

Plan Analysis

Below is my personal analysis of the Proposed Plans for the Redistricting 2020 effort. I have listed six (6) factors that I typically use to analyze any plan. I have done this to aid you in your own analysis to help you decide which plan is best overall for the Bogalusa City School Board. I have listed the 6 factors and given an explanation as to what they represent. Each of these factors are a part of what is generally agreed as "sound Redistricting Principles". This is not all of those principles. Principles such as contiguousness and individual District Deviation, among others, are not listed but all of the plans developed meet the State and Federal requirements for such.

The 6 factors I used and their explanation are as follows:

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|-------------------------------|--|
| Range of Deviation | This is the total range of deviation from the mean across Districts expressed as a percentage of the mean. This number represents how close the 5 Districts are in total population. The lower the number the better. The magic number for range of deviation is 10%. Anything below 10% is considered acceptable. |
| Compactness | This is a computer generated rating number between 1 and 100 that measures the compactness of a Plan. The higher the number, the more compact a plan is. A rating between 40 -60 is considered "OK". From 60 - 80 is considered "Good". A rating above 80 is considered "Very Good". Generally speaking, the more compact a district is, the less porportional in relation to minority representation it becomes. This is particularly true with political jurisdictions that have an urban and rural mix to the population. For this reason it is sometimes more "fair" to the population to sacrifice compactness in favor of other factors. |
| Overall Minority Rep. | This measures the minority representation in the non-minority districts as a percentage of the total population in each district. Voting Age Population (VAP) is used for this analysis. In essence, this measures the overall competitiveness of a plan. The higher the percentage the more competitive it is. |
| Minority District Rep. | This looks at the strength of the minority in the three majority minority districts and the potential electability of a minority candidate. Voting Age Population is the basis of this analysis. The higher the precentage the better. |
| Pop. Displacement | This looks at the number of individuals who are moved from one district to another. The fewer people displaced in the New Plan, the easier it will be for the Registrar of Voters to implement the plan and easier it is for voters as a whole to adjust to the New Plan. |
| Precinct Splits | This counts the number of precincts that are divided into more than one district in each Plan. This has to do with ease of implementation and voter convenience as well. |

Plan Analysis Details

Overall Minority Representation						
BCSB	4	5	6	7	Minority Rep	Rank
Plan A	16.19%	33.75%	13.28%	43.51%	26.68%	1
Plan B	7.88%	33.25%	21.90%	43.51%	26.64%	3
Plan C	7.88%	33.25%	21.90%	43.51%	26.64%	3
Plan D	7.88%	30.52%	25.08%	43.24%	26.68%	1

Range of Dev.		
Plan	% Dev	Rank
Plan A	8.03%	4
Plan B	8.44%	2
Plan C	8.44%	2
Plan D	5.49%	1

Precinct Splits		
Plan	Splits	Rank
Plan A	3	3
Plan B	2	1
Plan C	2	1
Plan D	3	3

Pop. Displaced		Minority District Representation						
	Total	Rank	BCSB	1	2	3	Avg	Rank
Plan A	2178	1	Plan A	65.69%	62.93%	62.10%	63.57%	3
Plan B	2757	4	Plan B	65.69%	62.93%	62.10%	63.57%	3
Plan C	2669	3	Plan C	64.63%	64.12%	62.10%	63.62%	1
Plan D	2347	2	Plan D	64.63%	64.12%	62.10%	63.62%	1

Compactness		
Plan	Score	Rank
Plan A	63	4
Plan B	66	3
Plan C	69	2
Plan D	72	1

Plan Ranking	Plan A	Plan B	Plan C	Plan D
Range of Deviation	4	2	2	1
Compactness	4	3	2	1
Overall Minority Rep	1	3	3	1
Minority District Rep.	3	3	1	1
Pop. Displacement	1	4	3	2
Precinct Splits	3	1	1	3
Total Plan Scores	16	16	12	9

There are many schools of thought on which redistricting principles are more important and I do have my own thoughts on what is most important. In my analysis above, I have given each of the factors used in ranking the plans equal weight. I prefer to use weighted factors only in the case of a tie between two or more plans after my initial analysis. I have rated the plans 1 through 4 in each category I considered, and computed the total score for each plan. The lower the score, the better I consider the plan to be. As you can see, Plan D came out the clear winner in my personal analysis. Again, I emphasize that this is my personal analysis and you are in no way bound by it. I have shared it only for the purpose of assisting you with your own analysis of the plans. I believe that each of the four plans have merits and that any of the four would garner approval from both the state and justice department. The plan you choose to approve is up to you. I look forward to meeting with you in the future to move forward in our effort.