

Drawing Districts that Provide  
Minority Voters with an  
Opportunity to Elect Their  
Candidates of Choice:  
Part II

Dr. Lisa Handley

# Complying with the Voting Rights Act and U.S. Constitution

- If, based on an analysis of voting patterns, it is determined voting is racially polarized, districts that offers minority voters an opportunity to elect their candidates of choice must be drawn or, if they already exist, maintained.
- Line drawers cannot simply set an arbitrary demographic target (e.g., 50% black voting age population) for all minority opportunity districts across the jurisdiction (*Alabama Legislative Black Caucus v. Alabama*, 2015).
- A district-specific, functional analysis is required to determine if a proposed district will provide minority voters with the ability to elect minority-preferred candidates to office.

# Analysis of Voting Patterns in Yuma County

Yuma County	Party	Race	Vote Percent	Estimates for Hispanic Voters			Estimates for NonHispanic Voters		
				ER	EI	HP	ER	EI	HP
<b>2018 General Election</b>									
<b>Governor</b>									
Garcia	D	Hispanic	43.5	100.0	95.7		7.1	18.7	24.2
Ducey	R	NHWhite	54.6	0.0	2.3		90.9	79.4	74.6
Torres	G	Hispanic	1.9	4.7	4.3		2.0	1.0	1.2
Hispanic Turnout	21.3%								
NonHisp Turnout	49.2%								
<b>Attorney General</b>									
Contreras	D	Hispanic	48.1	100.0	95.3		11.8	25.1	28.8
Brnovich	R	NHWhite	51.9	0.0	4.7		88.2	74.9	71.2
Hispanic Turnout	21.3%								
NonHisp Turnout	47.6%								
<b>US House District 3 (split)</b>									
Grijalva (63.9)	D	Hispanic	61.0	100.0	94.5		8.9	32.1	
Pierson (36.1)	R	NHWhite	39.0	5.8	5.9		91.1	67.8	
Hispanic Turnout	21.7%								
NonHisp Turnout	57.2%								
<b>State Senate District 4</b>									
Otondo	D	Hispanic		unopposed			unopposed		
<b>State Senate District 13 (split)</b>									
Harris (37.5)	D	NHWhite	33.7	81.4	83.1		18.4	21.6	28.8
Kerr (62.5)	R	NHWhite	66.3	18.6	17.5		81.6	78.2	71.2
Hispanic Turnout	21.3%								
NonHisp Turnout	44.5%								
<b>2020 General Election</b>									
<b>US House District 3 (split)</b>									
Grijalva (64.6)	D	Hispanic	61.8	96.7	93.8		12.2	26.3	
Wood (35.4)	R	NHWhite	38.2	3.3	5.9		87.8	73.5	
Hispanic Turnout	40.1%								
NonHisp Turnout	83.2%								
<b>State Senate District 4 (split)</b>									
Otondo (56.2)	D	Hispanic	63.5	96.4	95.1		22.9	25.4	
Angry (43.8)	R	Black	36.5	3.6	4.9		77.1	74.4	
Hispanic Turnout	39.4%								
NonHisp Turnout	84.2%								
<b>State Senate District 13</b>									
Kerr	R	NHWhite	100.0	unopposed			unopposed		

## District-specific, Functional Approaches

- Estimates of participation rates, minority cohesion and white crossover voting for minority-preferred candidates derived from a racial bloc voting (RBV) analysis can be used to calculate the percentage minority population needed in a specific area for minority-preferred candidates to win a district in that area.
- Election results from previous contests that included minority-preferred candidates (“bellwether elections” as identified by the RBV analysis) can be recompiled to reflect the boundaries of the proposed district to determine if minority-preferred candidates would consistently carry this proposed district.

# Calculating the Percent Minority Population Needed to Win an Election

	Voters	Votes for Black-Preferred Candidate	Votes for White-Preferred Candidate
Blacks	$500 \times .50 = 250$	$250 \times .96 = 240$	$250 \times .04 = 10$
Whites	$500 \times .60 = 300$	$300 \times .30 = 90$	$300 \times .70 = 210$
Votes	550	330	220

- Solving for votes (example above): Participation rates (50% for Black VAP; 60% for white VAP), and levels of minority cohesion (96%) and white crossover votes (30%) used to estimate the percentage of votes Black-preferred candidate will receive.
- Solving for VAP: Participation rates, minority cohesion, and crossover votes for minority-preferred candidate used to estimate the percent minority population needed to provide minority-preferred candidate with at least 50% of the vote.

# Percent Hispanic CVAP Needed to Elect Candidates of Choice: Yuma County

Yuma County Percent Hispanic CVAP needed to win	race of H-P candidate	turnout rate and percent vote for Hispanic-preferred candidates						percent of vote H-P cand would have received if district was 60% Hispanic CVAP	percent of vote H-P cand would have received if district was 55% Hispanic CVAP	percent of vote H-P cand would have received if district was 50% Hispanic CVAP	percent of vote H-P cand would have received if district was 45% Hispanic CVAP	percent of vote H-P cand would have received if district was 40% Hispanic CVAP	percent Htive American CVAP must exceed for H-P candidate to win	comments
		Hispanic votes			NonHispanic votes									
		votes cast for office	H-P	all others	votes cast for office	H-P	all others							
2018 Governor	H	21.3	95.7	4.3	49.2	18.7	81.3	49.0	45.3	42.0	38.8	35.9	61.3	polarized
2018 Attorney General	H	21.3	95.3	4.7	47.6	25.1	74.9	53.3	49.9	46.8	43.9	41.2	55.1	polarized
2018 Cong District 3	H	21.7	94.5	5.5	57.2	32.1	67.9	54.7	51.9	49.3	46.9	44.7	51.5	polarized
2018 St Senate District 13	W	21.3	83.1	16.9	44.5	21.6	78.4	47.3	44.3	41.5	38.9	36.5	64.2	polarized
2020 Cong District 3	H	40.1	93.8	6.2	83.2	26.3	73.7	54.6	51.3	48.3	45.4	42.7	52.9	polarized
2020 St Senate District 4	H	39.4	95.1	4.9	84.2	25.4	74.6	54.1	50.8	47.6	44.7	42.0	53.8	polarized

# Percent Hispanic CVAP Needed to Elect Candidates of Choice: Pinal County

Pinal County Percent Hispanic CVAP needed to win	race of H-P candidate	turnout rate and percent vote for Hispanic-preferred candidates						percent of vote H-P cand would have received if district was 60% Hispanic CVAP	percent of vote H-P cand would have received if district was 55% Hispanic CVAP	percent of vote H-P cand would have received if district was 50% Hispanic CVAP	percent of vote H-P cand would have received if district was 45% Hispanic CVAP	percent of vote H-P cand would have received if district was 40% Hispanic CVAP	percent Htive American CVAP must exceed for H-P candidate to win	comments
		Hispanic votes			NonHispanic votes									
		votes cast for office	H-P	all others	votes cast for office	H-P	all others							
2018 Governor	H	20.7	89.2	10.8	43.6	24.7	75.3	51.5	48.4	45.5	42.7	40.2	57.6	polarized
2018 Attorney General	H	20.7	95.6	4.4	43.1	32.2	67.8	58.7	55.7	52.8	50.1	47.6	44.8	polarized
2018 Cong District 1	W	22.0	99.3	0.7	46.6	39.9	60.1	64.5	61.6	58.9	56.5	54.1	30.3	polarized
2018 Cong District 4	W	18.2	94.3	5.7	37.5	29.6	70.4	56.9	53.7	50.7	48.0	45.4	48.7	polarized
2018 St Senate District 8	W	19.3	100.0	0.0	72.6	31.1	68.9	50.7	48.0	45.6	43.4	41.5	58.7	polarized
2018 St Senate District 16	W	20.4	59.4	40.6	41.1	35.4	64.6	45.6	44.5	43.4	42.3	41.4	75.8	polarized
2020 Cong District 1	W	3.9	97.8	2.2	5.8	65.9	34.1	81.9	80.3	78.7	77.2	75.8		not polarized
2020 Cong District 4	H	17.2	77.9	22.1	22.5	29.8	70.2	55.5	53.0	50.6	48.3	46.0	48.6	polarized
2020 St Sen District 8	W	3.5	98.7	1.3	8.4	27.8	72.2	55.1	51.7	48.7	45.8	43.2	52.2	polarized

# Percent Hispanic CVAP Needed to Elect Candidates of Choice: Pima County

Pima County Percent Hispanic CVAP needed to win	race of H-P candidate	turnout rate and percent vote for Hispanic-preferred candidates						percent of vote H-P cand would have received if district was 60% Hispanic CVAP	percent of vote H-P cand would have received if district was 55% Hispanic CVAP	percent of vote H-P cand would have received if district was 50% Hispanic CVAP	percent of vote H-P cand would have received if district was 45% Hispanic CVAP	percent of vote H-P cand would have received if district was 40% Hispanic CVAP	percent Htive American CVAP must exceed for H-P candidate to win	comments
		Hispanic votes			NonHispanic votes									
		votes cast for office	H-P	all others	votes cast for office	H-P	all others							
2018 Governor	H	29.8	91.3	8.7	61.7	41.9	58.1	62.7	60.2	58.0	55.9	53.9	28.9	polarized
2018 Attorney General	H	29.8	99.2	0.8	60.3	49.9	50.1	70.9	68.5	66.2	64.1	62.1	0.4	
2018 Cong District 2	W	37.9	85.6	14.4	68.8	53.4	46.6	68.0	66.4	64.8	63.4	62.0		not polarized
2018 Cong District 3	H	29.1	97.4	2.6	48.9	49.9	50.1	72.3	69.9	67.6	65.5	63.4	0.4	
2018 St Senate District 2	W	26.7	99.7	0.3	55.2	42.2	57.8	66.4	63.6	60.9	58.5	56.2	24.5	polarized
2018 St Senate District 9	NA	27.4	64.4	35.6	64.6	33.7	66.3	45.6	44.2	42.8	41.6	40.5	72.7	polarized
2018 St Senate District 10	W	31.0	93.9	6.1	62.3	53.1	46.9	70.5	68.5	66.7	64.9	63.3		not polarized
2018 St Senate District 14	H	39.0	52.8	47.2	66.4	37.6	62.4	44.7	44.0	43.2	42.5	41.9	88.3	polarized
2020 Cong District 2	W	37.9	89.3	10.7	68.8	52.1	47.9	68.9	67.1	65.3	63.7	62.1		not polarized
2020 Cong District 3	H	26.6	98.1	1.9	41.0	47.5	52.5	72.5	69.9	67.4	65.0	62.8	7.4	polarized
2020 St Senate District 2	H	31.8	98.8	1.2	69.5	41.0	59.0	64.5	61.7	59.1	56.7	54.5	28.7	polarized
2020 St Senate District 4	H	7.5	98.5	1.5	10.8	42.8	57.2	71.2	68.4	65.6	63.0	60.4	17.6	polarized
2020 St Senate District 10	W	48.6	96.9	3.1	81.1	52.6	47.4	73.6	71.3	69.2	67.2	65.2		not polarized
2020 St Senate District 14	W	13.5	60.8	39.2	32.1	37.4	62.6	46.5	45.3	44.3	43.4	42.5	73.5	polarized