# A Short Guide to Dave's Redistricting App (DRA)

Please note that this guide is intended to help the user get started.

DRA has many features not discussed here that the user may want to explore.

Citizens can submit ward plans to the email address: <u>maps@clevelandcitycouncil.org</u>. Deadline: Sunday, November 3 at 11:59 pm.

#### In web browser find "DRA 2020"

#### Sign up or use an existing account if you have one



Once you have an account, select <u>Maps</u> in the upper right corner....



#### Agree to Terms of Use and Privacy and ACCEPT



### If signing up, use your email address and create a password



Once you have an account, select <u>Maps</u> in the upper right corner....

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# Here, I have started a Cleveland ward map so I would just click on it to open a map where I left off.



But when using DRA for the first time you would click on New Map.



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# You will see a window for specifying your map

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In the **Overlays** window, check the streets and city lines layers.



#### **■ DRA2020**

#### C My Cleveland Wards

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The goal is to assign Precincts or Blocks (with their populations) to the 15 wards such that all the wards are within 5% of the average ward population (24,842). Thus between 23,600 and 26, 084).

So, pick Precinct or Block as the building unit for the wards.

When precincts or blocks are assigned to wards the populations are shown in the <u>District Selector</u> window.

The specific precinct or block population data are shown in the <u>Precinct/Block Details</u> window on the right as you hover of areas.

The ward's population changes as you add either precincts or blocks. The "Deviation" should be between  $\pm 1,242$ and -1,242.

Starting with <u>precincts is faster</u>, but then turning to <u>blocks to add or "erase" population</u> produces more specific totals for the wards.

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The paint brush allows you to "paint" over the area of precincts or blocks that you want to add to a specific ward.



Zoom into the area you want to add to that ward...

Select a ward number. ...I started with Ward 1 in the SE part of the city...

and start "brushing the area of blocks to be assigned to the ward....

Note the population being added...

Note the color in the ward corresponds to the color in the table.



Keep adding blocks until the population is between 23,600 and 26,084.

(The "Deviation" in the District Selector window should be between <u>+1,242</u> and <u>-1,242</u>.)

Then move to another area and start building the next ward until you are done.

Or come back to it later to finish.

## Note the <u>Statistics</u> tab.

Seen on the <u>next slide</u>, it shows the population and previous partisan voting results based on the current ward plan you are working on.



<u>Statistics</u>	Notes								🚺 Map 🖽 <u>Statistics</u> ⓓ Analyze → Compare 🛃	iced \Lambda 🚺
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#### It shows the population and previous partisan voting results based on the current ward plan you are working on.

#### Notes

- Precinct Shapes: Census 2020
- Total Population: Census 2020
- Voting Age Population: Census 2020
- Election Result: Composite of 2016 Pres, 2020 Pres, 2016 Sen, 2018 Sen, 2018 Gov, 2018 AG
- Several precincts are unassigned including: 39035018BEW, 39035018BEV, 39035018BGN, 39035018BGM, 39035018BEZ, 39035018BES, 39035018BEB, 39035018BEB, 39035018BED, and 39035018BED.
- Districts 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 15 are empty.

### If you want to stop and return later, log out.

Logging in with your account brings you to the map(s) you previously worked on.



Pick the one you want, and you will be taken to where you last left off.



Once all 15 wards are populated in the appropriate range of populations you should save the map and copy the web link to it...

...and email it to maps@clevelandcitycouncil.org so that it can be viewed and evaluated by the public and Council.

## Make sure you have done the following:

- 1. <u>Completed a plan for the entire city.</u> Incomplete plans cannot be adequately evaluated since adding more wards to it may require changes to what you have created.
- 2. <u>Maps in DRA should be locked</u> so that no one can change them.



- 3. <u>Populations must be within the accepted + or 5% range around the average ward population</u>, i.e., between 23,600 and 26,084.
- 4. <u>Consider racial and Hispanic populations</u>. The federal Voting Rights Act of 1964 requires that where possible, minority populations have the ability to elect a representative of their choice. In Cleveland there are significant numbers of <u>African Americans</u> and <u>Hispanic/Latinos</u> that should have the chance to elect representatives. Other racial or ethnic minorities, though significantly smaller in number in the city, should not be ignored in seeking some representation for them if possible.
- 5. The plan's web link should be sent to the following email address: maps@clevelandcitycouncil.org
- 6. The deadline for submittal is Sunday, November 3 at 11:59 pm.

#### **Resources: Tutorial Videos**

https://www.youtube.com/playlist?list=PL4AsBciFUEivM1isG4XOcB6CZ1wFRbisC

#### Specific: "How to create a map"

https://www.youtube.com/watch?v=SfHFkx7E4Ig&list=PL4AsBciFUEivM1isG4XOcB6CZ1wFRbisC&ind ex=2&ab\_channel=Dave%27sRedistricting

#### **Specific: Local Redistricting**

https://www.youtube.com/watch?v=TGu8jiFltnA&list=PL4AsBciFUEivM1isG4XOcB6CZ1wFRbisC&index =11&ab\_channel=Dave%27sRedistricting

#### Another and good one on Local Redistricting

https://www.youtube.com/watch?v=mfk41dLJIos&ab\_channel=RedistrictingDataHub

#### For more, web search for "Dave's Redistricting App tutorials".

# **Questions and Discussion**