

User:

Plan Name: **Good Government CO 5**

Plan Type: **Congress**

# Measures of Compactness Report

Thursday, November 18, 2021

2:58 PM

Number of cut edges: 2,953

	<b>Reock</b>	<b>Schwartzberg</b>	<b>Alternate Schwartzberg</b>	<b>Polsby-Popper</b>	<b>Population Polygon</b>	<b>Area/Convex Hull</b>	<b>Population Circle</b>	<b>Ehrenburg</b>	<b>Perimeter</b>	<b>Length-Width</b>
Sum	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,829.83	N/A
Min	0.17	1.30	1.39	0.09	0.60	0.50	0.13	0.14	N/A	6.48
Max	0.61	3.15	3.34	0.52	0.89	0.95	0.65	0.55	N/A	117.52
Mean	0.37	1.86	1.95	0.31	0.75	0.82	0.28	0.37	N/A	49.69
Std. Dev.	0.16	0.59	0.62	0.14	0.10	0.14	0.16	0.14	N/A	38.17

<b>District</b>	<b>Reock</b>	<b>Schwartzberg</b>	<b>Alternate Schwartzberg</b>	<b>Polsby-Popper</b>	<b>Population Polygon</b>	<b>Area/Convex Hull</b>	<b>Population Circle</b>	<b>Ehrenburg</b>	<b>Perimeter</b>	<b>Length-Width</b>
1	0.18	3.15	3.34	0.09	0.64	0.50	0.31	0.35	147.86	6.48
2	0.61	1.30	1.39	0.52	0.89	0.95	0.13	0.52	1,121.78	54.86
3	0.41	1.49	1.54	0.42	0.60	0.88	0.14	0.55	1,053.19	74.47
4	0.34	1.50	1.55	0.41	0.82	0.88	0.20	0.40	531.01	117.52
5	0.47	1.61	1.73	0.33	0.83	0.77	0.65	0.45	221.70	15.74
6	0.17	2.11	2.14	0.22	0.69	0.88	0.26	0.14	218.36	63.46
7	0.54	1.64	1.82	0.30	0.73	0.83	0.29	0.37	269.17	8.47
8	0.26	2.07	2.12	0.22	0.77	0.86	0.26	0.21	266.76	56.49

## Measures of Compactness Summary

---

<b>Reock</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Schwartzberg</b>	The measure is usually greater than or equal to 1, with 1 being the most compact.
<b>Alternate Schwartzberg</b>	This measure is always greater than or equal to 1, with 1 being the most compact.
<b>Polsby-Popper</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Population Polygon</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Area / Convex Hull</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Population Circle</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Ehrenburg</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Perimeter</b>	The Perimeter test computes one number for the whole plan. If you are comparing several plans, the plan with the smallest total perimeter is the most compact.
<b>Length-Width</b>	A lower number indicates better length-width compactness.
<b>Cut Edges</b>	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.