

User:

Plan Name: **Least Change Maine**

Plan Type: **Congress**

# Measures of Compactness Report

Tuesday, September 21, 2021

2:27 PM

Number of cut edges: 538

	<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	1,798.43	N/A
Min	0.36	1.63	1.89	0.16	0.76	0.61	0.60	0.22	N/A	10.73
Max	0.49	2.10	2.50	0.28	0.79	0.84	0.73	0.36	N/A	50.36
Mean	0.43	1.87	2.20	0.22	0.78	0.73	0.67	0.29	N/A	30.55
Std. Dev.	0.09	0.33	0.43	0.08	0.02	0.16	0.09	0.10	N/A	28.02

<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	2.10	2.50	0.16	0.79	0.61	0.73	0.22	631.50	10.73
2	0.49	1.63	1.89	0.28	0.76	0.84	0.60	0.36	1,166.93	50.36

## 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.