

User:

Plan Name: **Ada County Whole**

Plan Type: **Congress**

# Measures of Compactness Report

Tuesday, January 4, 2022

9:37 AM

Number of cut edges: 497

	<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	2,901.66	N/A
Min	0.25	1.48	1.60	0.18	0.62	0.63	0.51	0.22	N/A	114.86
Max	0.39	1.96	2.35	0.39	0.80	0.90	0.64	0.40	N/A	157.20
Mean	0.32	1.72	1.98	0.29	0.71	0.77	0.58	0.31	N/A	136.03
Std. Dev.	0.10	0.34	0.53	0.15	0.13	0.19	0.09	0.13	N/A	29.94
<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	0.25	1.96	2.35	0.18	0.62	0.63	0.51	0.22	1,876.97	114.86
2	0.39	1.48	1.60	0.39	0.80	0.90	0.64	0.40	1,024.69	157.20

## 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.