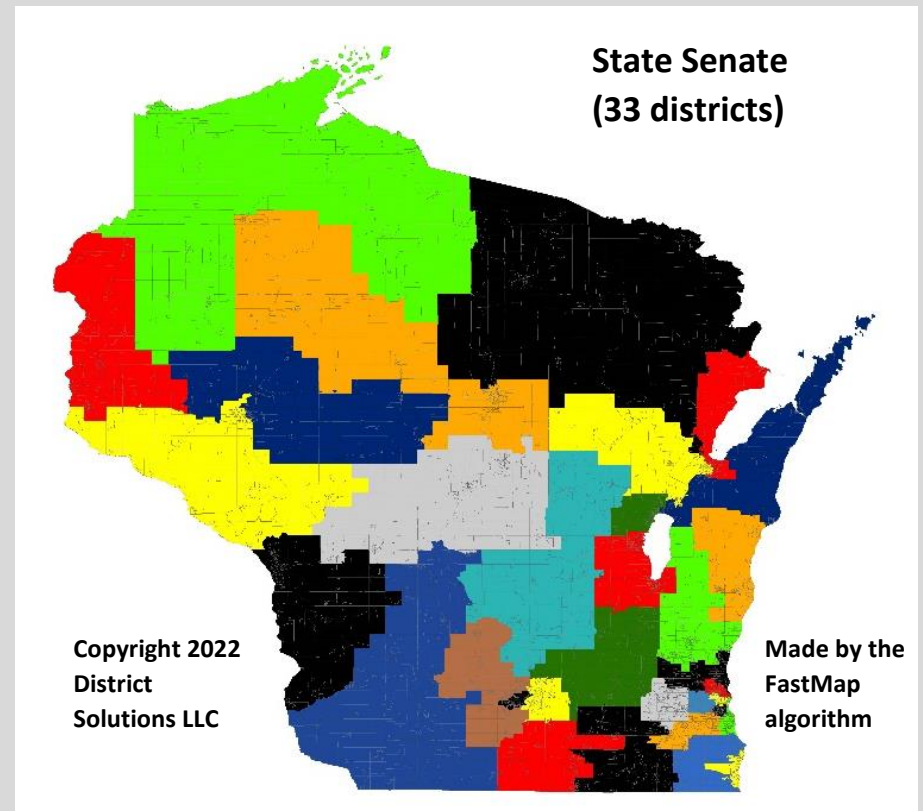
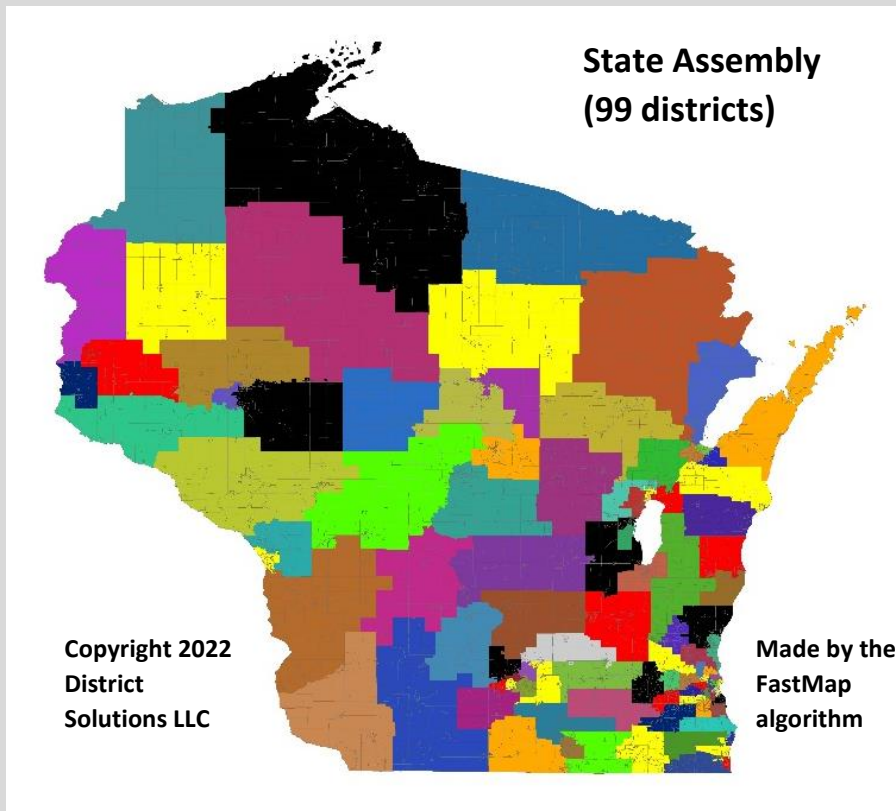


District Solutions LLC Wisconsin Maps Release #8

Our Maps vs. Maps Considered by the WI Supreme Court

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April 9, 2022

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



The last page of this document compares the performance of this map 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 map has the best core retention among the alternatives and is the best in 5 of the 7 criteria considered by the court.

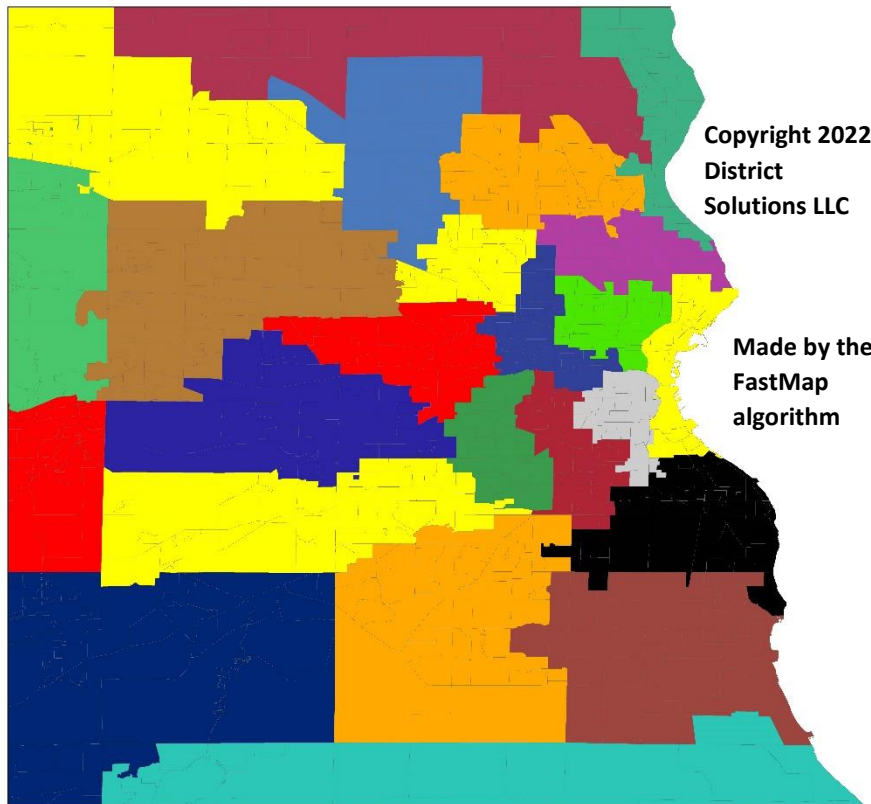
District Solutions LLC Wisconsin Maps Release #8

Zoom-in Showing the Milwaukee Area

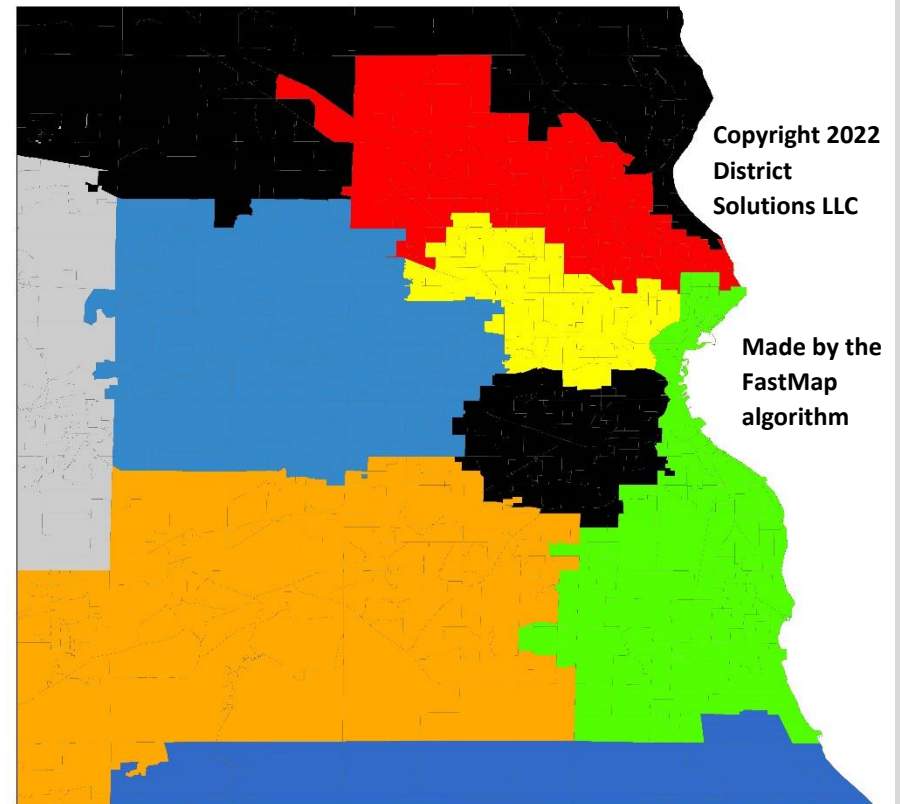
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District Solutions Wisconsin Least Change Legislative Map #02 (made Dec. 12, 2021)

State Assembly Districts (Milwaukee County Zoom-in)



State Senate Districts (Milwaukee County Zoom-in)



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

The best score in each row is highlighted

* Measured by www.davesredistricting.org

+ Multi-race categories such as "Black + Asian" and "Black + Hispanic" are included as "Black"

~ Includes splits of cities and villages only. Does not include town splits.

Notes:
Higher scores are better for Voting Rights Act (VRA) compliance, core retention, and compactness.
Lower scores are better for population deviation, disenfranchisement, incumbent pairings, and split geographies.
 Our map is the best in 5 main categories: Voting Rights Act (VRA) compliance, core retention, disenfranchisement, incumbent pairings, and compactness.
 The WI Legislature's map is the best in 2 main categories: population deviation and split geographies.