

User:

Plan Name: **HI Compactness Final**

Plan Type: **Congress**

# Measures of Compactness Report

Tuesday, February 1, 2022

2:25 PM

Number of cut edges: 106

	<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	1,510.91	N/A
Min	0.01	1.29	1.37	0.07	0.50	0.07	0.50	0.30	N/A	9.69
Max	0.57	2.24	3.87	0.53	0.96	0.89	0.85	0.42	N/A	835.23
Mean	0.29	1.77	2.62	0.30	0.73	0.48	0.68	0.36	N/A	422.46
Std. Dev.	0.40	0.67	1.77	0.33	0.33	0.58	0.25	0.08	N/A	583.74
<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	0.57	1.29	1.37	0.53	0.96	0.89	0.85	0.42	99.01	9.69
2	0.01	2.24	3.87	0.07	0.50	0.07	0.50	0.30	1,411.90	835.23

## 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.