



El Dorado County Redistricting

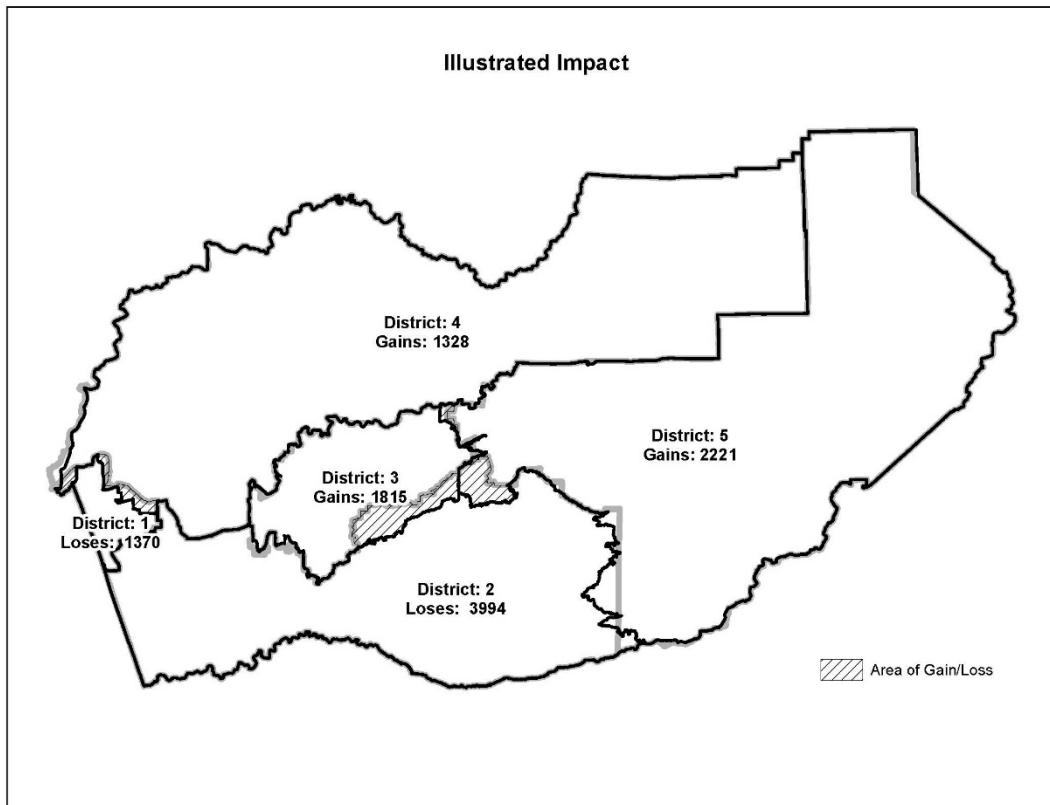
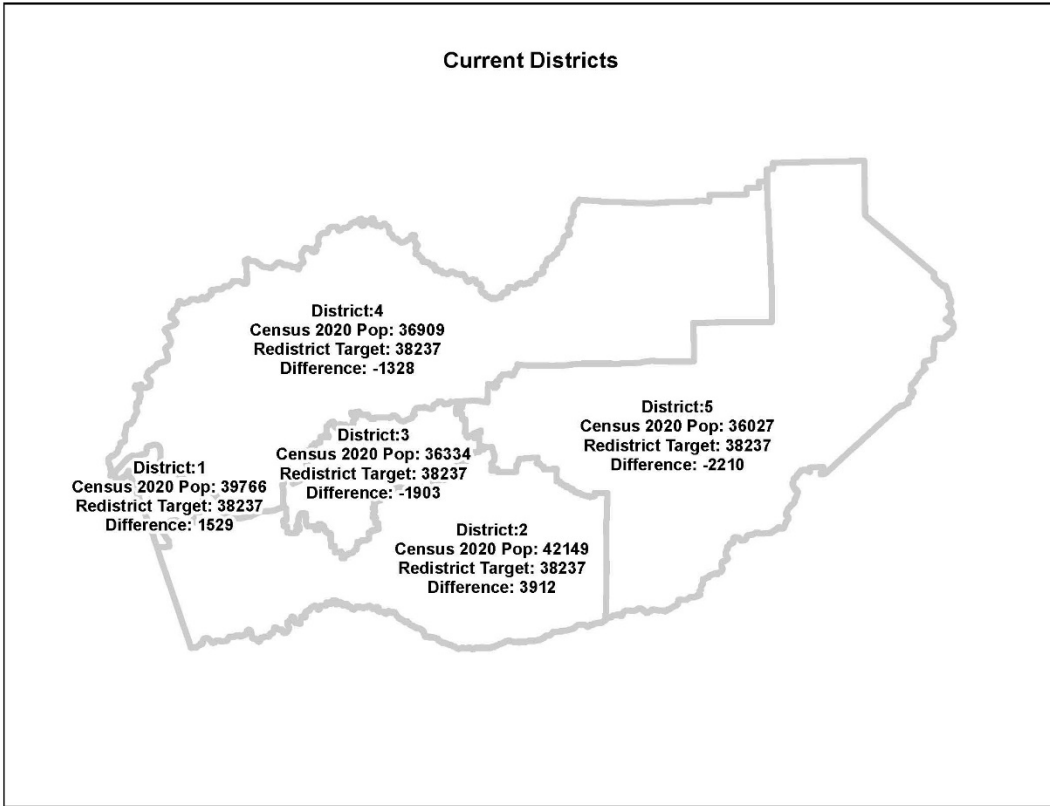
General Approach

The El Dorado County redistricting alternatives were created using the 2020 Census Redistricting Data newly released by the U.S. Census Bureau. The data includes information such as census block boundaries with the total population and number of housing units within each block. When creating the alternatives, roads and rivers were included and often utilized to create recognizable district boundary lines. Each alternative was based on a primary community of interest. A community of interest (COI) is a neighborhood or group of people who have similar interests and policy concerns and would benefit from being kept in a single district. Examples of a COI would include cities, CSDs, community regions, census designated places, and rural centers. In addition to the primary COI, each alternative takes into account additional COIs in an attempt to preserve as many communities as possible.

When assigning census blocks to a district, a common method was to begin at the west or east end of the County and move across along the highway 50 corridor to the opposite end. Once the primary COI was taken into account, the remaining census block populations were assigned based on secondary COIs and recognizable boundaries where possible.

According to the 2020 census data, the total county population equals 191,185, which means each of the five supervisor districts in every alternative must have a target population of 38,237. Each district's assigned population must remain under 1.0 standard deviation of the target population. The population difference is the assigned population subtracted from the target population. Finally, the percent off target is calculated by dividing the target population by the population difference.

The two diagrams below help describe the challenge with redistricting (see page 2). The first diagram, **Current Districts**, shows the 2020 census population in relation to the current supervisorial district boundaries. Each district is outside of the target population. The diagram, **Illustrated Impact**, shows as an example of how the boundaries of all districts will be impacted by any changes made to meet the target populations.





Alternative Descriptions

City Based Alternative

This alternative was derived by allocating census blocks starting on the west end of the county and moving east considering City boundaries as the priority. It also uses rural centers and public drawn communities of interest as secondary considerations. This alternative maintains the City of Placerville in District 3 and the City of South Lake Tahoe in District 5, and it takes into account the proposed El Dorado Hills City boundary from a 2005 proposal. It also keeps the El Dorado Hills business park within a single district, whereas it has been split between two districts in the past. Lastly, it keeps the Tahoe Basin and much of the El Dorado National Forest together.

District	TargetPop	AssignPop	PopDiff	PctOffTrgt
District 1	38237	38463	226	0.00591051
District 2	38237	38042	-195	-0.0051
District 3	38237	38096	-141	-0.003688
District 4	38237	38179	-58	-0.001517
District 5	38237	38405	168	0.004394

CSD Based Alternative

This alternative was derived by working along the highway 50 corridor from the west to east end of county considering community services districts first and city boundaries and rural centers second. While it is not feasible to prevent CSDs such as El Dorado Hills and Cameron Park from being partially split due to the high population density in those areas, the majority of CSD boundaries were kept within a district.

District	TargetPop	AssignPop	PopDiff	PctOffTrgt
District 1	38237	38221	-16	-0.000418
District 2	38237	38369	132	0.003452
District 3	38237	38117	-120	-0.003138
District 4	38237	38427	190	0.004969
District 5	38237	38051	-186	-0.004864

Community Interest Based Alternative

For this alternative, public drawn communities of interest were the primary consideration for district boundaries. A total of four COIs were submitted for consideration by the public. These included communities in the Shingle Springs, Cameron Park, Rescue, and



Pollock Pines areas. Specific plans, rural centers, and cities were also considered in an attempt to prevent heavily populated areas and neighborhoods from being split into separate districts.

District	TargetPop	AssignPop	PopDiff	PctOffTrgt
District 1	38237	38184	-53	-0.001386
District 2	38237	37937	-300	-0.007846
District 3	38237	38336	99	0.002589
District 4	38237	38494	257	0.006721
District 5	38237	38234	-3	-0.000078

Community Region Based Alternative

In this alternative, community regions, as defined in the county's general plan, were the primary consideration for district boundaries. In addition, rural centers, Community Services Districts, Caldor fire victims, cities, and the proposed El Dorado Hills city boundary were included as secondary considerations. This alternative uniquely considers the victims of the Caldor Fire by putting a majority of the affected population within a southern district that stretches from the western edge east to the Tahoe Basin. Lastly, this alternative combines many of the major historic areas, such as Placerville, Coloma, and Georgetown, into a common district.

District	TargetPop	AssignPop	PopDiff	PctOffTrgt
District 1	38237	38372	135	0.003531
District 2	38237	38217	-20	-0.000523
District 3	38237	37920	-317	-0.00829
District 4	38237	38336	99	0.002589
District 5	38237	38340	103	0.002694

El Dorado Hills Chamber of Commerce Alternative

For this alternative, the goal stated that the El Dorado Hills (EDH) population should be divided into two districts, each containing approximately 23,303 of the 38,237 target population. The purpose, as stated in a letter to the Board, is "that for any map to meet the mandates of common interest and compactness, and to ensure that the suburban communities in the Western slope are legally and fairly represented, the new redistricting maps needs to include two districts with majority of suburban representation." Thus, the population of EDH, primarily defined by the zip code 95762, was split into two approximately equal parts. Half was assigned to District 1 and half to District 2. City boundaries, rural centers, and zip codes were also used as references to assign Placerville to District 3, the northern population to District 4,



and South Lake Tahoe and the El Dorado National Forest to District 5. This alternative was requested by the El Dorado Hills Chamber of Commerce.

District	TargetPop	AssignPop	PopDiff	PctOffTrgt
District 1	38237	38424	187	0.004891
District 2	38237	38398	161	0.004211
District 3	38237	38375	138	0.003609
District 4	38237	37955	-282	-0.007375
District 5	38237	38033	-204	-0.005355

Standards for Public Submission of District Alternative

El Dorado County does not provide a tool for the public to use to develop redistricting alternatives. However, it does provide a means to download the files needed to develop redistricting alternatives. These files can be downloaded from the GIS Redistricting Hub: <https://el-dorado-county-redistricting-2021-eldoradocounty.hub.arcgis.com/>.

The County will accept GIS ready files, spreadsheets, and even hand-drawn proposals. The minimum standards for each of those are described below. All submissions must include a contact name and contact information such as an email or phone number. And please indicate whether or not your contact information can be made public.

Submissions can be sent electronically to redistricting@edcgov.us. Paper submissions can be dropped off at, or mailed to:

GIS Redistricting
360 Fair Lane, Bldg B
Placerville, CA 95667

The deadline for GIS Ready and spreadsheet submissions is October 22, 2021. Hand-drawn submissions are due October 15, 2021.

GIS Ready Files

The following file types are acceptable: Esri shapefile or GDB; KML/KMZ; or GeoJSON. The projection or coordinate reference system must be provided, WGS84 is preferred. The geometry type must be polygon or polyline.

If the submission is only district outlines, each district must include the following attributes/properties:



Assigned_Population – the total population assigned to this district.
District_Id – an identifier specifying which district this boundary represents.

If the submission is at the census tract block level, each block outline must have the following attributes or properties:

GEOID20 - this is the US Census Bureau's identifier for the block.
Tot_Pop - this is the total population assigned by the US Census Bureau to this block.
District_Id - an identifier specifying the district assigned to this block and population.

Block level submissions will be dissolved by District_Id and the populations summarized by Tot_Pop. This will result in district level boundary outlines.

GIS Ready file submissions will be tested for completeness and usability. The population summaries for each district and/or block will be reviewed. Incomplete or invalid census attributes will be cause for dismissal of the submission. Files that cannot be readily projected will also be dismissed.

Files that pass the GIS review will be added to the Public Comment app and will be part of the public review process.

Spreadsheets

Acceptable spreadsheet formats are CSV, Microsoft Excel, or Google Sheets. Each row must contain:

GEOID20 - this is the US Census Bureau's identifier for the block.
Tot_Pop - this is the total population assigned by the US Census Bureau to this block.
District_Id - an identifier specifying the district assigned to this block and population.

Spreadsheet submissions will use theGEOID20 column to join to the census geometry. This geometry will be dissolved by District_Id and the populations summarized by Tot_Pop. Submissions that do not join or are incomplete or contain invalid attributes will be dismissed.

Hand-drawn Submissions

Hand-drawn submissions must be drawn using census tract blocks as the boundary outlines for each district. All blocks that form an interior district boundary must be identified. This can be done by noting the GEOID20 on the map. Or by including a list that cross-references boundary GEOID20 ids and their assigned District_Id.