. The table contains one row with a preview image of a map, the name 'Fontana, CA - Template', the owner 'stephanie.smith', and the time '7:08'.

Preview	Name	Owner	Labels	Mod
	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 menu icon. To the right of the search bar are links for 'About Data', 'What's New', 'Feedback', 'Help', and 'Donate'. Below the search bar, there is a section titled 'Published Maps' with a dropdown arrow and '(1 map)'. To the right of this section are icons for 'Edit', 'Share', 'Duplicate' (circled in green), and 'Unpublish'. Below this is a table with the following columns: 'Preview', 'Name', 'Owner', 'Labels', 'Modified', 'Plan', and 'State'. The first row of the table has a checkbox (circled in green) in the 'Preview' column, a small map icon in the 'Name' column, the text 'Fontana, CA - Template' in the 'Name' column, 'stephanie.smith' in the 'Owner' column, '7:08 AM' in the 'Modified' column, '2020/Other' in the 'Plan' column, and 'CA' in the 'State' column.


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 application interface. At the top, there is a navigation bar with the DRA2020 logo, a search bar, and links for About Data, What's New, Feedback, Help, and Donate. Below the navigation bar, the 'My Maps' section is displayed, showing a list of maps. The 'Edit' and 'Rename' buttons are circled in green. The map list includes a table with columns for Name, Labels, Modified, Plan, and State.

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

The screenshot shows the DRA2020 map editing interface. The map is titled "Fontana Redistricting 2021". The left sidebar contains several panels: "District Selector" (showing district 1), "District Details" (showing population and demographic data for district 1), "Colors" (with checkboxes for Districts, Map Colors, and Demographics), "Precincts" (with checkboxes for Partisan Lean and Demographics), and "Overlays" (with checkboxes for Background Map, District Lines, Labels, Precinct Lines, Labels, County Lines, Labels, City Lines, and Landmarks). The main map area shows a map of Fontana, CA, with precinct boundaries and a redistricting plan. A blue area is highlighted on the map, and a callout box explains that the "paint brush" selects precincts, which are actually census block groups. Another callout box explains that the "hand" moves the screen around. A third callout box explains that details of the census block or precinct (block group) will update as you edit the map. A fourth callout box explains that to zoom in and out, use "+" and "-".

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	(-)

Edit Map Continued

Fontana Redistricting 2021

Fontana

District Selector

District	Population	Deviation
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

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	(-)

Map saved to server.

© 2021 Davele

© Mapbox © OpenStreetMap Improve this map



Edit Map Continued

Fontana Redistricting 2021

Fontana 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

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

County Precinct 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	(-)

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.



Finalize Map

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

District Selector

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

Colors

Districts ☐ Only Current ☐ Partisan Lean

☒ Map Colors ☐ Demographics

Precincts ☐ Partisan Lean ☐ Demographics

Opacity

Overlays

☐ Background Map ☐ District Lines ☐ Labels

☒ Precinct Lines ☐ Labels

☐ County Lines ☐ Labels

☐ City Lines ☐ Landmarks

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.

© 2021 Dave's Redistricting, LLC.

© Mapbox © OpenStreetMap Improve this map

Finalize Map Continued

The screenshot shows the 'My Maps' section of the DRA2020 application. A callout box with the text 'Select the map you want to publish by clicking the checkbox next to the map.' points to the first map, 'Fontana Redistricting 2021', which has its checkbox checked. The other maps in the list have unchecked checkboxes.

	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 'My Maps' interface. The top ribbon contains icons for Edit, Share, Duplicate, Publish, Delete, and Rename. The 'Publish' icon is circled in green. A modal dialog titled 'Publish Map' is open, showing instructions for publishing maps and a form for Map Name and Description. The background shows a list of maps with checkboxes, where the first map, 'Fontana Redistricting 2021', is selected.

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

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

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 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. 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 list of maps is displayed with checkboxes. The 'Fontana Redistricting 2021' map is selected, and its checkbox is also circled in green. A 'Publish Map' dialog box is open in the center, 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
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
|

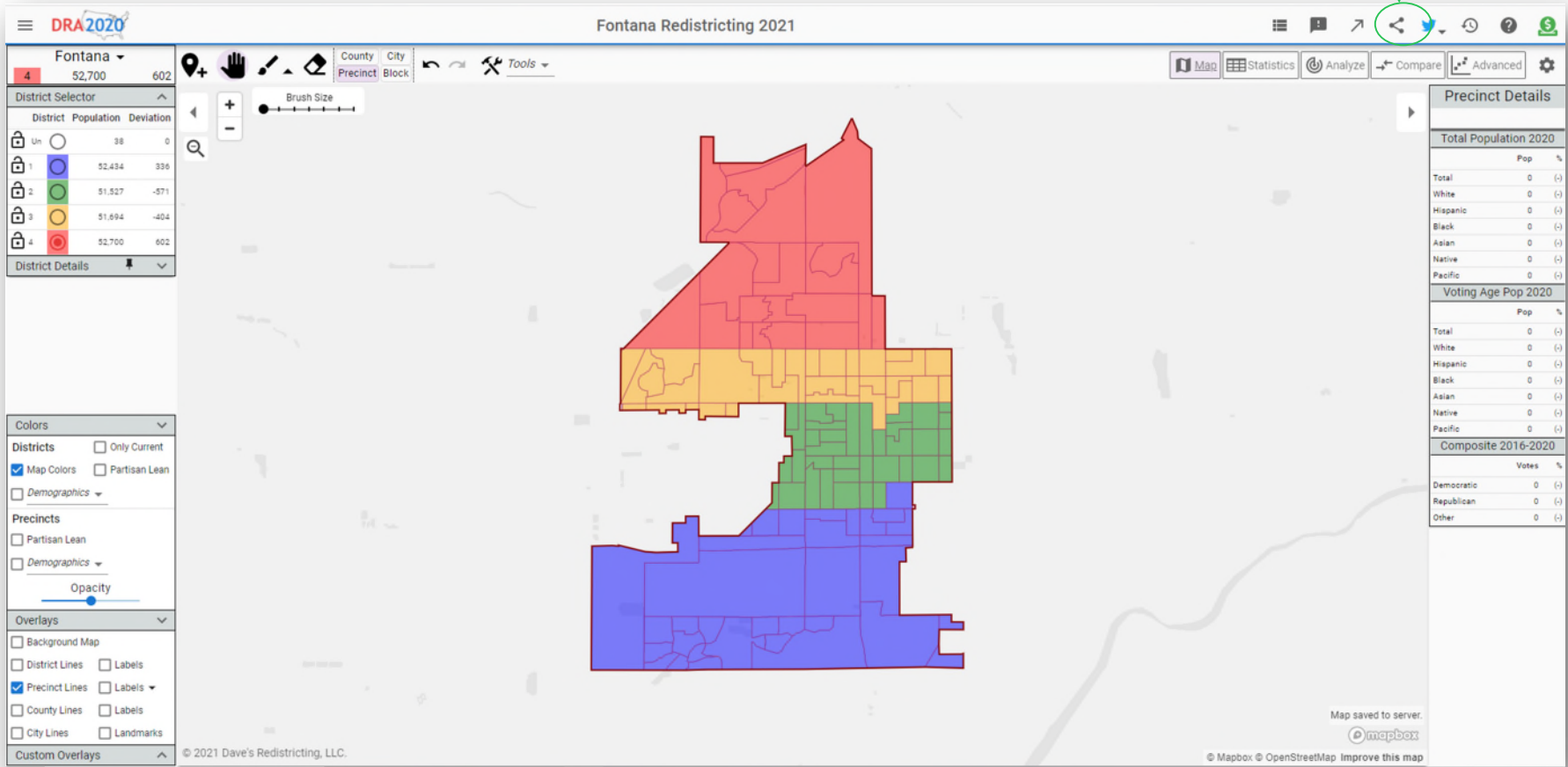
CANCEL PUBLISH

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 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 also share the map directly with your jurisdiction.



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 Fontana's redistricting process is redistricting2021@fontana.org

The screenshot shows the DRA2020 Fontana Redistricting 2021 interface. A 'Share Map' dialog box is open in the center, displaying the URL: <https://davesredistricting.org/join/b65f8917-2efd-4bae-838d-26d90f30d756>. The dialog also includes a 'Copy' button and a 'DISMISS' button. The background interface shows a map of Fontana with redistricting boundaries, a left sidebar with district and precinct details, and a right sidebar with precinct details. A green arrow points to the share icon in the top right corner of the interface.

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	(0)
White	0	(0)
Hispanic	0	(0)
Black	0	(0)
Asian	0	(0)
Native	0	(0)
Pacific	0	(0)

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

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

