

User:

Plan Name: SC Plan 1 Sherwin recovery

Plan Type:

# Measures of Compactness Report

Saturday, April 2, 2022

3:12 PM

Number of cut edges: 3,917

	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	4,876.38	N/A
Min	0.16	1.42	1.67	0.06	0.50	0.49	0.31	0.15	N/A	3.69
Max	0.57	3.57	4.03	0.36	0.88	0.85	0.74	0.49	N/A	64.55
Mean	0.32	2.53	2.95	0.15	0.62	0.63	0.41	0.26	N/A	25.03
Std. Dev.	0.15	0.76	0.83	0.11	0.13	0.13	0.16	0.14	N/A	26.94

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.22	3.16	3.67	0.07	0.61	0.49	0.36	0.15	864.83	64.55
2	0.44	2.55	3.10	0.10	0.51	0.72	0.32	0.41	1,072.90	3.69
3	0.16	3.57	4.03	0.06	0.64	0.55	0.48	0.15	794.69	7.44
4	0.19	2.87	3.20	0.10	0.68	0.55	0.31	0.21	777.85	63.29
5	0.34	2.45	2.82	0.13	0.50	0.57	0.32	0.16	595.10	17.39
6	0.32	1.71	2.13	0.22	0.55	0.70	0.34	0.23	556.17	12.36
7	0.57	1.42	1.67	0.36	0.88	0.85	0.74	0.49	214.84	6.46

## 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.