

User:

Plan Name: OR Plan Sherwin 1

Plan Type: Congress

# Measures of Compactness Report

Saturday, April 2, 2022

11:26 PM

Number of cut edges: 1,665

	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
Sum	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,229.26	N/A
Min	0.28	1.27	1.40	0.33	0.60	0.67	0.18	0.40	N/A	9.61
Max	0.61	1.61	1.74	0.51	0.97	0.93	0.64	0.65	N/A	48.86
Mean	0.49	1.38	1.53	0.44	0.80	0.85	0.45	0.53	N/A	24.58
Std. Dev.	0.12	0.12	0.13	0.07	0.15	0.09	0.17	0.12	N/A	17.61

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.51	1.27	1.40	0.51	0.97	0.92	0.18	0.64	1,298.08	48.86
2	0.50	1.34	1.51	0.44	0.81	0.88	0.64	0.48	679.73	9.61
3	0.48	1.35	1.50	0.45	0.87	0.84	0.36	0.40	418.82	45.13
4	0.61	1.32	1.41	0.51	0.90	0.93	0.63	0.65	266.90	14.92
5	0.58	1.41	1.59	0.40	0.64	0.85	0.43	0.60	291.06	11.51
6	0.28	1.61	1.74	0.33	0.60	0.67	0.45	0.40	274.67	17.44

## Measures of Compactness Summary

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<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.