User:
Plan Name: **LWV Exemplar 03032021**
Plan Type:

Measures of Compactness Report

Wednesday, March 3, 2021 4:32 PM

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
1	0.40	2.07	0.23	169.20
2	0.50	1.96	0.26	82.76
3	0.35	2.31	0.19	76.95
4	0.61	1.83	0.30	112.07
5	0.50	1.82	0.30	44.47
6	0.41	2.27	0.19	75.43
7	0.34	1.77	0.32	103.59
8	0.49	1.78	0.31	88.20
9	0.45	2.12	0.22	47.50
10	0.48	2.17	0.21	95.26
11	0.61	1.61	0.39	144.27

Measures of Compactness Report

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
12	0.30	2.17	0.21	173.29
13	0.43	2.04	0.24	128.92
14	0.40	1.83	0.30	128.70
15	0.37	1.69	0.35	35.51
16	0.36	2.30	0.19	224.98
17	0.52	1.63	0.38	79.76
18	0.44	1.94	0.26	36.99
19	0.35	1.98	0.26	35.25
20	0.52	1.39	0.52	18.10
21	0.59	1.50	0.44	24.26
22	0.47	1.31	0.58	34.07
23	0.35	2.20	0.21	33.79
24	0.57	1.47	0.47	31.97
25	0.39	1.80	0.31	50.13

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
26	0.33	1.77	0.32	38.99
27	0.35	1.84	0.30	32.09
28	0.40	1.77	0.32	121.31
29	0.43	1.97	0.26	99.57
30	0.39	1.82	0.30	85.64
31	0.55	1.85	0.29	33.58
32	0.35	2.21	0.21	46.11
33	0.51	1.56	0.41	95.48
34	0.44	1.71	0.34	43.35
35	0.54	1.53	0.43	42.64
36	0.41	1.66	0.36	52.52
37	0.41	2.26	0.20	130.86
38	0.55	1.35	0.55	60.71
39	0.46	1.63	0.38	143.33

Measures of Compactness Report

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
40	0.41	1.61	0.38	83.62
41	0.47	1.66	0.36	173.34
42	0.42	1.70	0.35	141.82
43	0.38	1.96	0.26	155.65
44	0.57	1.68	0.35	135.20
45	0.28	2.09	0.23	129.13
46	0.33	1.93	0.27	34.48
47	0.36	1.79	0.31	87.94
48	0.55	1.69	0.35	42.60
49	0.41	1.52	0.43	41.43
50	0.52	1.99	0.25	183.68
51	0.42	1.86	0.29	65.01
52	0.39	1.50	0.45	68.41
53	0.18	2.13	0.22	164.10

Measures of Compactness Report

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
54	0.31	1.85	0.29	113.00
55	0.47	2.03	0.24	169.49
56	0.37	2.29	0.19	106.52
57	0.30	2.25	0.20	194.89
58	0.44	1.65	0.37	43.25
59	0.35	2.64	0.14	201.61
60	0.50	1.77	0.32	85.27
61	0.39	1.73	0.33	133.25
62	0.52	1.91	0.27	124.21
63	0.30	1.74	0.33	33.02
64	0.43	1.82	0.30	178.37
65	0.47	1.91	0.27	169.54
66	0.34	2.06	0.24	188.34
67	0.38	2.14	0.22	75.91

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
68	0.43	1.99	0.25	74.46
69	0.40	2.03	0.24	45.66
70	0.54	1.99	0.25	137.24
71	0.37	1.46	0.47	43.61
72	0.47	1.86	0.29	35.22
73	0.45	1.63	0.38	66.17
74	0.28	1.63	0.38	26.25
75	0.38	1.93	0.27	24.87
76	0.47	1.55	0.41	20.27
77	0.45	1.77	0.32	34.00
78	0.34	1.56	0.41	38.42
79	0.42	1.44	0.49	21.83
80	0.35	2.31	0.19	176.94
81	0.50	1.50	0.44	56.81

Measures of Compactness Report

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
82	0.49	1.64	0.37	132.81
83	0.22	2.39	0.17	92.58
84	0.45	1.97	0.26	106.04
85	0.26	1.54	0.42	30.60
86	0.53	1.55	0.42	134.90
87	0.59	1.50	0.44	57.57
88	0.44	1.67	0.36	46.78
89	0.43	1.94	0.27	37.12
90	0.39	2.01	0.25	208.34
91	0.39	1.88	0.28	219.61
92	0.33	3.11	0.10	49.06
93	0.45	2.02	0.25	185.82
94	0.46	1.91	0.27	76.56
95	0.51	1.88	0.28	71.89

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
96	0.59	1.48	0.46	77.04
97	0.38	1.85	0.29	134.57
98	0.56	1.92	0.27	24.95
99	0.41	2.25	0.20	65.71
100	0.39	2.47	0.16	152.91
101	0.53	1.51	0.44	169.76
102	0.37	2.87	0.12	289.80
103	0.37	1.73	0.33	164.34
104	0.35	1.93	0.27	87.73
105	0.57	1.65	0.37	59.26
106	0.62	1.23	0.66	29.03
107	0.35	1.49	0.45	47.38
108	0.28	1.77	0.32	125.25
109	0.26	1.74	0.33	30.89

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
110	0.46	1.54	0.42	25.82
111	0.54	1.69	0.35	26.18
112	0.37	1.48	0.45	125.29
113	0.17	2.12	0.22	31.15
114	0.29	2.50	0.16	55.93
115	0.31	1.65	0.37	78.66
116	0.58	1.63	0.38	142.73
117	0.40	2.11	0.22	39.99
118	0.49	1.95	0.26	132.63
119	0.39	2.12	0.22	39.08
120	0.53	1.81	0.30	79.65
121	0.31	2.71	0.14	294.78
122	0.56	1.51	0.44	170.72
123	0.47	1.27	0.62	48.10

Number of cut edges: 15,523

	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
Sum	N/A	N/A	N/A	11,494.71
Min	0.17	1.23	0.10	N/A
Max	0.62	3.11	0.66	N/A
Mean	0.43	1.86	0.31	N/A
Std. Dev.	0.09	0.32	0.10	N/A

District	Reock	Alternate Schwartzberg	Polsby-Popper	Perimeter
124	**0.53**	**2.10**	**0.23**	**69.27**

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Alternate Schwartzberg	This measure is always greater than or equal to 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Perimeter	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.
Cut Edges	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.