Oregon Redistricting: Online Application

https://oregon-redistricting.esriemcs.com/redistricting/

Presentation prepared by LPRO, January 2021
ESRI Redistricting Online, Version 2.28

Official help guide:
https://doc.arcgis.com/en/redistricting/get-started/what-is-esri-redistricting-online.htm

Oregon Redistricting

Esri Redistricting Online Assists State And Local Governments, Advocacy Groups, And The General Public In Drawing Legislative And Congressional Redistricting Plans Following The 2020 U.S. Census.

Learn More About Esri Redistricting

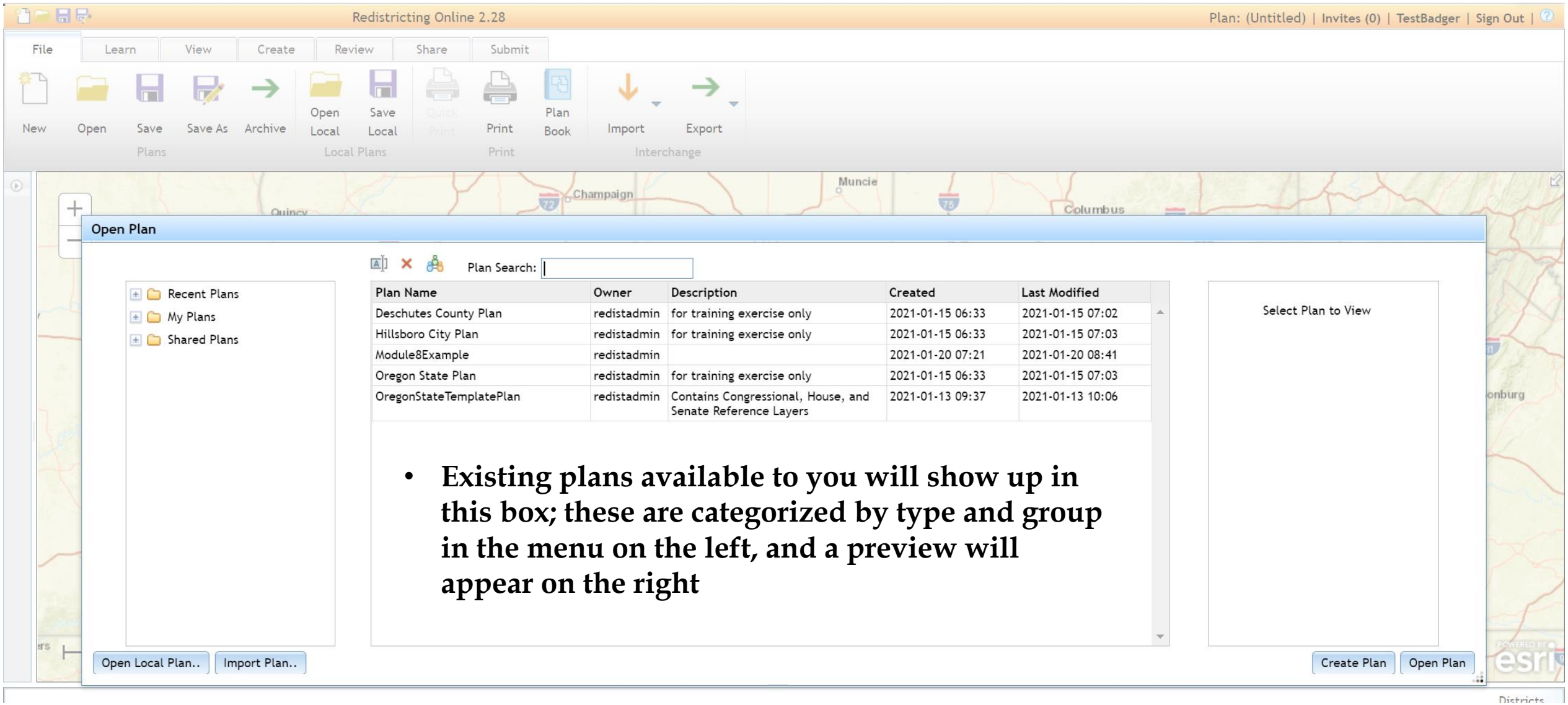
Sign in To Portal for ArcGIS

Please login with your Portal for ArcGIS Account.

Create an account

Forgot Your Password?

Opening Screen



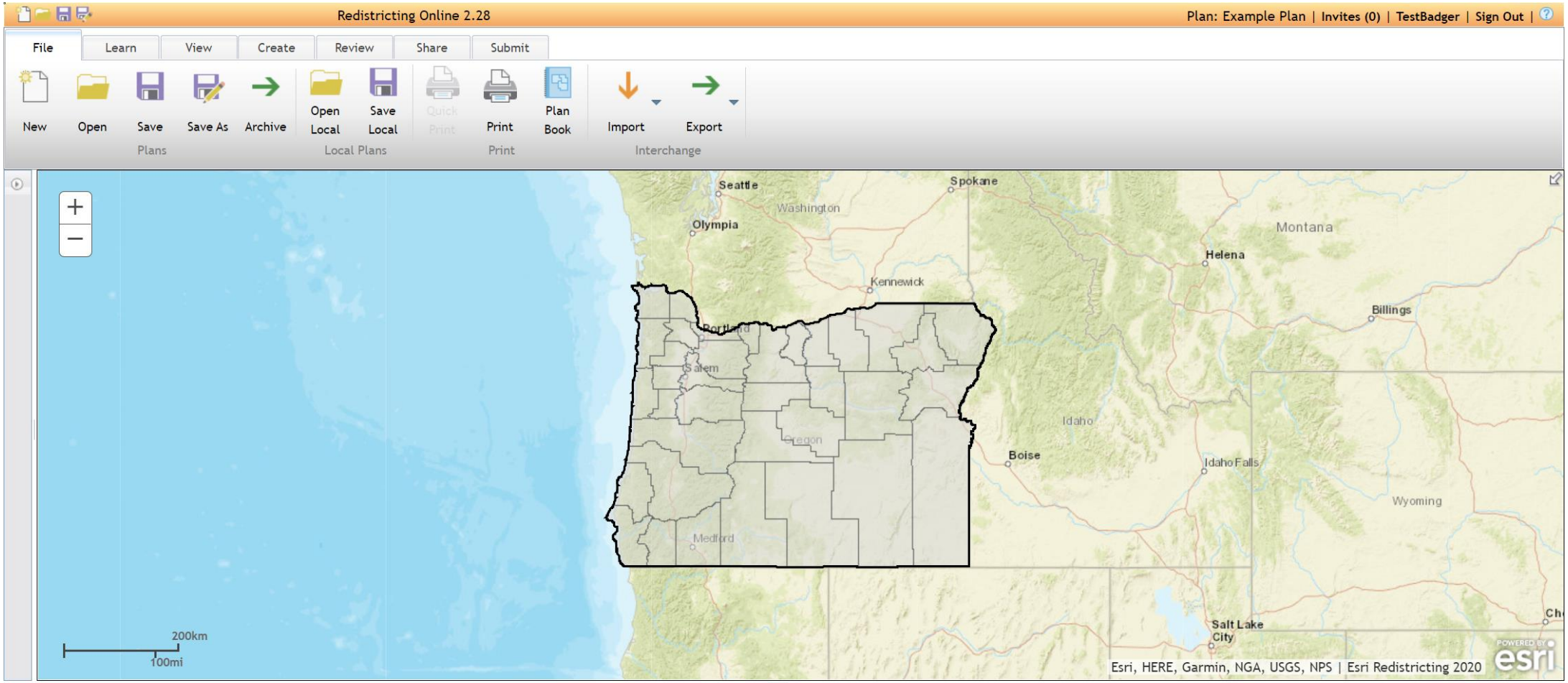
- **Existing plans available to you will show up in this box; these are categorized by type and group in the menu on the left, and a preview will appear on the right**

User Interface

Menu Bar >
Tools and reports accessible through tabs

Map View >
Most work will be done in the map section

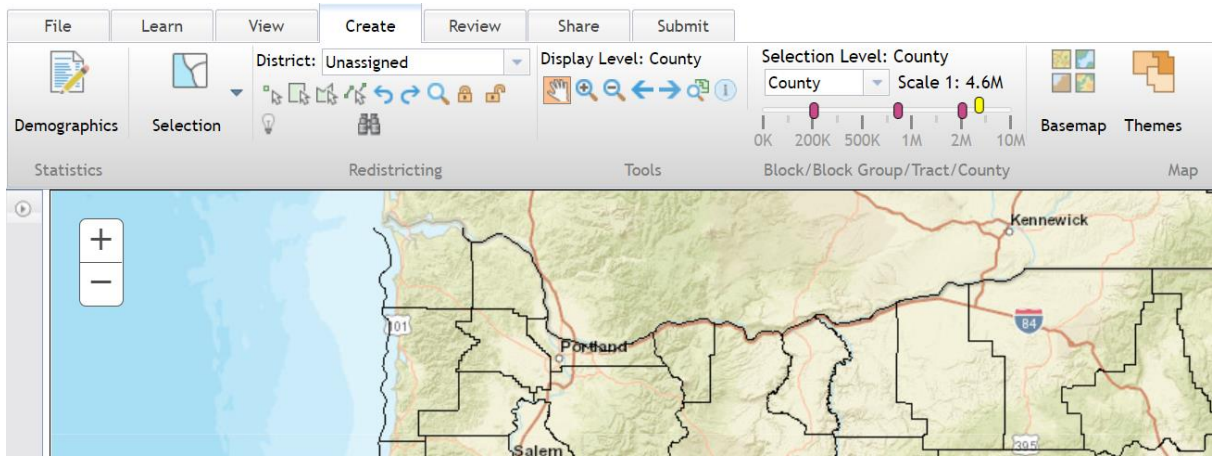
Attribute Table >
Choose variables when setting up a plan, and track changes as you build your plan

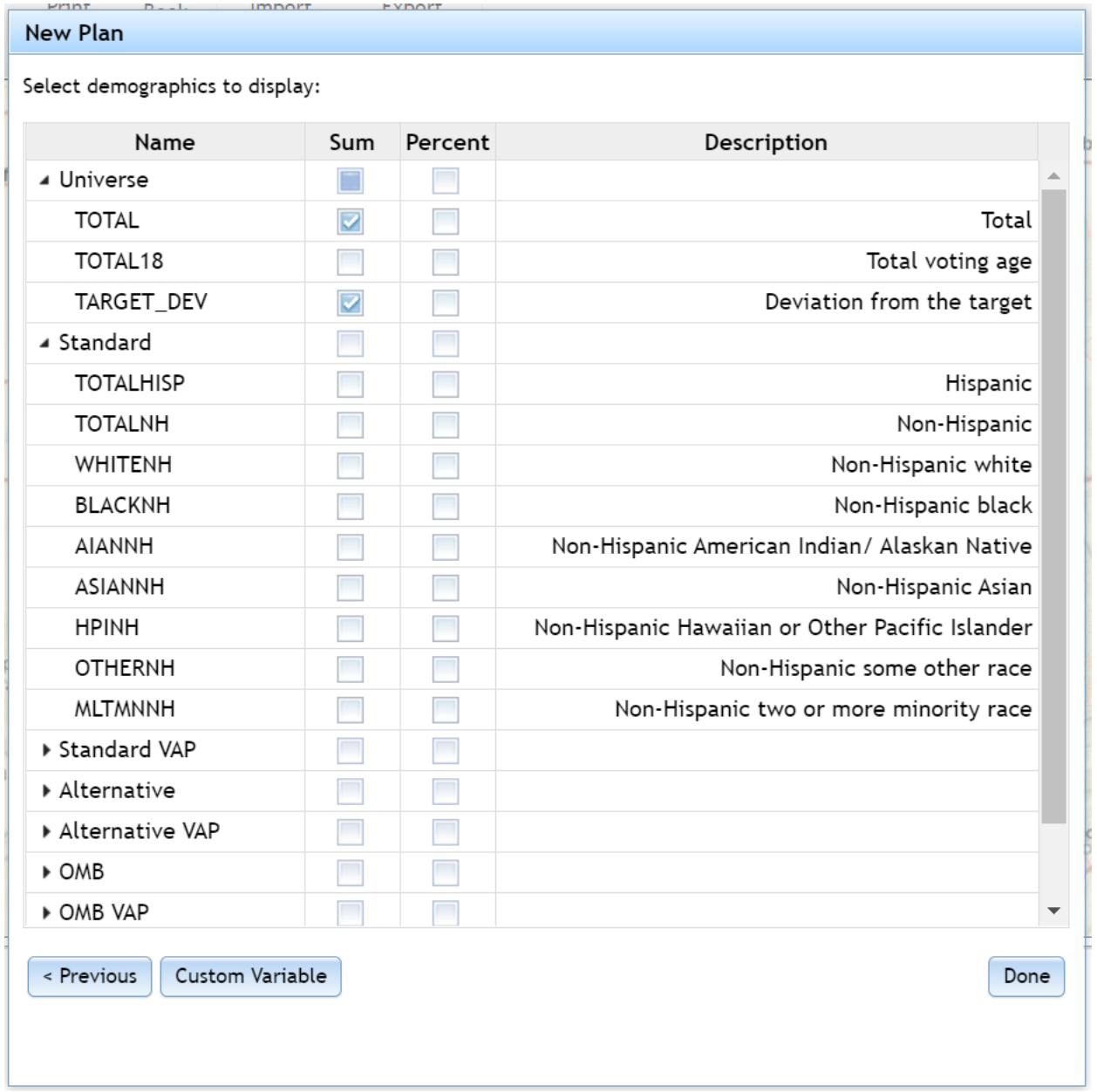


District	Color	Hide	Lock	TOTAL	TARGET_DEV	TARGET_DEV_P	TOTALHISP_P	TOTALNH_P	WHITENH_P	BLACKNH_P	AIANNH_P	ASIANNH_P	HPINH_P	OTHERNH_P	MLTMNNH_
Unassigned				3,831,074	3,831,074	100.00	11.75	88.25	78.46	2.15	2.14	4.44	0.44	0.19	0.
District 1				0	-1,277,025	-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.
District 2				0	-1,277,025	-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.
District 3				0	-1,277,025	-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.

Data Variables and Geography Levels

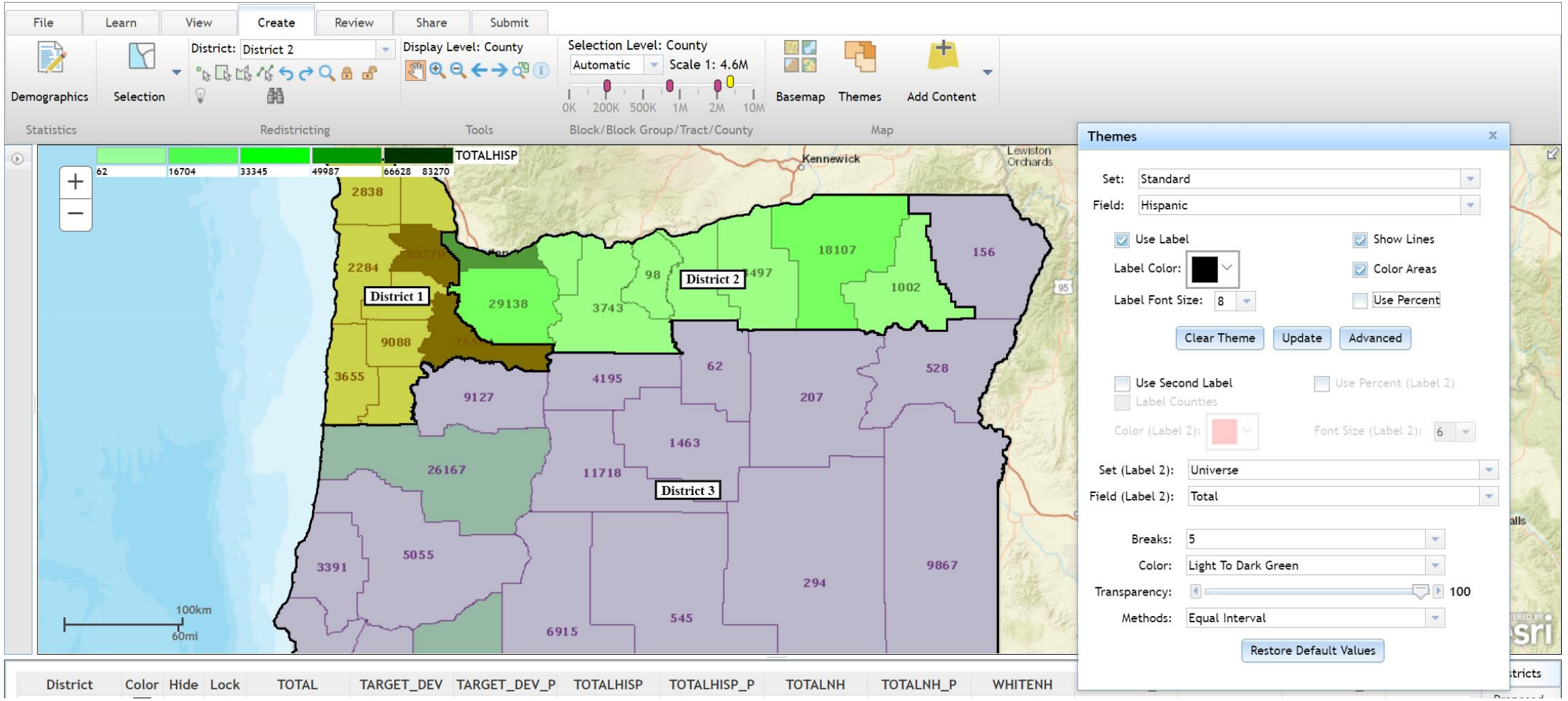
- Demographic variables available from Census 2000 and 2010
  - 2020 will be added once available
  - Total numbers along with percentages can be shown
  - Adjustable any time during the process
- Different geographic levels show up at different zoom levels
- Geographic type such as county or block can be chosen as your districts' building blocks





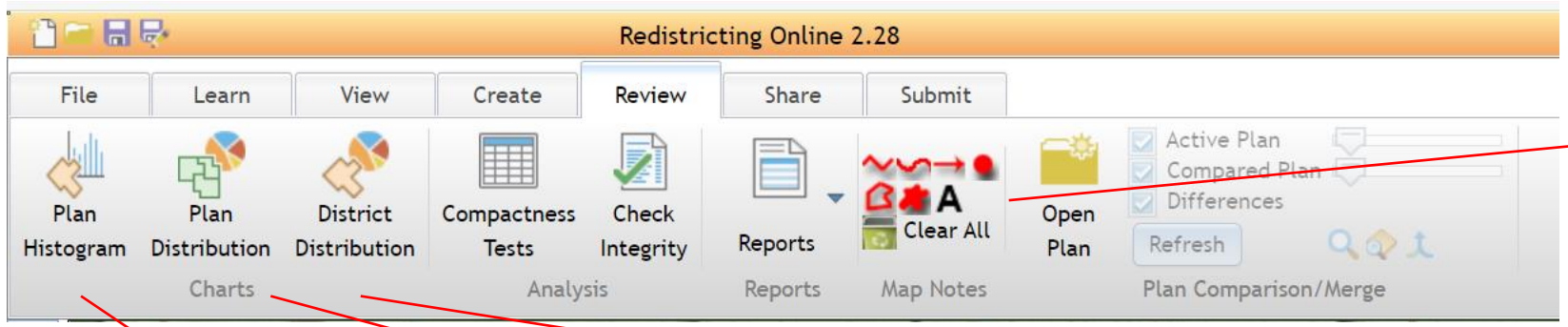
Themes and Showing Data

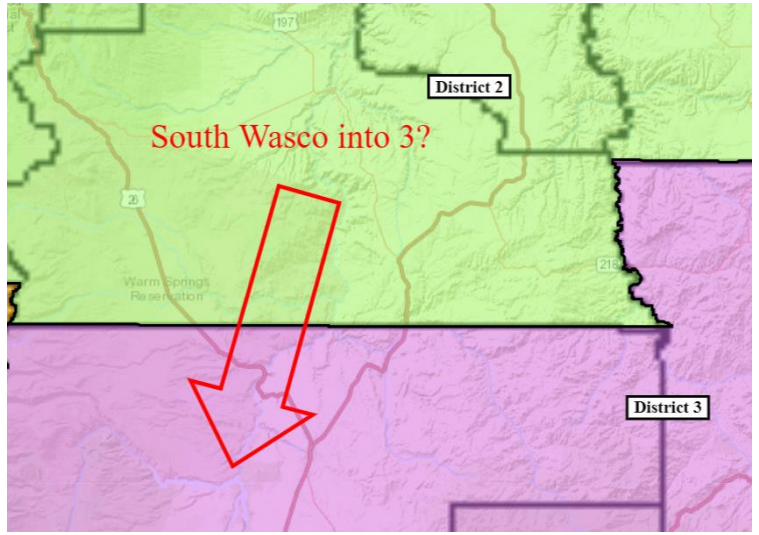
- **Themes** allow you to add the data variables you selected earlier to your map
- Allows you to visually represent where population totals or groups are
- Can label geographies with the numbers to help with your work

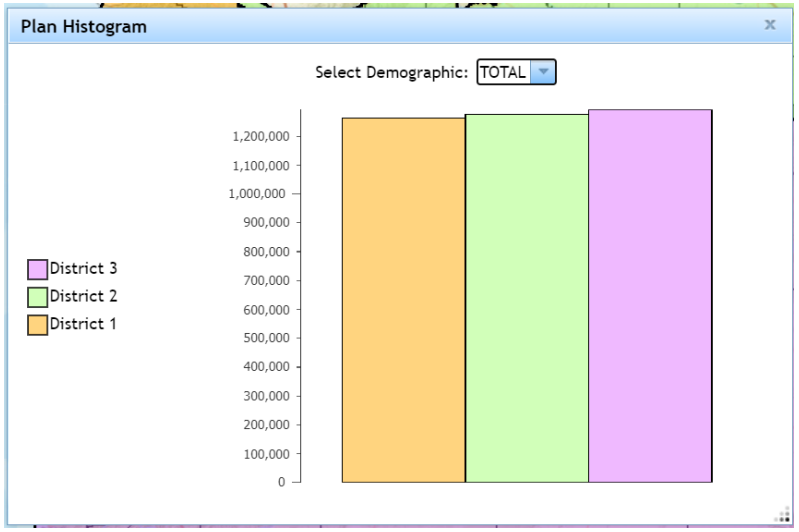


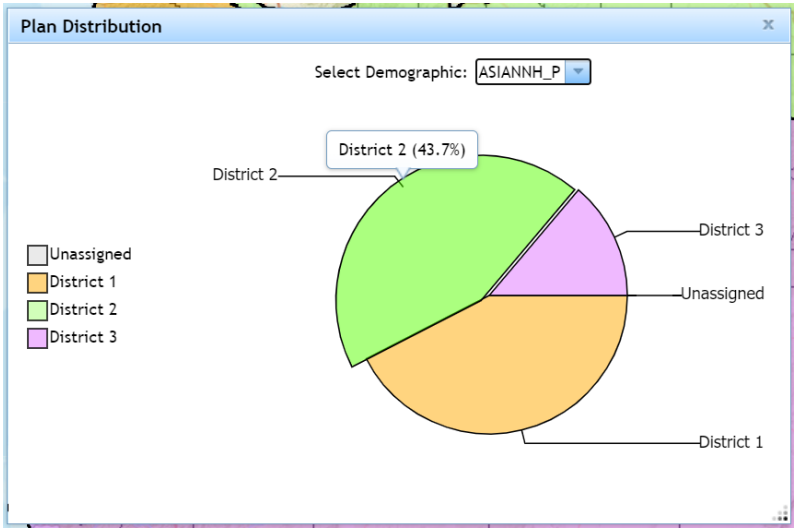
Charts and Notes

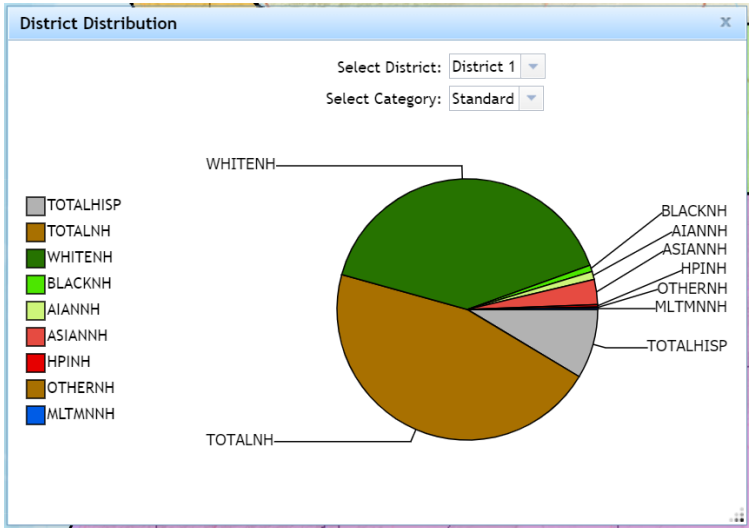
- **The review tab allows you to summarize data in graphical form, verify the plan meets certain criteria, generate reports, add notes, and compare one plan to another.**





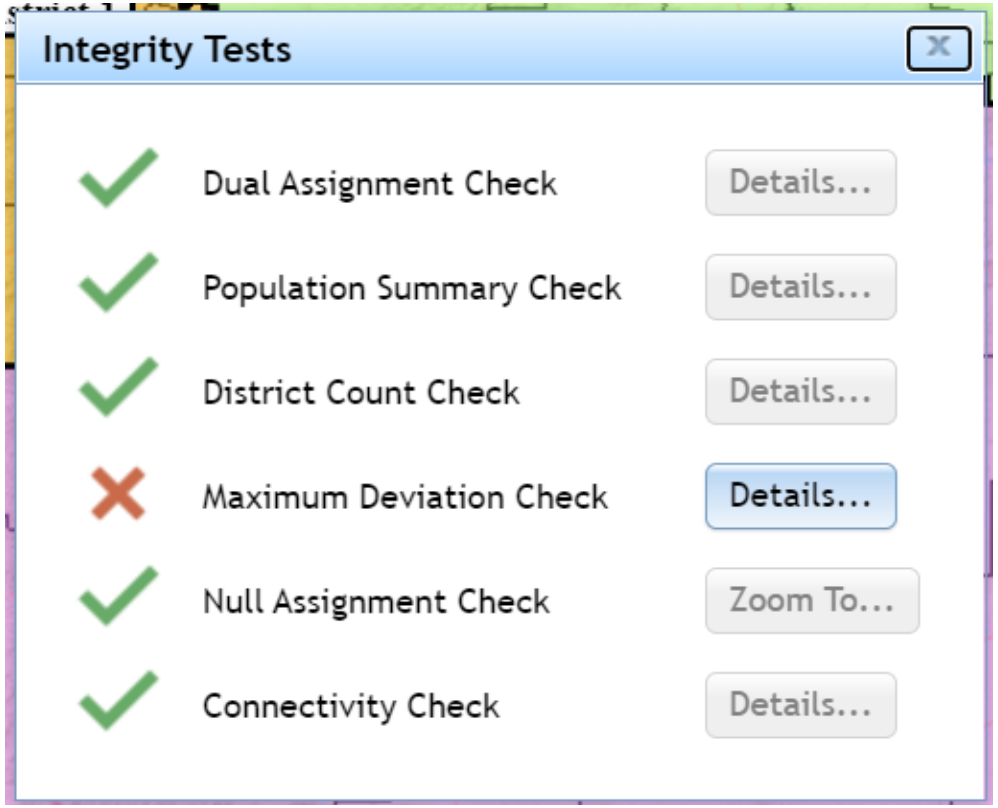




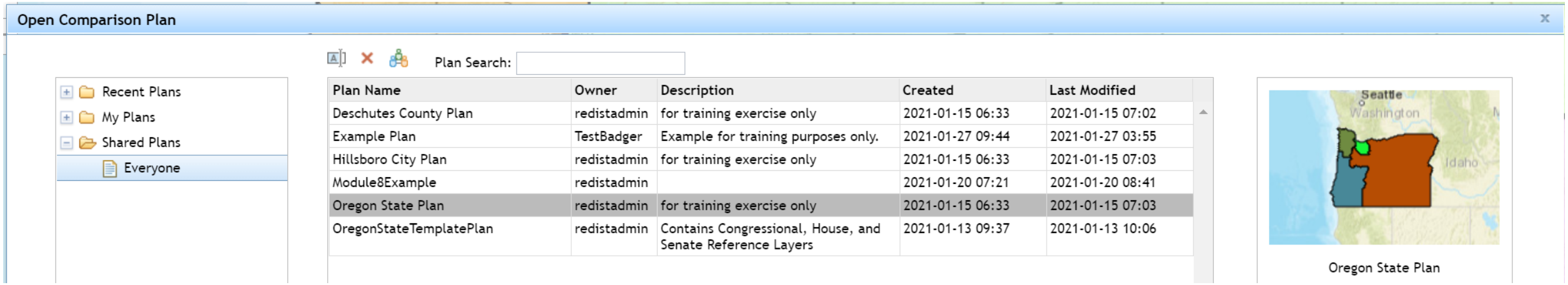


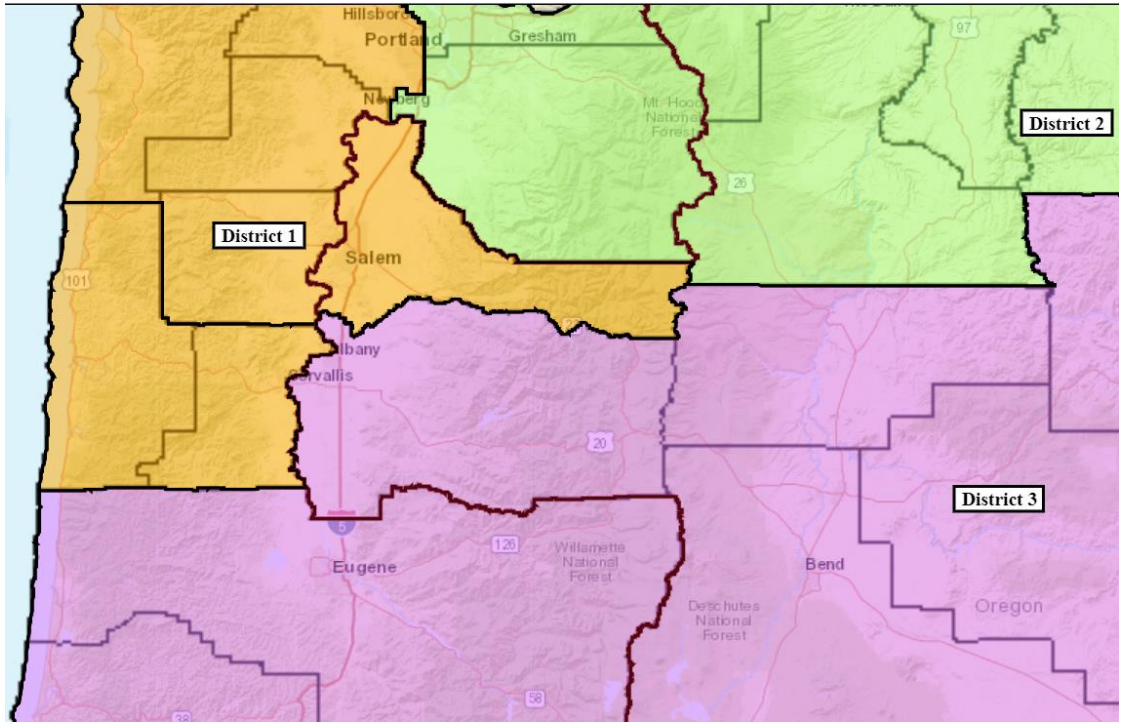
Integrity Tests and Legal Criteria

- Integrity checks verify criteria are being met
- Failure on any criteria prohibits submission of a map, but failures can be rectified
- Ensures:
  - All locations are assigned to districts
  - Population counts add up correctly
  - District contiguity

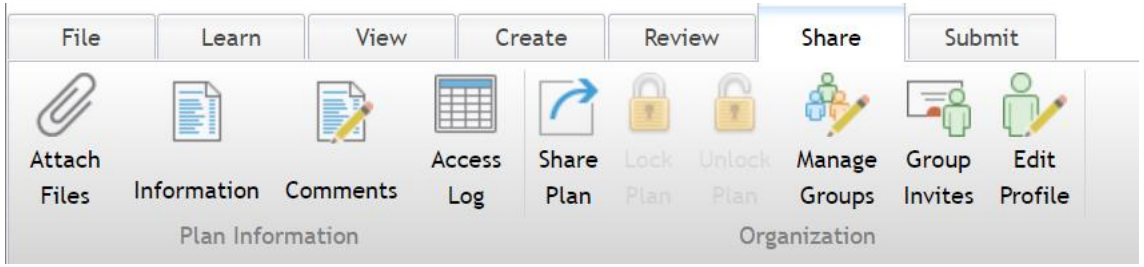


Sharing and Comparing Plans



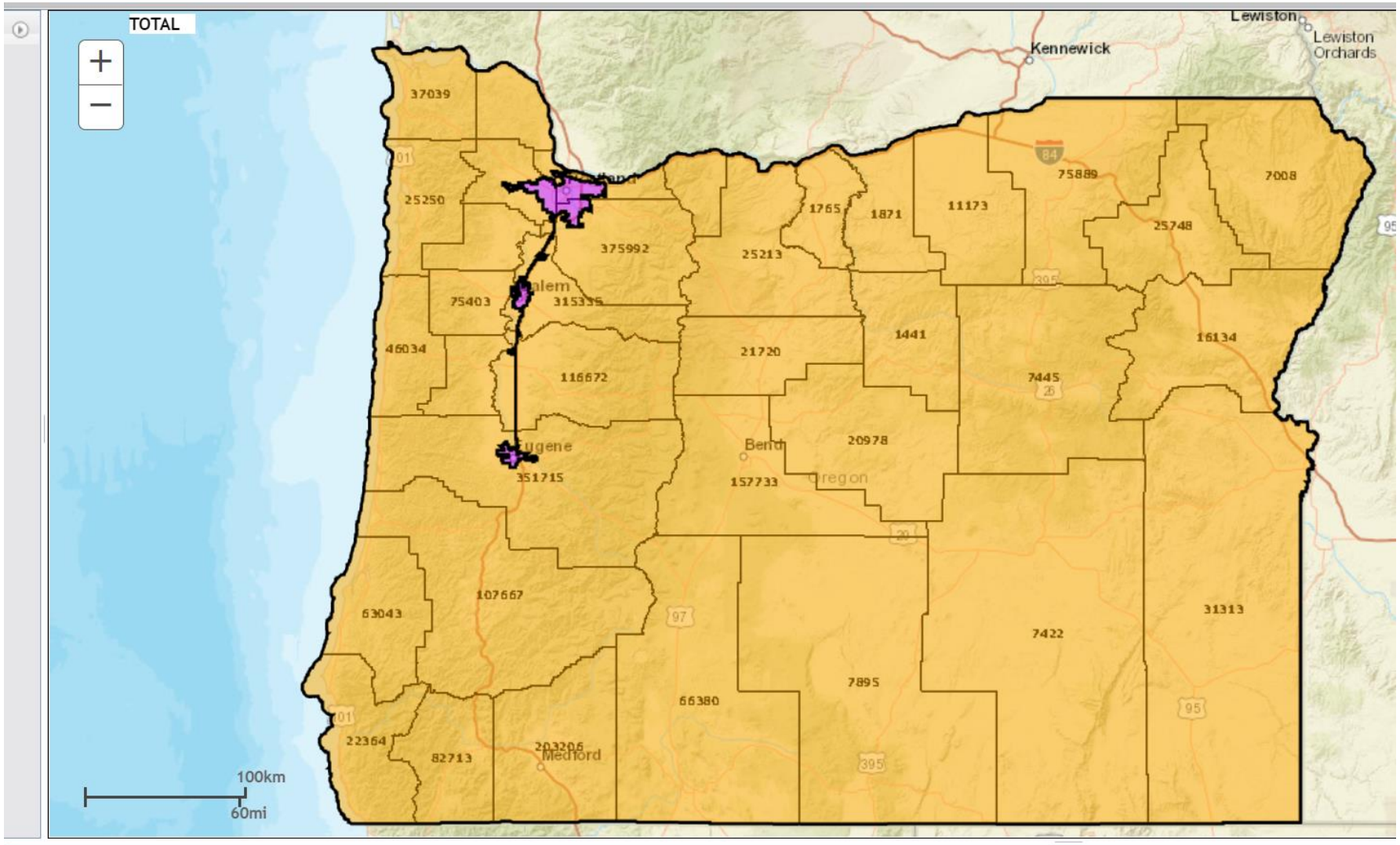


- Plans can be shared publicly, to groups, or specific users
- Can export mapping and image files
- Plans can be compared with others available to you
  - Any plan publicly shared
  - Limited graphical interface, however



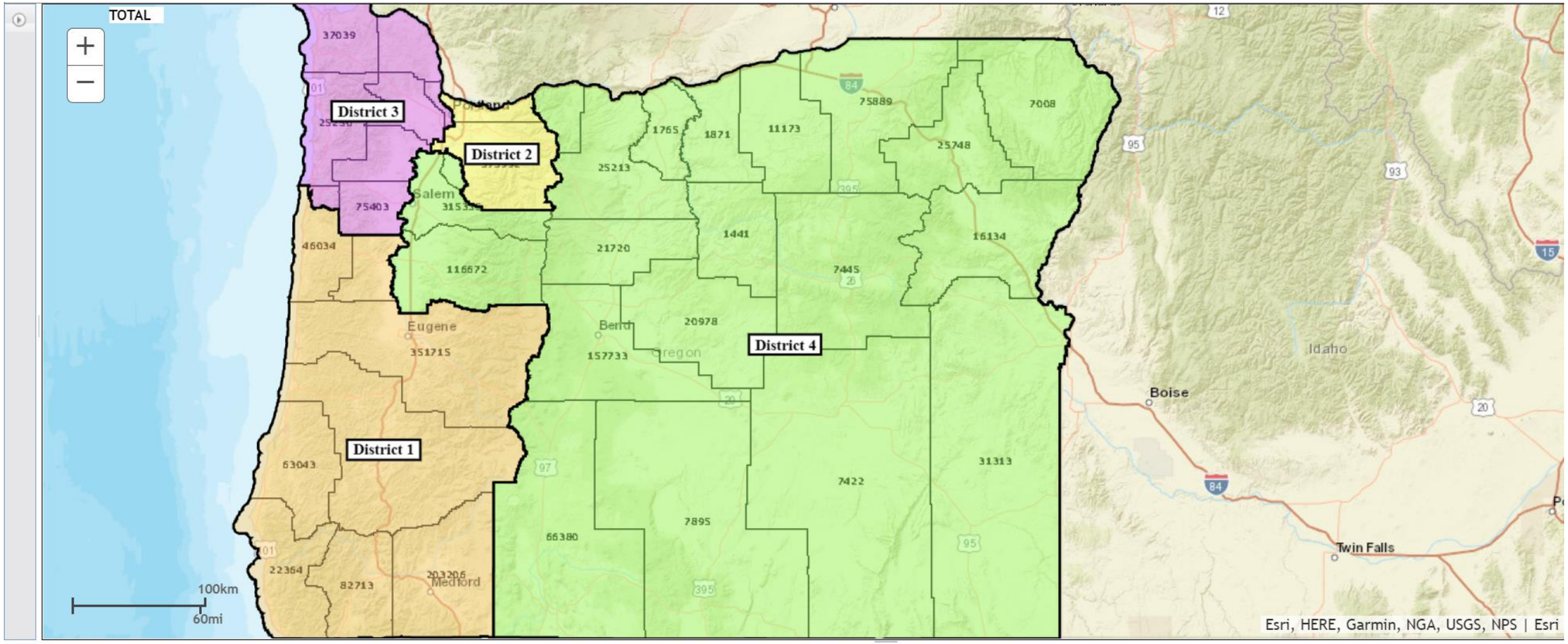
Example: 50/50 Population Distribution

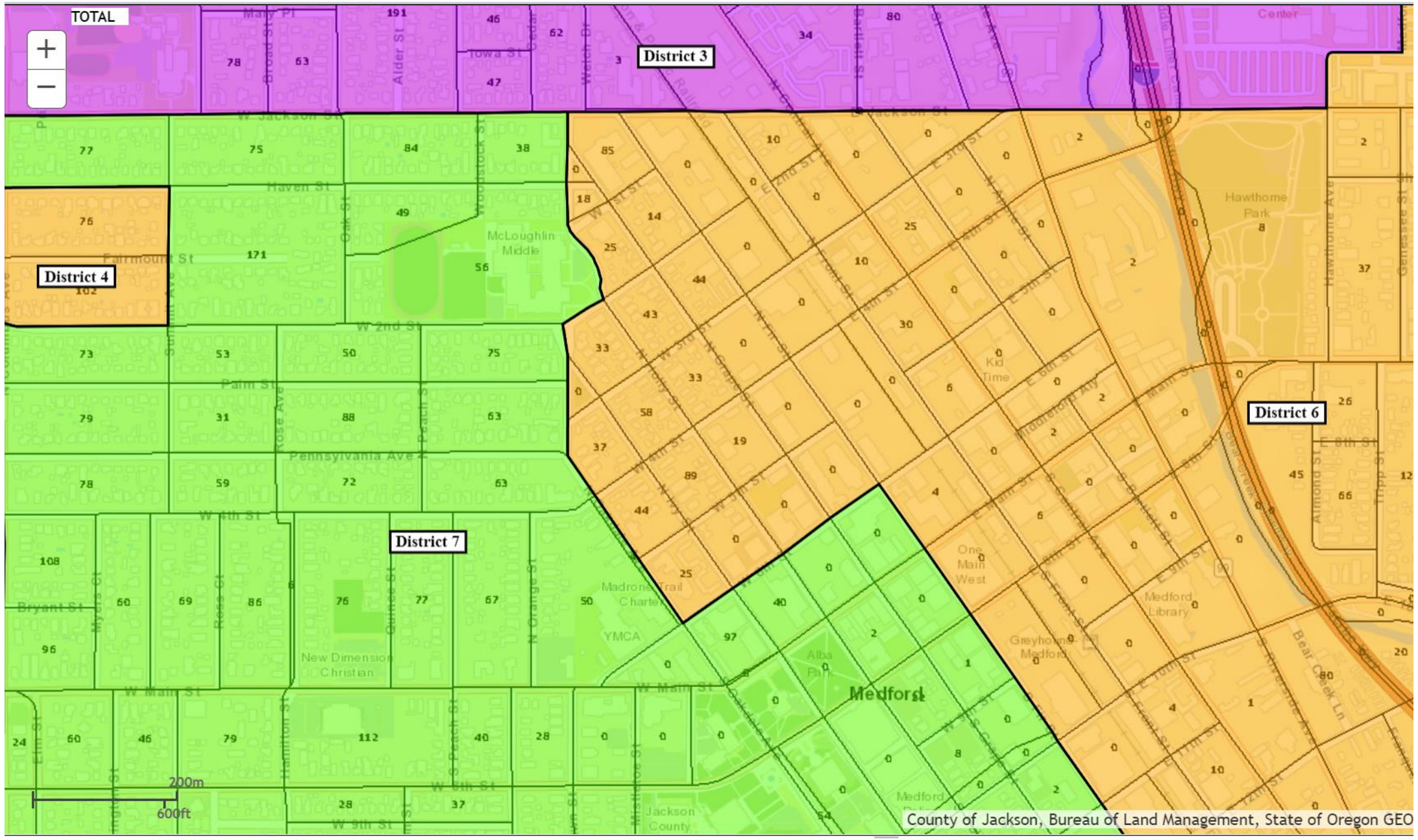
- Redistricting tools as geographic and Census education
- Population distribution not even across the state
- 50% of Oregon's 2010 population lives in the purple area, while 50% lives in the orange area
- This map was created using 2010 Census blocks, the smallest geographic unit of data available



District	Color	Hide	Lock	TOTAL	TARGET_DEV
Unassigned				0	0
District 1				1,915,537	0
District 2				1,915,537	0

Example: State-Level



District	Color	Hide	Lock	TOTAL	TARGET_DEV
Unassigned				0	0
District 1				957,769	0
District 2				957,768	-1
District 3				957,768	-1
District 4				957,769	0

Example: Block-Level View