

Agenda Item 3. B.
Redistricting
Software



Mapping Resources



- Community of Interest (COI) - Form and Map
- Census Data for Redistricting
- Esri Redistricting Software
- Links to Resources

A collage of three images related to redistricting. The top image is a "Map Your Community of Interest" form with a map showing Supervisoral Districts 1, 2, and 3. The middle image is a screenshot of the "Communities of Interest" web application, showing a map of Santa Cruz County with a highlighted area. The bottom image is a screenshot of the "Decennial Census P.L. 94-171 Redistricting Data" web application, showing a map with colored regions and a data table below it.

NAME	TOTAL	WHITE	BLACK	ASIAN	HISPANIC	OTHER	POPULATION
1	100,000	80,000	10,000	5,000	5,000	15,000	100,000
2	100,000	75,000	15,000	5,000	5,000	10,000	100,000
3	100,000	60,000	20,000	5,000	10,000	5,000	100,000

Decennial Census P.L. 94-171 Redistricting Data



Community of Interest - Form and Map



Communities of Interest - Santa Cruz County, CA

A survey form for use in Santa Cruz County, CA Redistricting and mapping of Communities of Interest



Your Name

Your Address

*Your Phone Number

*Your Email

Give Your Community A Name:

Tell Us About Your Community

What are your shared interests? What brings you together? What is important to you and your community? What issues matter?

Tell Us About Your Place

Are there nearby areas you want to be with? Are there nearby areas you don't want to be with? Why and why not? What are the streets or major geographic boundaries that physically site your community?

More About Your Story

Is there anything else you can tell us about your community?

Map Your Community of Interest

Zoom to the region of Santa Cruz County you'd like to map then click the tool in the upper right corner of the map. Use a single click to start drawing and a single click to draw your community outline. Use a double click to complete your mapping. After double clicking to complete, you'll be shown tools on the map to adjust your boundaries or to delete the shape and start over.



Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS | County of Santa Cruz | Powered by Esri

No geometry captured yet.

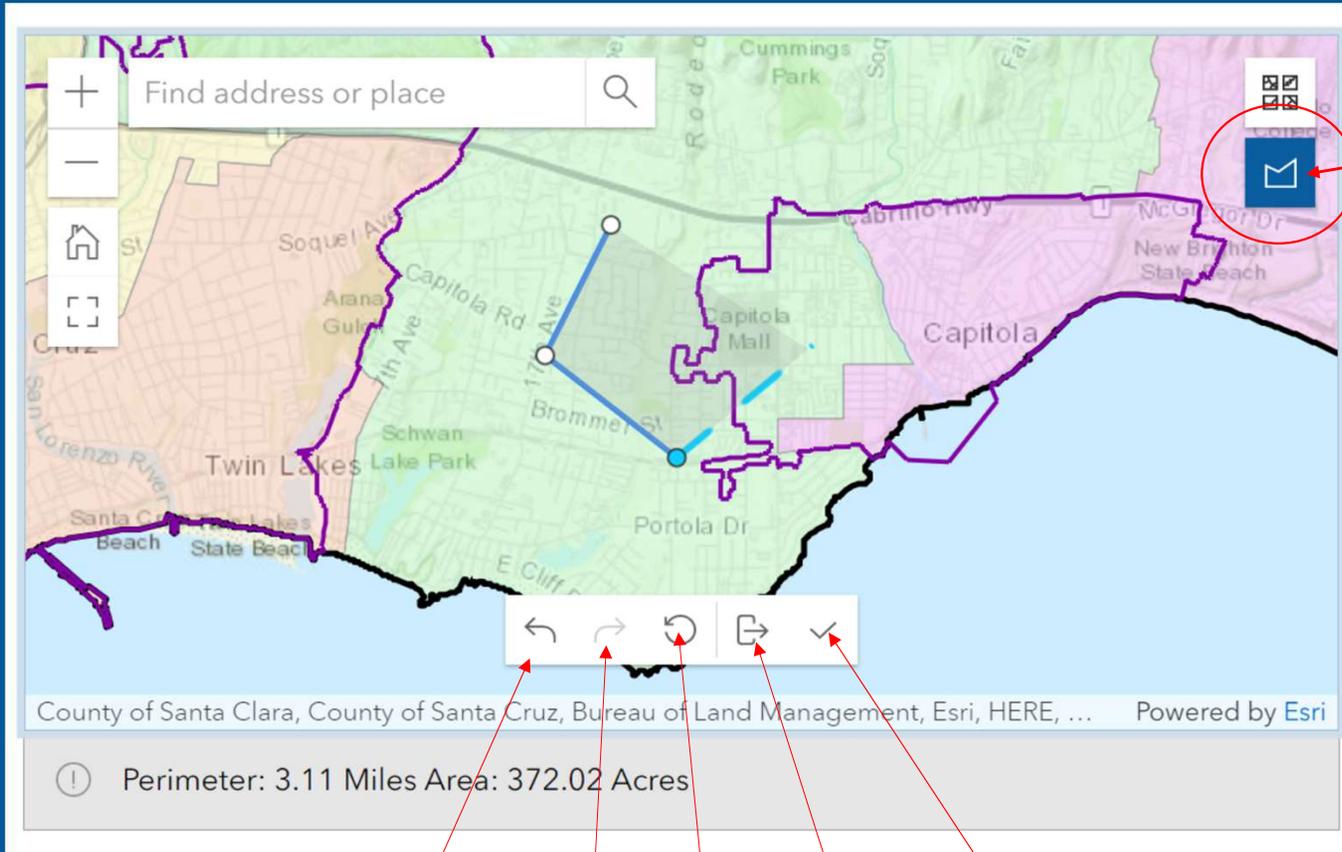
Submit

Map your Community of Interest



Zoom in
Zoom Out

Home
Large Map



Basemap

Start Drawing
Click on Draw Button
then click on the map
and start drawing your
shape. Then double
click to end.

Undo Redo Rest Cancel Finish

Map your Community of Interest



Find address or place

Perimeter: 3.13 Miles Area: 383.9 Acres

Submit

Find address or place

Perimeter: 1.53 Miles Area: 50.1 Acres

Submit

The Edit tool will allow you to make adjustments to the boundary if needed, then when you are happy click the submit button to complete the form and mapping.

Community of Interest Map



The COI Surveys are combined into the Communities of Interest Map.

The screenshot shows a web-based map interface titled 'Communities of Interest' for Santa Cruz County. The map displays five supervisory districts: District 1, District 2, District 3, District 4, and District 5. Several areas are highlighted in light blue, representing Communities of Interest (COI). These include Scotts Valley, The Everstuck, and Aptos Hills. A legend on the right side of the map identifies the blue shaded areas as 'Communities of Interest' and the blue outlines as 'Supervisory District'. Below the map, there is a search bar and a list of COI entries. The 'Aptos Hills' entry is selected, and its details are displayed in a table below. The table has four columns: 'Give Your Community A Name', 'Tell Us About Your Community', 'Tell Us About Your Place', and 'More About Your Story'. The 'Aptos Hills' entry is the only one shown in the list.

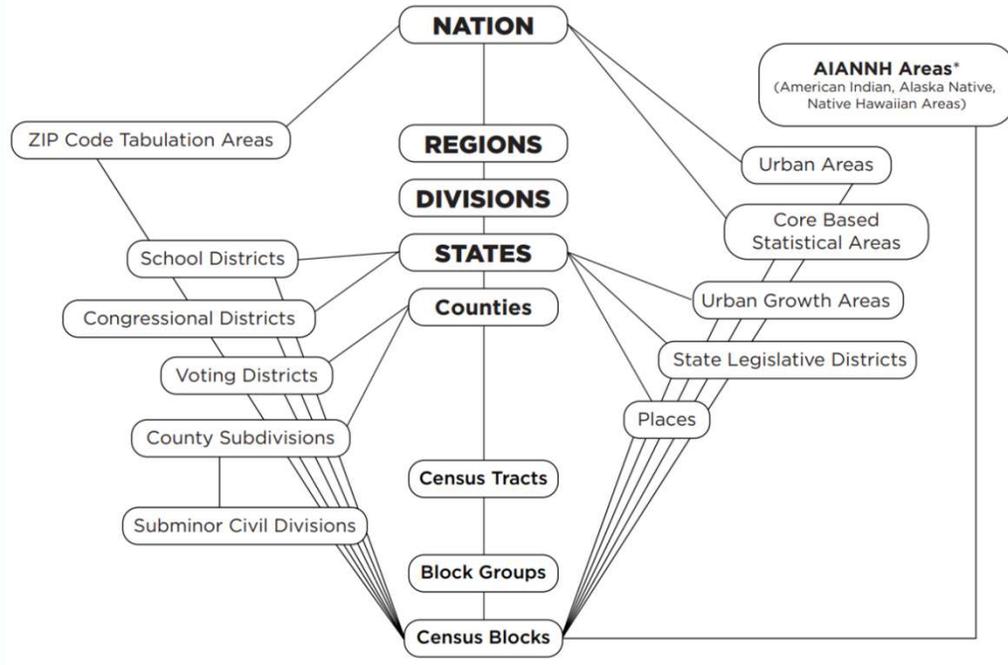
Give Your Community A Name:	Tell Us About Your Community	Tell Us About Your Place	More About Your Story
Aptos Hills	This is a rural community with pockets of residential development among the forested Santa Cruz Mountains. Nisene Marks State Park is adjacent, and scattered areas of agricultural production exist, mostly orchards and vineyards. There is a wide range of economic status that includes multi-million dollar homes with ocean views that are second homes or short-term rentals, and also very simple homes from the post-logging era that provide homes for retired people as well as low-income workers	Aptos Hills should be separate from the urbanized Seacliff and Rio del Mar communities because those areas have little in common with rural dwellers. My community is defined by the Aptos Creek Canyon but also the ridgetops on either side, and are connected with adjacent rural communities of the Trout Gulch and Valencia Canyons. We share in common the two PG&E high voltage transmission lines running through our communities that have been the source of wildland fires in recent history. We are in the	All rural roads are in shambles and need resurfacing, with new drainage culverts. Valencia Road culvert failure in 2017 was a harbinger of things to come for the Aptos Hills where there are large metal culverts under the roadways. Roadside brush clearing programs have stopped happening, so the roadways are narrower, with corners made blind by encroaching vegetation. Bicycling on these roadways is hazardous because of increased traffic, faster traffic, and vegetation that encroaches into the roadway. There are

Census Data

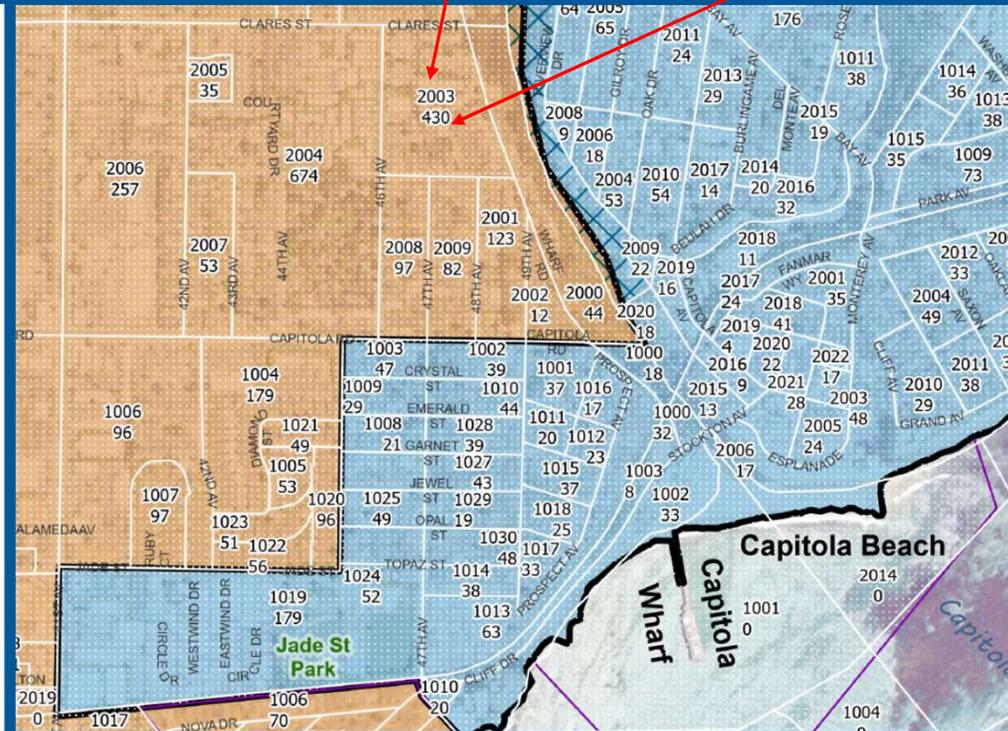


Census Geography

Standard Hierarchy of Census Geographic Entities



Census Blocks (block number - population)



Data for Redistricting



2020 Census State Redistricting Data (Public Law 94-171) Summary Files

Race

Hispanic or Latino, and Not Hispanic or Latino by Race

Race for 18 Years and Over

Hispanic or Latino, and Not Hispanic or Latino by Race for 18 Years and Over

Group Quarters Population by Type

Occupancy Status

Other Sources of Data

Communities of Interest

Jurisdictional boundaries (Cities, Census Designated Places, Fire, Water, etc.)

Voter Registration and Statement of Vote on 2020 Census Blocks (Statewide Database)

Citizen Voting Age Population on 2020 Census Block geography (Statewide Database)

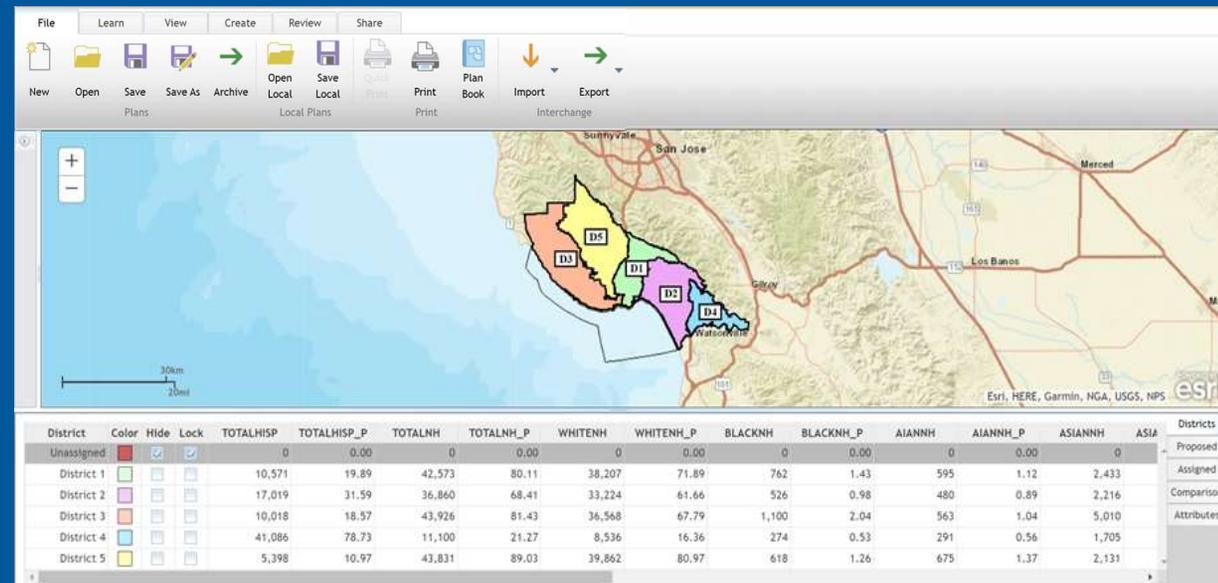
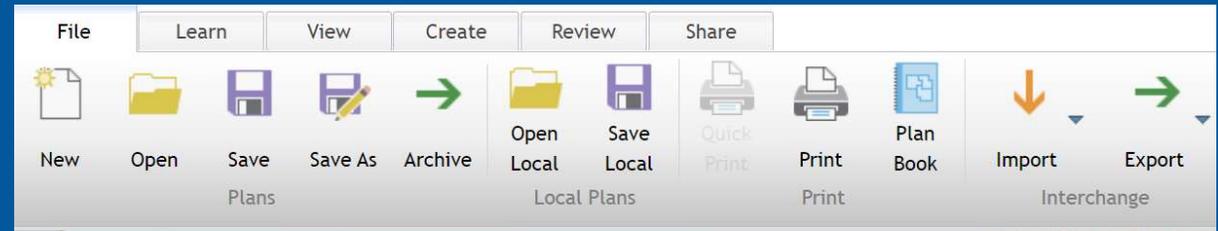
Esri Redistricting Software



Esri Redistricting is a web-based software that enables the Redistricting Commission and citizens to complete and share regulation-compliant redistricting plans.

Esri Redistricting supports:

- Plan Creation
- Reporting
- Thematic Mapping



Esri Redistricting Software



✓ Plan Creation

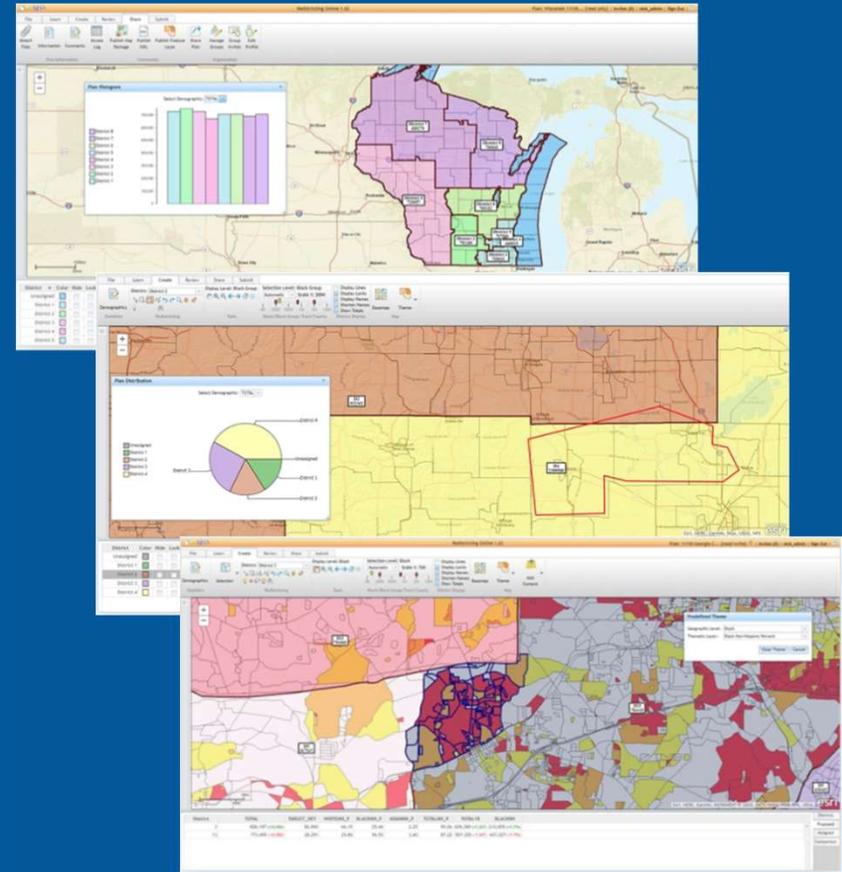
Follow a step-by-step workflow to create, edit, view, and share your redistricting plans. Esri Redistricting is map-centric and easy to use. It will usher you through the process.

✓ Reporting

Run, print, and share predefined reports to summarize data and compare potential plans. Create custom reports using any available variable that matters to your organization and your constituents.

✓ Thematic maps

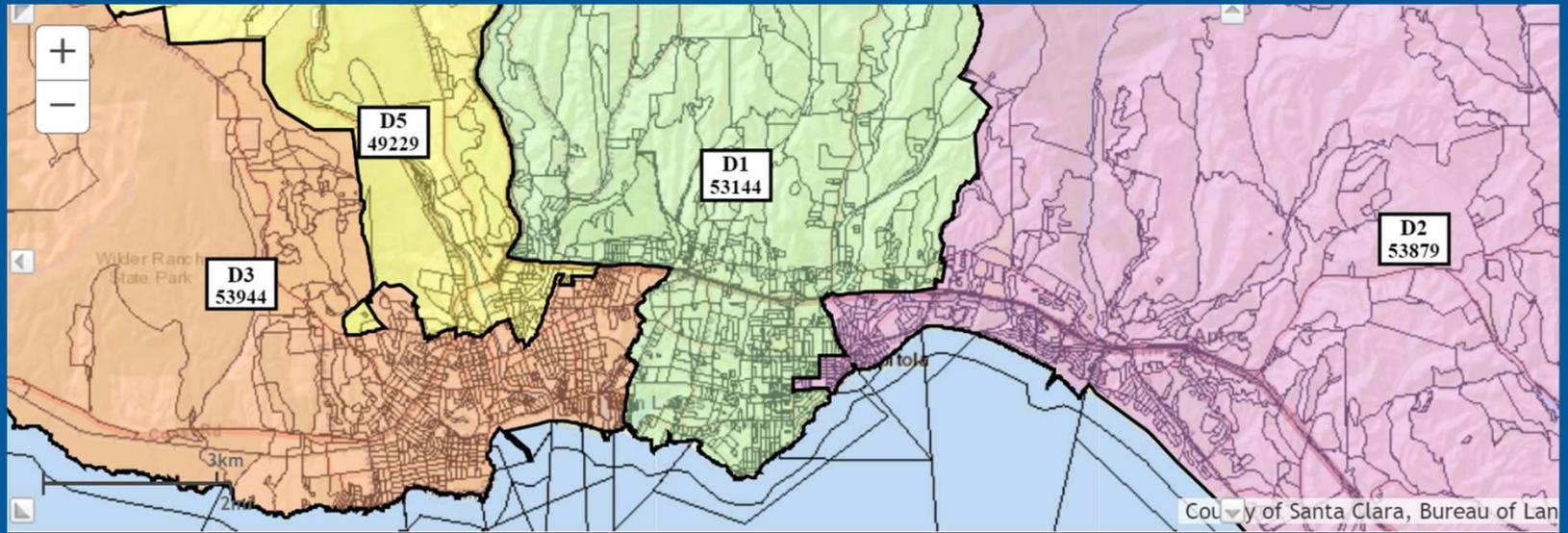
Create thematic maps using rich, authoritative data provided by Esri, including US Census data. Print and share your maps to better communicate your plans and differentiate between alternatives.



Esri Redistricting Software



The totals for various demographic categories are summarized by district.



District	Color	Hide	Lock	TOTALHISP	TOTALHISP_P	TOTALNH	TOTALNH_P	WHITENH	WHITENH_P	BLACKNH
Unassigned	Red	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0	0.00	0	0.00	0	0.00	0
District 1	Green	<input type="checkbox"/>	<input type="checkbox"/>	10,571	19.89	42,573	80.11	38,207	71.89	762
District 2	Purple	<input type="checkbox"/>	<input type="checkbox"/>	17,019	31.59	36,860	68.41	33,224	61.66	526
District 3	Orange	<input type="checkbox"/>	<input type="checkbox"/>	10,018	18.57	43,926	81.43	36,568	67.79	1,100
District 4	Light Blue	<input type="checkbox"/>	<input type="checkbox"/>	41,086	78.73	11,100	21.27	8,536	16.36	274
District 5	Yellow	<input type="checkbox"/>	<input type="checkbox"/>	5,208	10.07	43,824	80.03	38,862	80.07	448



Links

Community Of Interest

<http://www.co.santa-cruz.ca.us/Redistricting2021/Outreach/CommunitiesofInterestForm.aspx>

Census Data / Statewide Database

<https://statewidedatabase.org/>

Esri Redistricting Solution

- <https://www.esri.com/en-us/arcgis/products/esri-redistricting/overview>
- [Link to software video](#)

Agenda Item 3.C Census Data for Redistricting (Official)



California adjusted population =271,353 (includes reallocated incarcerated persons)

District	Total Population	Target Population	Over - Under	Percent Over - Under	Hispanic or Latino	Not Hispanic or Latino
District 1	54,148	54,270.6	-122.6	-0.23	11,916	42,232
District 2	54,718	54,270.6	447.4	0.82	19,008	35,710
District 3	56,395	54,270.6	2,124.4	3.91	13,403	42,992
District 4	53,900	54,270.6	-370.6	-0.68	43,195	10,705
District 5	52,192	54,270.6	-2,078.6	-3.83	7,045	45,147

Timeline:

September 20, 2021: California's *Official* Redistricting Database was released.

September 24: We will have the official data loaded into the Esri Redistricting software.

Week of September 27th: Training for Commissioners on Esri Redistricting software.

Opportunity for Commissioner Discussion