

User:

Plan Name: **Maine Dem Gerrymander 2**

Plan Type: **Congress**

# Measures of Compactness Report

Thursday, November 11, 2021

10:23 PM

Number of cut edges: 626

	<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	1,950.87	N/A
Min	0.27	1.76	2.04	0.22	0.69	0.65	0.52	0.18	N/A	99.23
Max	0.34	1.89	2.11	0.24	0.78	0.80	0.65	0.26	N/A	138.95
Mean	0.31	1.83	2.08	0.23	0.74	0.73	0.59	0.22	N/A	119.09
Std. Dev.	0.05	0.09	0.05	0.01	0.06	0.11	0.09	0.06	N/A	28.09

<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	0.27	1.76	2.04	0.24	0.69	0.80	0.52	0.26	886.14	138.95
2	0.34	1.89	2.11	0.22	0.78	0.65	0.65	0.18	1,064.73	99.23

## 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.