

User:

Plan Name: **Maine Least Change**

Plan Type: **Congress**

# Measures of Compactness Report

Monday, October 11, 2021

2:55 PM

Number of cut edges: 502

	<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	1,731.26	N/A
Min	0.36	1.58	1.84	0.18	0.76	0.63	0.60	0.22	N/A	16.65
Max	0.49	1.99	2.37	0.30	0.81	0.84	0.73	0.43	N/A	50.36
Mean	0.43	1.79	2.11	0.24	0.79	0.74	0.67	0.33	N/A	33.51
Std. Dev.	0.09	0.29	0.37	0.08	0.04	0.15	0.09	0.15	N/A	23.84

<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	0.36	1.99	2.37	0.18	0.81	0.63	0.73	0.22	597.92	16.65
2	0.49	1.58	1.84	0.30	0.76	0.84	0.60	0.43	1,133.34	50.36

## 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.