



City of Albuquerque Redistricting Committee: Follow up from 3/23



April 6, 2022

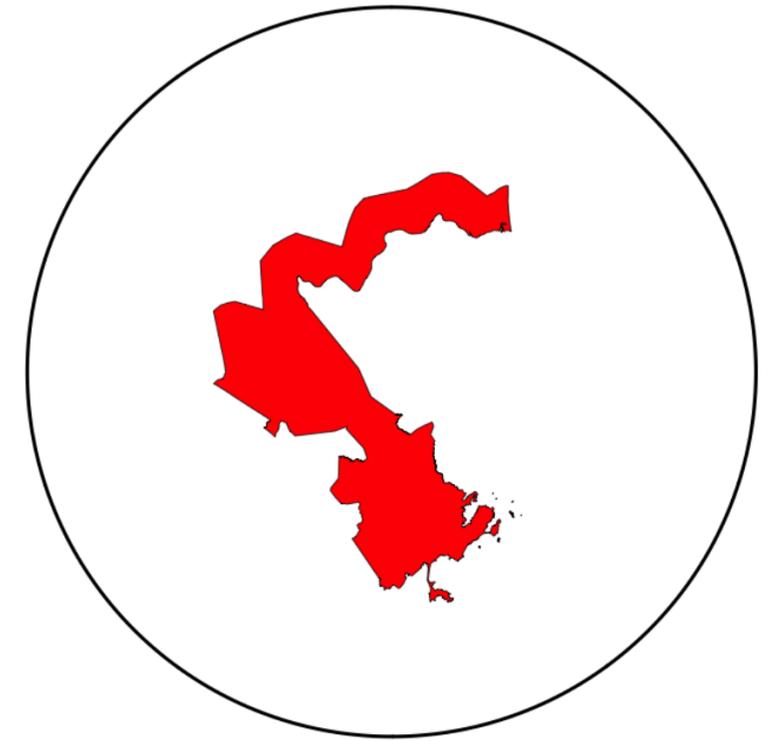
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Measures of Compactness

Polsby-Popper

A measure of the contours of the district.

Comparison of the area of the district to the area of a circle with a circumference that is equal to the perimeter of the district.



Reock

A measure of the dispersion of the district.

Comparison of the area of the district to the area of the smallest circle in which the district can fit.



Measures of Compactness



Polsby-Popper

Sensitive to physical geography

e.g. borders along a river and map resolution



Reock

Sensitive to the orientation of district's extremities

e.g. coiled snake might have higher score than straight snake



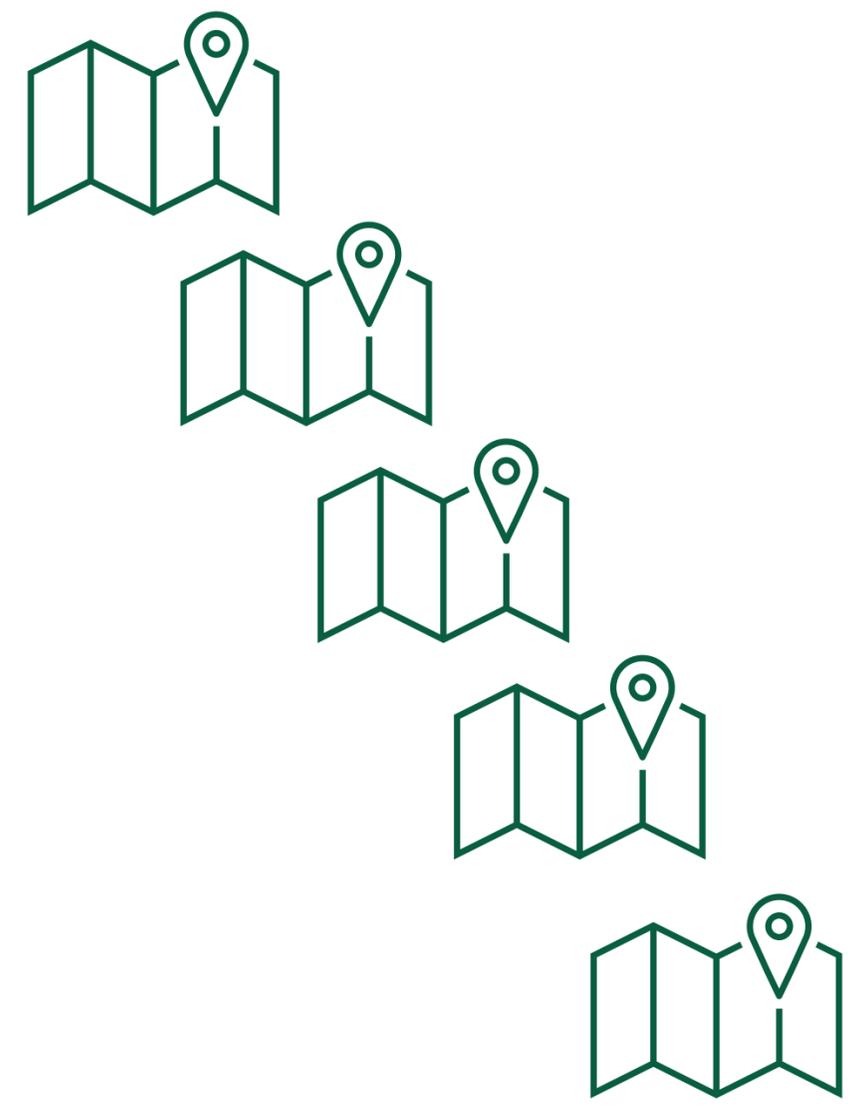
Compactness Compared

Concept	Polsby-Popper	Reock
Current	0.27	0.43
A	0.28	0.44
B	0.28	0.44
C	0.28	0.45
D	0.21	0.34
E	0.25	0.42



Concept Comparison – Population in a Different District

Concept	% of Population in a Different District Compared with Current Districts
A	5.8%
B	6.3%
C	10.2%
D	24.1%
E	18.2%





Election Data

Resolution:

Section 4E. The committee shall not use election or voter registration data when considering district boundaries

Social Vulnerability Index

2018 American Community Survey data

Socioeconomic Status

- Below Poverty
- Unemployed
- Income
- No High School Diploma