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December 7, 2021**2022 Congressional Plan Comparison
2022 PW 8C08****OFFICE OF
APPELLATE COURTS**

	2002 Court	2012 Court	2020 PW CBase202	2022 PW 8C08
Population Equality				
Overall Range - Persons	1	1	64,039	1
Overall Range - Percent	0.00%	0.00%	8.98%	0.00%
Minority Districts -Voting Age Population				
Districts 30% or more total minority population	0	0	2	2
Largest total minority population	23.1%	29.0%	34.5%	34.9%
Largest Black population	11%	14%	15%	15%
Largest Asian population	6%	9%	12%	12%
Largest Hispanic population	8%	7%	8%	9%
Largest American Indian population	3%	3%	2%	4%
Political Subdivision Splits				
Counties				
Number split	8	9	9	12
Times split	13	12	12	18
Cities, Townships, Unorganized Territories				
Number split	7	7	8	10
Times split	7	7	8	10
Precincts				
Number split	12	9	0	10
Times split	12	9	0	10

	2002 Court	2012 Court	2020 PW CBase202	2022 PW 8C08
Communities of Interest Splits				
Indian Reservations				
Number split	2	2	2	2
Times split	2	2	2	2
Compactness				
Reock Mean (higher is better)	.42	.41	.41	.39
Polsby-Popper Mean (higher is better)	.31	.33	.33	.27
Convex Hull (higher is better)	.77	.77	.77	.73
Population Polygon (higher is better)	.68	.71	.71	.68
Population Circle (higher is better)	.34	.36	.36	.37
Incumbent Pairs				
Incumbents Paired	2	2	0	0
Open Seats	1	1	0	0
Democrat v. Democrat	0	0	0	0
Republican v. Republican	0	0	0	0
Democrat v. Republican	1	1	0	0
Cores of Prior Districts				
Average core of prior district		92%	NA	94%
Population Moved			NA	325,963

	2002 Court	2012 Court	2020 PW CBase202	2022 PW 8C08
Partisanship	1998 Index	2006-10 Index	2012-20 Index	2012-20 Index
Democratic Vote Statewide	45%	48%	51%	51%
Republican Vote Statewide	46%	45%	44%	44%
Third Party Vote Statewide	9%	7%	6%	6%
Democratic Plurality	3	3	4	4
Democratic Seat Gap (Districts with a plurality minus proportional seats)	(1)	(1)	0	0
Republican Plurality	5	5	4	4
Republican Seat Gap (Districts with a plurality minus proportional seats)	1	1	1	1
Competitive (Plurality 8% or less)	3	5	4	3
Safe (Plurality 20% or more)	0	1	2	2
Mean-Median Gap (Democratic minus Republican mean plurality minus median plurality. Ideal is 0.)	3%	7%	7%	6%
Lopsided Wins Gap (Democratic average winning plurality minus Republican average winning plurality. Ideal is 0.)	4%	15%	13%	14%
Declination (Losing and winning Democratic pluralities graphed from smallest to largest. Difference of angles of losing and winning graphs converted to a scale of -1 to 1. Ideal is 0.)	14%	29%	16%	17%
Efficiency Gap (Democratic wasted votes minus Republican wasted votes. Ideal is 0.)	9%	17%	9%	10%

Legislative Plan Comparison 2022 PW L10

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
Population Equality				
SENATE DISTRICTS				
Overall Range	1.35%	1.42%	20.96%	3.83%
Mean Deviation	0.28%	0.21%	4.57%	0.77%
HOUSE DISTRICTS				
Overall Range	1.56%	1.60%	36.00%	3.96%
Mean Deviation	0.32%	0.29%	5.15%	0.99%
Minority Districts -Voting Age Population				
SENATE DISTRICTS				
Majority-Minority Districts	2	1	4	4
Districts 30% or more total minority population	3	6	9	10
Largest total minority population	53.9%	53.5%	62.1%	62.6%
Largest Black population	35.7%	34.6%	30.1%	30.6%
Largest Asian population	11.6%	19.2%	30.1%	30.5%
Largest Hispanic population	18.4%	20.8%	18.4%	17.9%
Largest American Indian population	12.0%	14.0%	12.0%	11.0%

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
HOUSE				
DISTRICTS				
Majority-Minority Districts	4	5	8	9
Districts 30% or more total minority population	9	13	20	21
Largest total minority population	66.1%	56.4%	65.5%	66.8%
Largest Black population	45.8%	35.2%	36.1%	35.5%
Largest Asian population	19.8%	23.1%	34.5%	35.4%
Largest Hispanic population	19.0%	21.5%	19.2%	27.3%
Largest American Indian population	15.0%	16.0%	15.0%	21.0%
Political Subdivision Splits				
SENATE DISTRICTS				
Counties				
Number split	31	39	39	45
Times split	76	86	85	97
Cities, Townships, Unorganized Territories				
Number split	25	44	41	38
Times split	36	53	50	47
Precincts				
Number split	69	98	0	1
Times split	70	99	0	1

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
HOUSE DISTRICTS				
Counties				
Number split	50	54	54	54
Times split	148	163	163	174
Cities, Townships, Unorganized Territories				
Number split	46	88	81	73
Times split	77	118	111	104
Precincts				
Number split	119	242	0	28
Times split	121	246	0	28
Indian Reservation Splits				
SENATE DISTRICTS				
Indian Reservations				
Number split	6	6	7	5
Times split	13	12	11	10
HOUSE DISTRICTS				
Indian Reservations				
Number split	7	7	8	6
Times split	17	14	14	13

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
Compactness				
SENATE DISTRICTS				
Reock Mean (higher is better)	.44	.45	.45	.45
Polsby-Popper Mean (higher is better)	.41	.41	.41	.40
Convex Hull (higher is better)	.79	.80	.80	.79
Population Polygon (higher is better)	.76	.77	.77	.76
Population Circle (higher is better)	.45	.49	.49	.48
HOUSE DISTRICTS				
Reock Mean (higher is better)	.44	.44	.44	.42
Polsby-Popper Mean (higher is better)	.42	.41	.41	.38
Convex Hull (higher is better)	.80	.79	.79	.77
Population Polygon (higher is better)	.76	.75	.75	.73
Population Circle (higher is better)	.45	.45	.45	.43

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
Incumbent Pairs				
SENATE DISTRICTS				
Incumbents Paired	18	16	0	10
Open Seats	9	8	0	5
Democrat v. Democrat	2	2	0	2
Republican v. Republican	3	4	0	3
Democrat v. Republican	4	2	0	0
HOUSE DISTRICTS				
Incumbents Paired	34	30	0	45
Open Seats	17	15	0	23
Democrat v. Democrat	5	6	0	9
Republican v. Republican	5	6	0	8
Democrat v. Republican	7	3	0	5
Cores of Prior Districts				
SENATE DISTRICTS				
Average core of prior district	69%	81%	NA	78%
People Moved			NA	1,243,808
HOUSE DISTRICTS				
Average core of prior district	66%	76%	NA	71%
People Moved			NA	1,645,349

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
Partisanship	1998 Index	2006-10 Index	2012-20 Index	2012-20 Index
Democratic Vote Statewide	45%	48%	51%	51%
Republican Vote Statewide	46%	45%	44%	44%
Third Party Vote Statewide	9%	7%	6%	6%
SENATE DISTRICTS				
Democratic Plurality	28	29	38	38
Democratic Seat Gap (Districts with a plurality minus proportional seats)	(2)	(3)	4	4
Republican Plurality	39	38	29	29
Republican Seat Gap (Districts with a plurality minus proportional seats)	8	8	0	0
Competitive (plurality 8% or less)	27	23	16	13
Safe (plurality 20% or more)	15	17	25	25
Mean-Median Gap (Democratic minus Republican mean plurality minus median plurality. Ideal is 0.)	3%	7%	5%	4%
Lopsided Wins Gap (Democratic average winning plurality minus Republican average winning plurality. Ideal is 0.)	4%	14%	9%	9%
Declination (Losing and winning Democratic pluralities graphed from smallest to largest. Ideal is 0.)	12%	22%	4%	5%
Efficiency Gap (Democratic wasted votes minus Republican wasted votes. Ideal is 0.)	6%	13%	4%	4%

	2002 Court	2012 Court	2020 PW LBase202	2022 PW L10
Partisanship	1998 Index	2006-10 Index	2012-20 Index	2012-20 Index
Democratic Vote Statewide	45%	48%	51%	51%
Republican Vote Statewide	46%	45%	44%	44%
Third Party Vote Statewide	9%	7%	6%	6%
HOUSE DISTRICTS				
Democratic Plurality	58	59	71	75
Democratic Seat Gap (Districts with a plurality minus proportional seats)	(2)	(6)	3	7
Republican Plurality	76	75	63	59
Republican Seat Gap (Districts with a plurality minus proportional seats)	14	15	5	1
Competitive (plurality 8% or less)	51	44	28	27
Safe (plurality 20% or more)	35	40	55	58
Mean-Median Gap (Democratic minus Republican mean plurality minus median plurality. Ideal is 0.)	3%	5%	5%	3%
Lopsided Wins Gap (Democratic average winning plurality minus Republican average winning plurality. Ideal is 0.)	3%	14%	12%	10%
Declination (Losing and winning Democratic pluralities graphed from smallest to largest. Ideal is 0.)	10%	21%	11%	6%
Efficiency Gap (Democratic wasted votes minus Republican wasted votes. Ideal is 0.)	5%	13%	8%	5%