

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

Redistricting Online 2.28

Plan: (Untitled) | Invites (0) | TestBadger | Sign Out |

File Learn View Create Review Share Submit

New Open Save Save As Archive Open Local Save Local Quick Print Print Plan Book Import Export

Plans Local Plans Print Interchange

Quincy Champaign Muncie Columbus

Open Plan

Plan Search:

Plan Name	Owner	Description	Created	Last Modified
Deschutes County Plan	redistadmin	for training exercise only	2021-01-15 06:33	2021-01-15 07:02
Hillsboro City Plan	redistadmin	for training exercise only	2021-01-15 06:33	2021-01-15 07:03
Module8Example	redistadmin		2021-01-20 07:21	2021-01-20 08:41
Oregon State Plan	redistadmin	for training exercise only	2021-01-15 06:33	2021-01-15 07:03
OregonStateTemplatePlan	redistadmin	Contains Congressional, House, and Senate Reference Layers	2021-01-13 09:37	2021-01-13 10:06

Select Plan to View

- 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

Recent Plans
My Plans
Shared Plans

Open Local Plan.. Import Plan..

Create Plan Open Plan

POWERED BY esri

Districts

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_P	Districts
Unassigned		<input type="checkbox"/>	<input type="checkbox"/>	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.	Proposed
District 1		<input type="checkbox"/>	<input type="checkbox"/>	0	-1,277,025	-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	Assigned
District 2		<input type="checkbox"/>	<input type="checkbox"/>	0	-1,277,025	-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	Comparison
District 3		<input type="checkbox"/>	<input type="checkbox"/>	0	-1,277,025	-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	Attributes

DATA VARIABLES AND GEOGRAPHY LEVELS

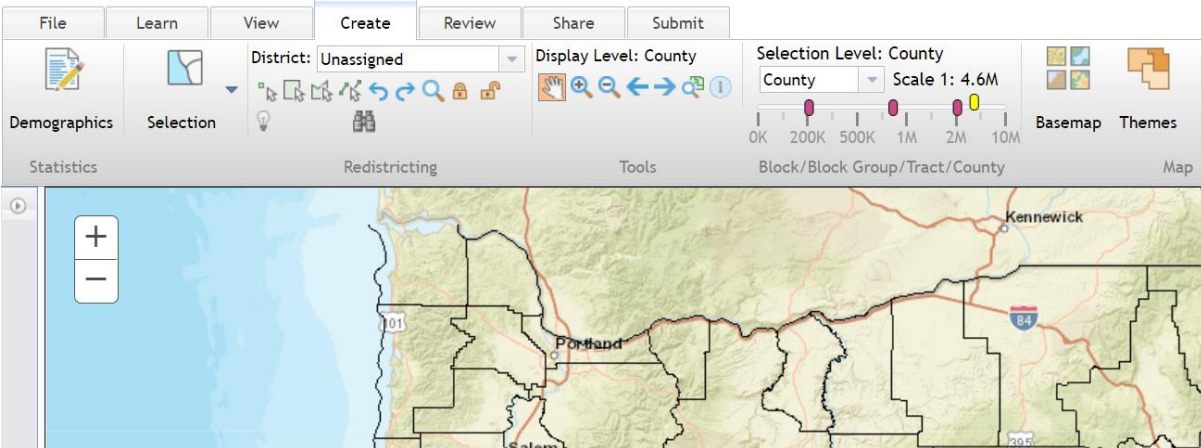
- Demographic variables available from Census 2000 and 2010
 - 2020 will be added once available
 - Total numbers along with percentages can be shown
 - Adjustable any time during the process
- Different geographic levels show up at different zoom levels
- Geographic type such as county or block can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

New Plan

Select demographics to display:

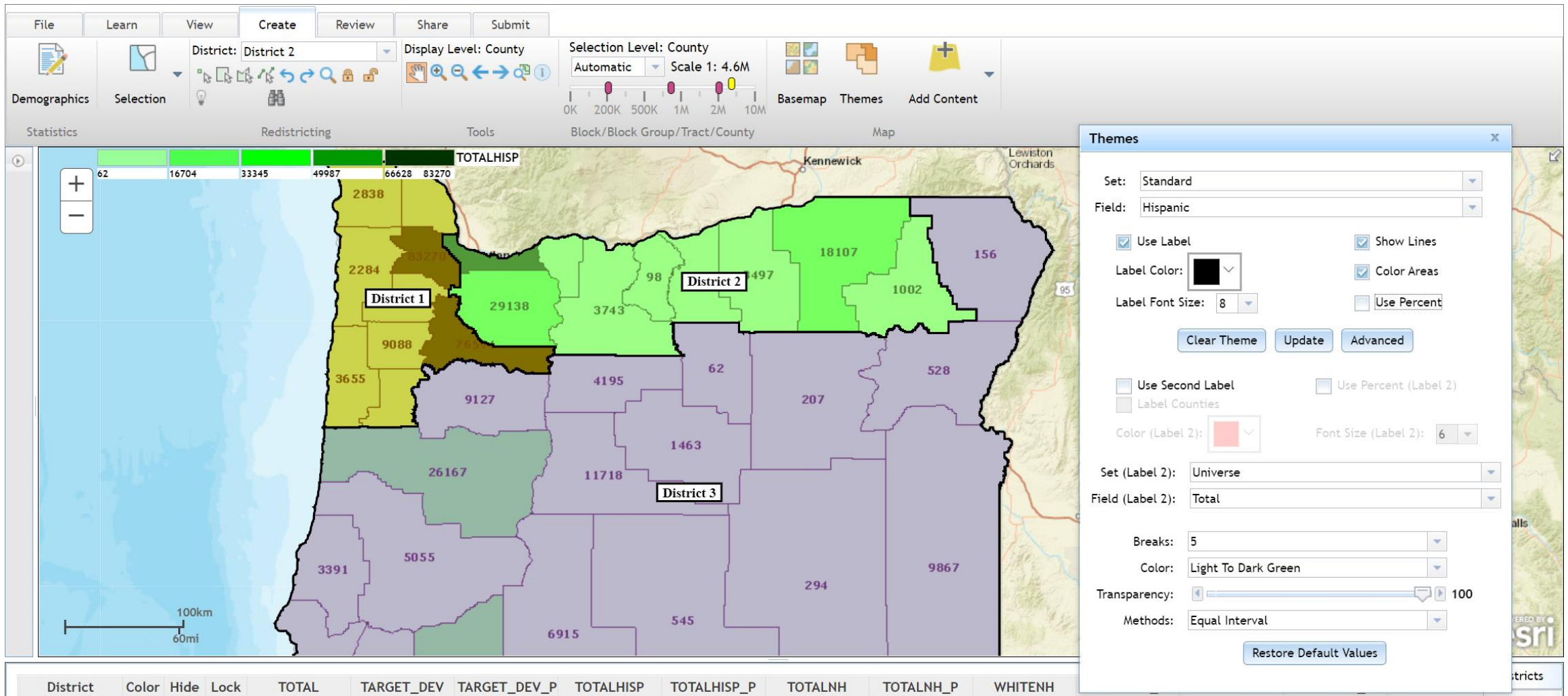
Name	Sum	Percent	Description
▾ Universe	<input type="checkbox"/>	<input type="checkbox"/>	
TOTAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total
TOTAL18	<input type="checkbox"/>	<input type="checkbox"/>	Total voting age
TARGET_DEV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Deviation from the target
▾ Standard	<input type="checkbox"/>	<input type="checkbox"/>	
TOTALHISP	<input type="checkbox"/>	<input type="checkbox"/>	Hispanic
TOTALNH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic
WHITENH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic white
BLACKNH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic black
AIANNH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic American Indian/ Alaskan Native
ASIANNH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic Asian
HPINH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic Hawaiian or Other Pacific Islander
OTHERNH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic some other race
MLTMNNH	<input type="checkbox"/>	<input type="checkbox"/>	Non-Hispanic two or more minority race
▶ Standard VAP	<input type="checkbox"/>	<input type="checkbox"/>	
▶ Alternative	<input type="checkbox"/>	<input type="checkbox"/>	
▶ Alternative VAP	<input type="checkbox"/>	<input type="checkbox"/>	
▶ OMB	<input type="checkbox"/>	<input type="checkbox"/>	
▶ OMB VAP	<input type="checkbox"/>	<input type="checkbox"/>	

< Previous Custom Variable Done



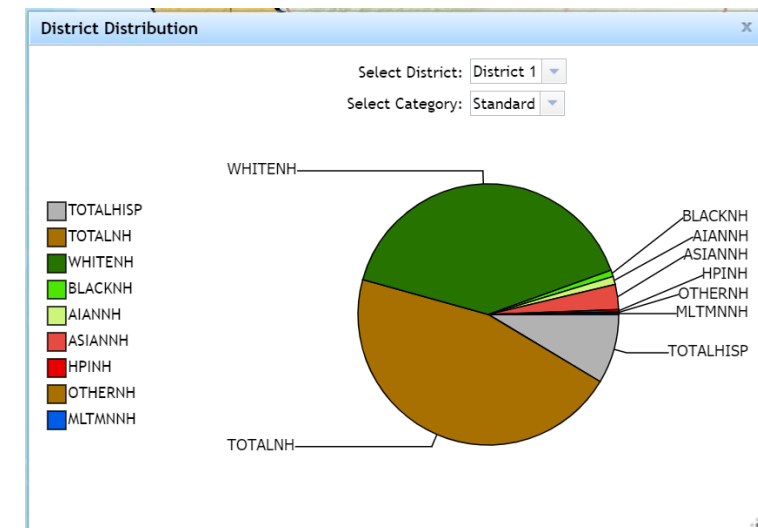
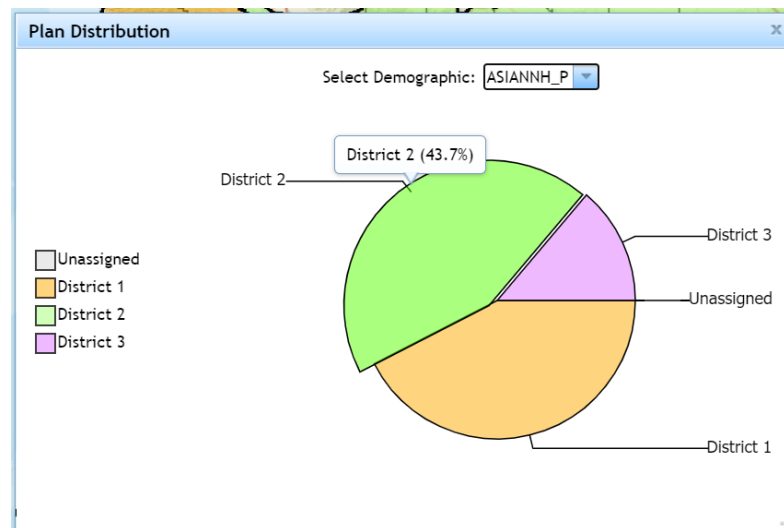
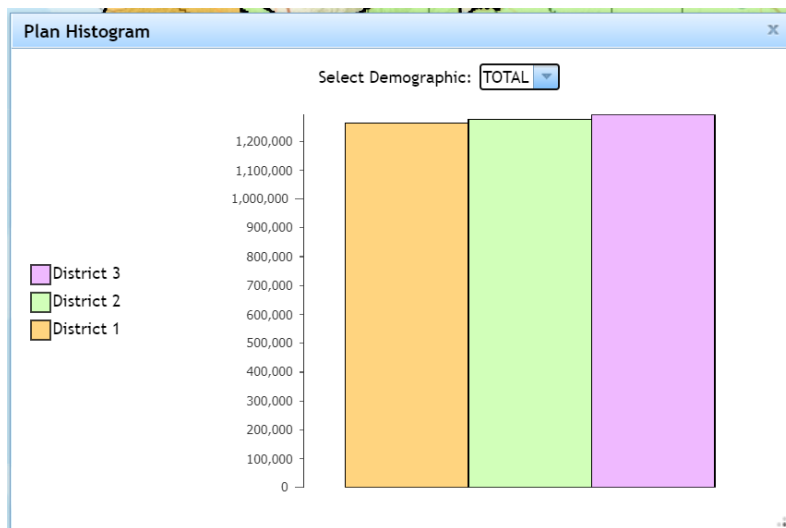
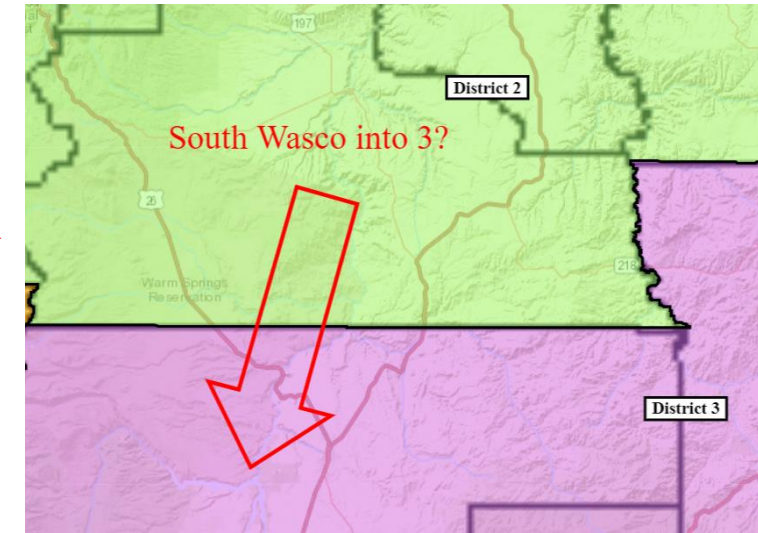
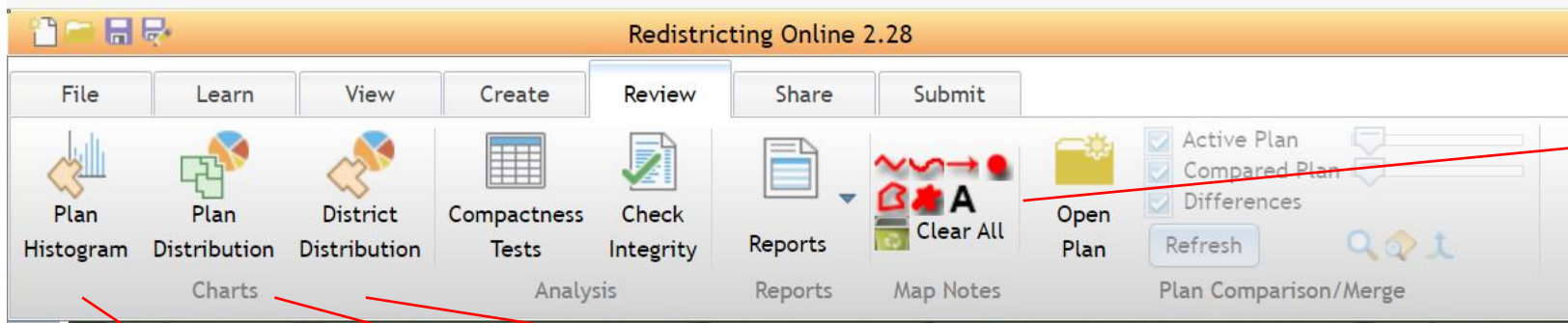
THEMES AND SHOWING DATA

- **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

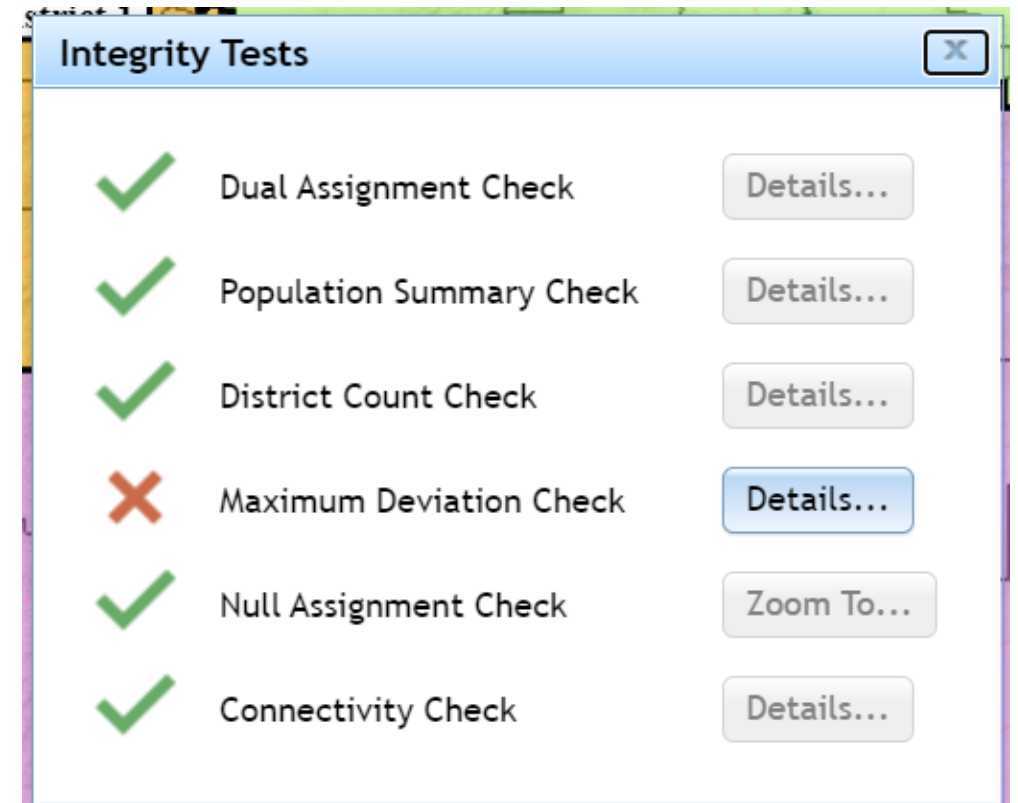


CHARTS AND NOTES

- 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 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

Open Comparison Plan

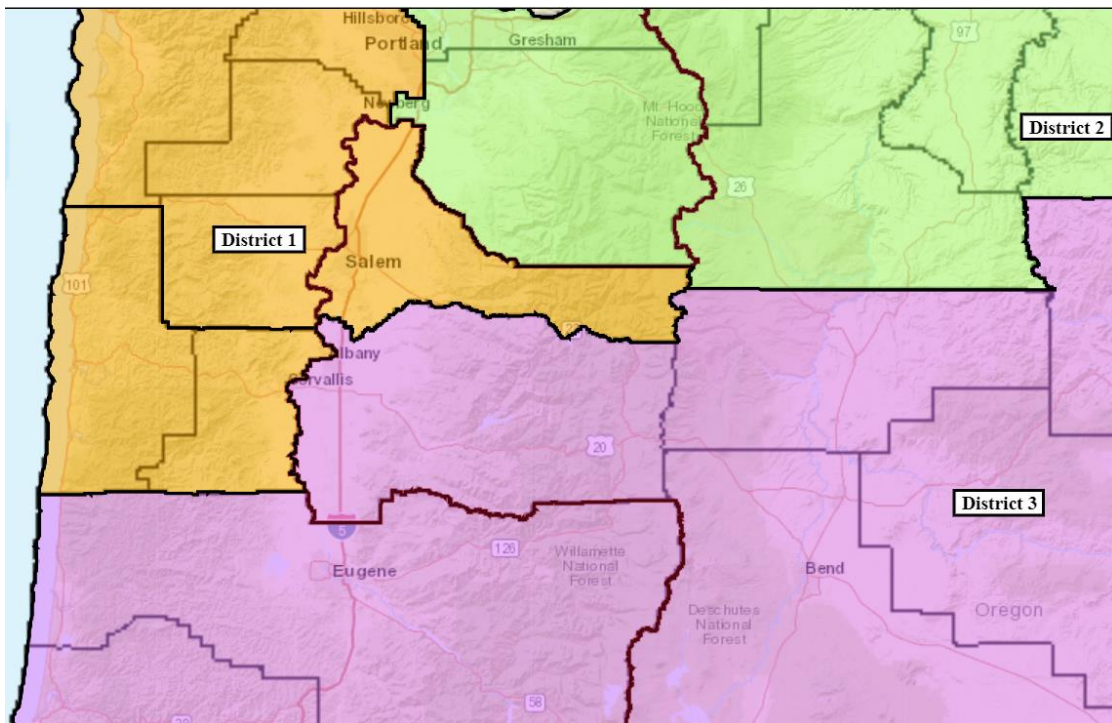
Plan Search:

- Recent Plans
- My Plans
- Shared Plans
- Everyone

Plan Name	Owner	Description	Created	Last Modified
Deschutes County Plan	redistadmin	for training exercise only	2021-01-15 06:33	2021-01-15 07:02
Example Plan	TestBadger	Example for training purposes only.	2021-01-27 09:44	2021-01-27 03:55
Hillsboro City Plan	redistadmin	for training exercise only	2021-01-15 06:33	2021-01-15 07:03
Module8Example	redistadmin		2021-01-20 07:21	2021-01-20 08:41
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Oregon State Plan



- 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

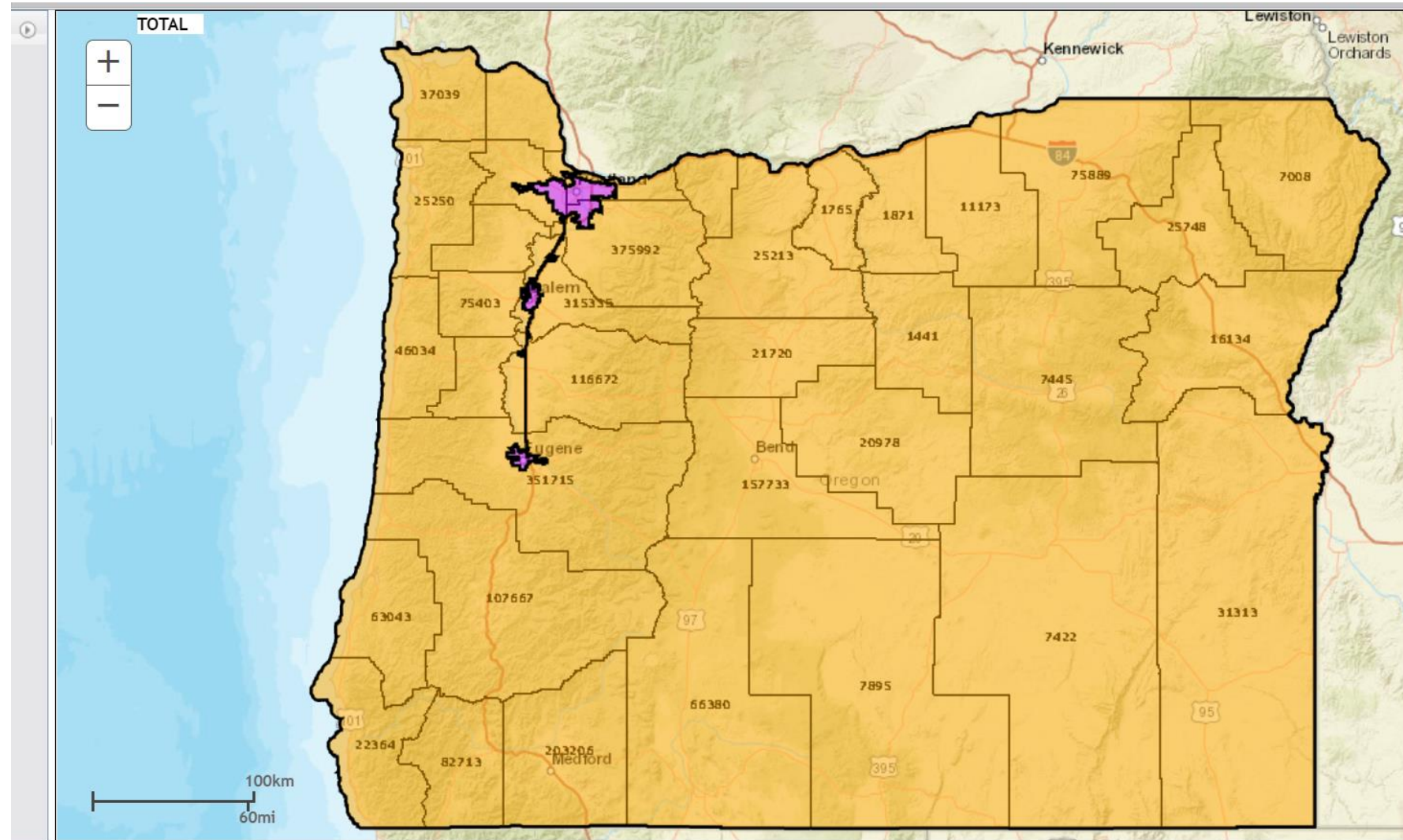
File Learn View Create Review Share Submit

Attach Files Information Comments Access Log Share Plan Lock Plan Unlock Plan Manage Groups Group Invites Edit Profile

Plan Information Organization

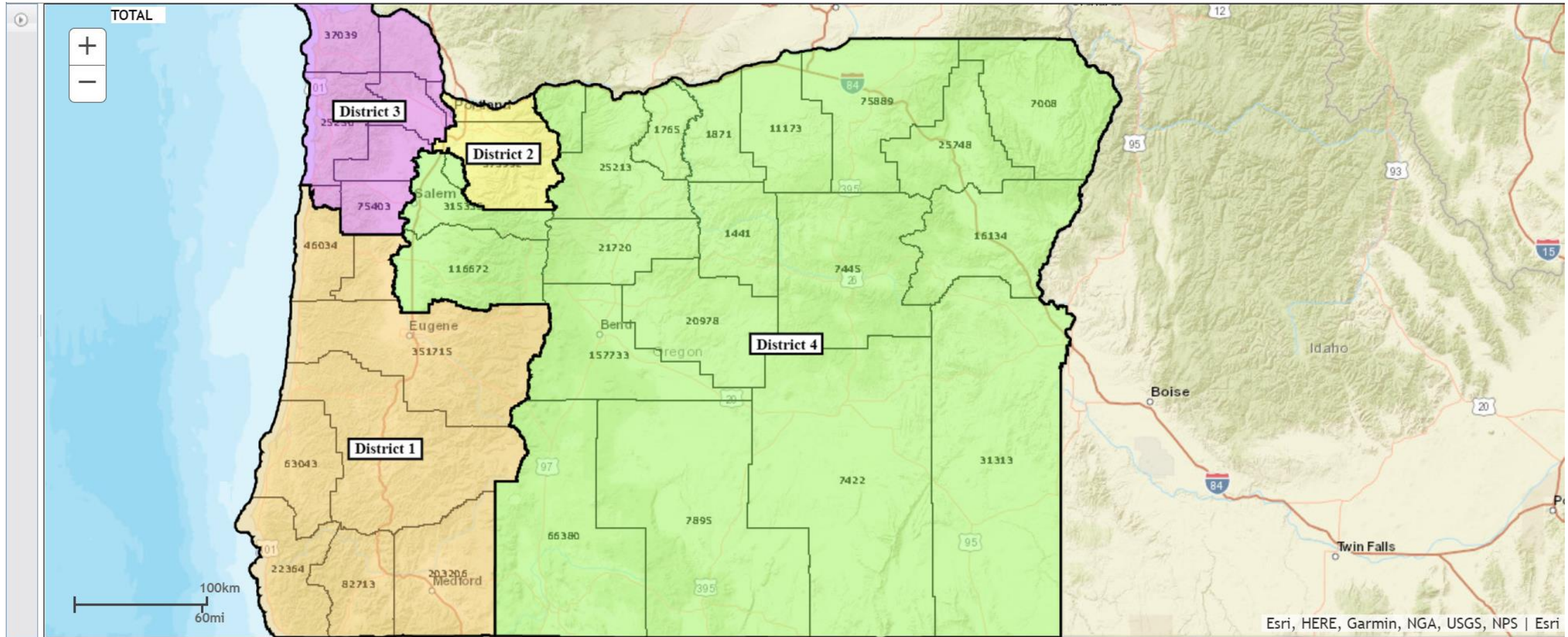
EXAMPLE: 50/50 POPULATION DISTRIBUTION

- 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0
District 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,915,537	0
District 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,915,537	0

EXAMPLE: STATE-LEVEL



Esri, HERE, Garmin, NGA, USGS, NPS | Esri

District	Color	Hide	Lock	TOTAL	TARGET_DEV
Unassigned	■	<input type="checkbox"/>	<input type="checkbox"/>	0	0
District 1	■	<input type="checkbox"/>	<input type="checkbox"/>	957,769	0
District 2	■	<input type="checkbox"/>	<input type="checkbox"/>	957,768	-1
District 3	■	<input type="checkbox"/>	<input type="checkbox"/>	957,768	-1
District 4	■	<input type="checkbox"/>	<input type="checkbox"/>	957,769	0

EXAMPLE: BLOCK-LEVEL VIEW

