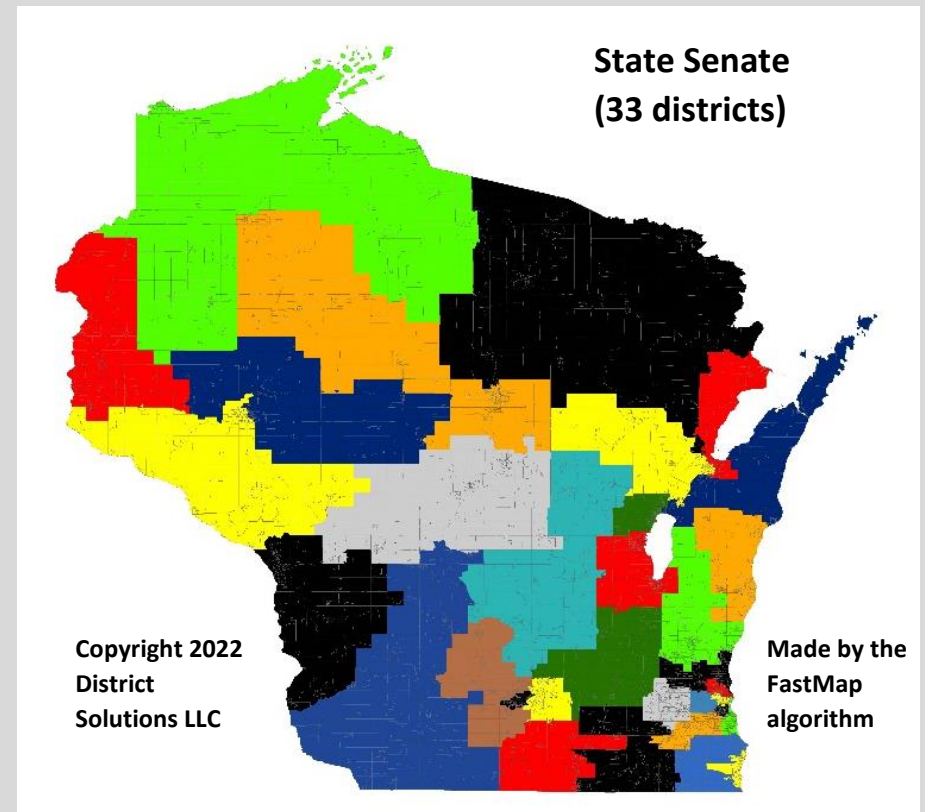
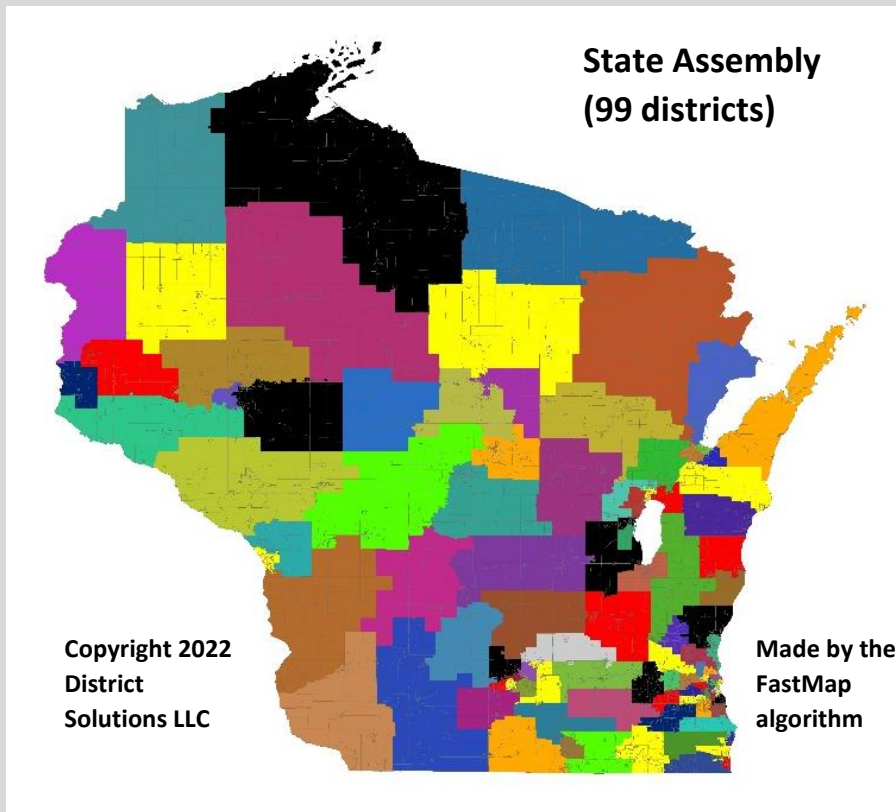


# District Solutions LLC Wisconsin Map Bulletin #8

## Our Maps vs. Maps Considered by the WI Supreme Court

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Date of Release: March 13, 2022

### District Solutions Wisconsin Least Change Legislative Map #02 (made Dec. 12, 2021)



The last page of this document compares the performance of these maps to the two main competitors that were considered by the Wisconsin Supreme Court—the maps made by the Wisconsin Legislature and those made by Governor Evers. Our maps have the best core retention among the alternatives and are the best in 5 of the 7 main categories considered by the court (not including political fairness). Thus, our maps would have likely been selected by the court if we had been a party to the case.

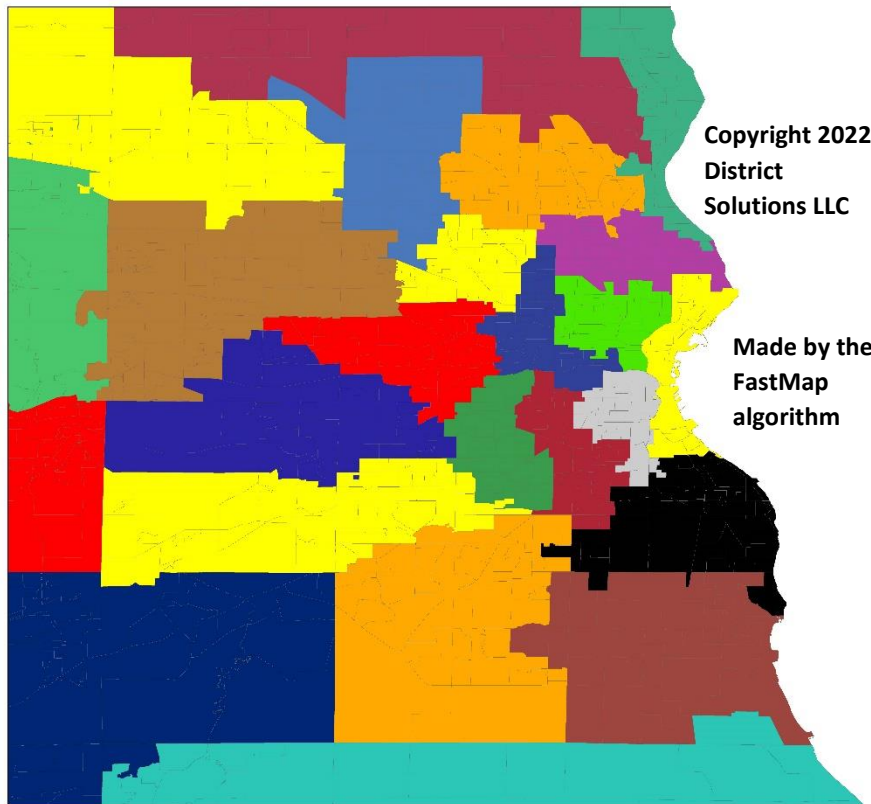
# District Solutions LLC Wisconsin Map Bulletin #8

## Zoom-in Showing the Milwaukee Area

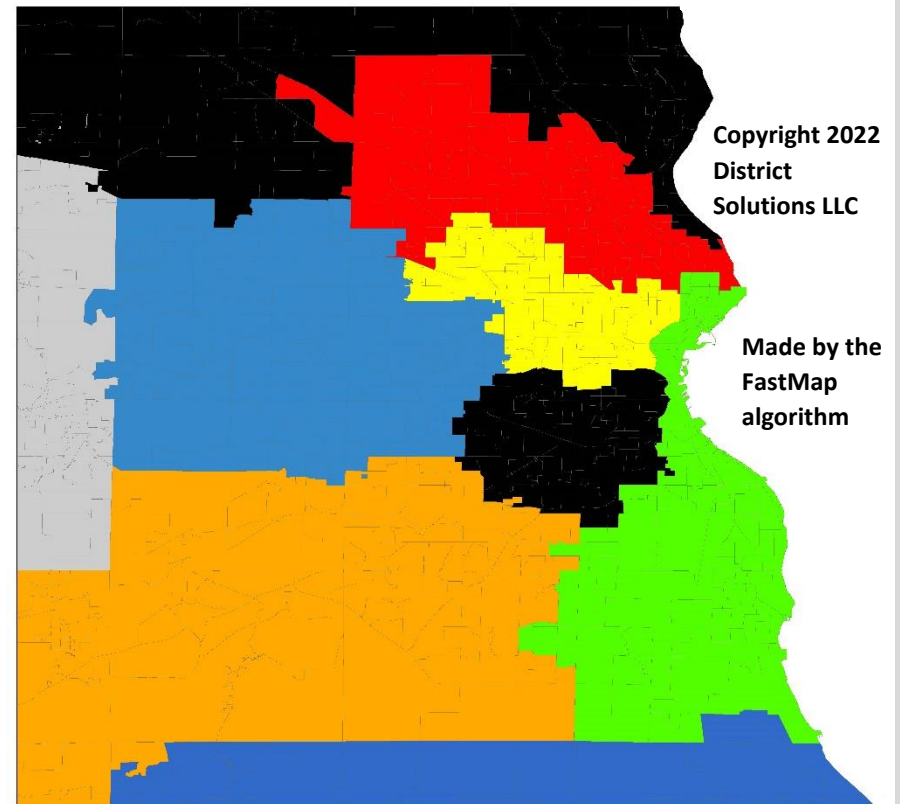
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### District Solutions Wisconsin Least Change Legislative Map #02 (made Dec. 12, 2021)

State Assembly Districts (Milwaukee County Zoom-in)



State Senate Districts (Milwaukee County Zoom-in)



	These maps (made by a fully automated algorithm)	SB621 (WI Legislature)	Gov. Evers (Enacted Maps)
<b>*Population deviation</b>			
Assembly	1.94%	<b>0.76%</b>	1.88%
Senate	1.64%	<b>0.57%</b>	1.20%
<b>*Black VRA districts, assembly<sup>+</sup></b>	<b>6 dists ≥ 55% Black VAP</b>	5 dists ≥ 52% Black VAP	7 dists ≥ 50% Black VAP
<b>*Black VRA districts, senate<sup>+</sup></b>	<b>2 dists ≥ 57% Black VAP</b>	2 dists ≥ 56% Black VAP	2 dists ≥ 50% Black VAP
<b>*Hispanic VRA districts, assembly</b>	<b>2 dists ≥ 53% Hispanic VAP</b>	2 dists ≥ 52% Hispanic VAP	2 dists ≥ 52% Hispanic VAP
<b>*Hispanic VRA districts, senate</b>	1 dist ≥ 44.9% Hispanic VAP	<b>1 dist ≥ 45% Hispanic VAP</b>	<b>1 dist ≥ 45% Hispanic VAP</b>
<b>Core retention (measured as a population percentage)</b>			
Assembly	<b>88.02%</b>	84.17%	85.79%
Senate	<b>92.45%</b>	92.21%	92.18%
<b>Disenfranchised individuals</b>	<b>115,796</b>	138,753	139,606
<b>Incumbent pairings</b>			
Assembly	<b>0</b>	3	2
Senate	<b>0</b>	<b>0</b>	1
<b>*Compactness</b>			
Assembly (Reock, Polsby-Popper) scores	<b>(.4073, .3274)</b>	(.3582, .2450)	(.3685, .2673)
Senate (Reock, Polsby-Popper) scores	<b>(.4029, .2691)</b>	(.3684, .2268)	(.3776, .2548)
<b>*Split geographies</b>			
Assembly (# counties, # municipalities~) split	(58, 64)	<b>(53, 48)</b>	<b>(53, ??)</b>
Senate (# counties, # municipalities~) split	(50, 47)	<b>(42, 28)</b>	(45, ??)
<b>*Expected number of Democratic wins</b>			
Assembly	40.95	39.69	<b>42.27</b>
Senate	12.42	12.17	<b>12.68</b>

The best score in each row is highlighted

\* Measured by [www.davesredistricting.org](http://www.davesredistricting.org)

<sup>+</sup> Including multi-race categories such as "Black + Asian" and "Black + Hispanic"

~ Includes splits of cities and villages (i.e., municipalities) only. Does not include town splits.

**Notes:**

*Higher* scores are better for Voting Rights Act (VRA) compliance, core retention, compactness, and number of Democratic wins (assuming political fairness is of interest).

*Lower* scores are better for population deviation, disenfranchisement, incumbent pairings, and split geographies.

Overall, our maps are the best in 5 main categories: Voting Rights Act (VRA) compliance, core retention, disenfranchisement, incumbent pairings, and compactness.

The WI Legislature's maps are the best in 2 main categories: population deviation and split geographies.

Governor Evers' maps are the best in 1 main category—political fairness—which was not considered by the court.