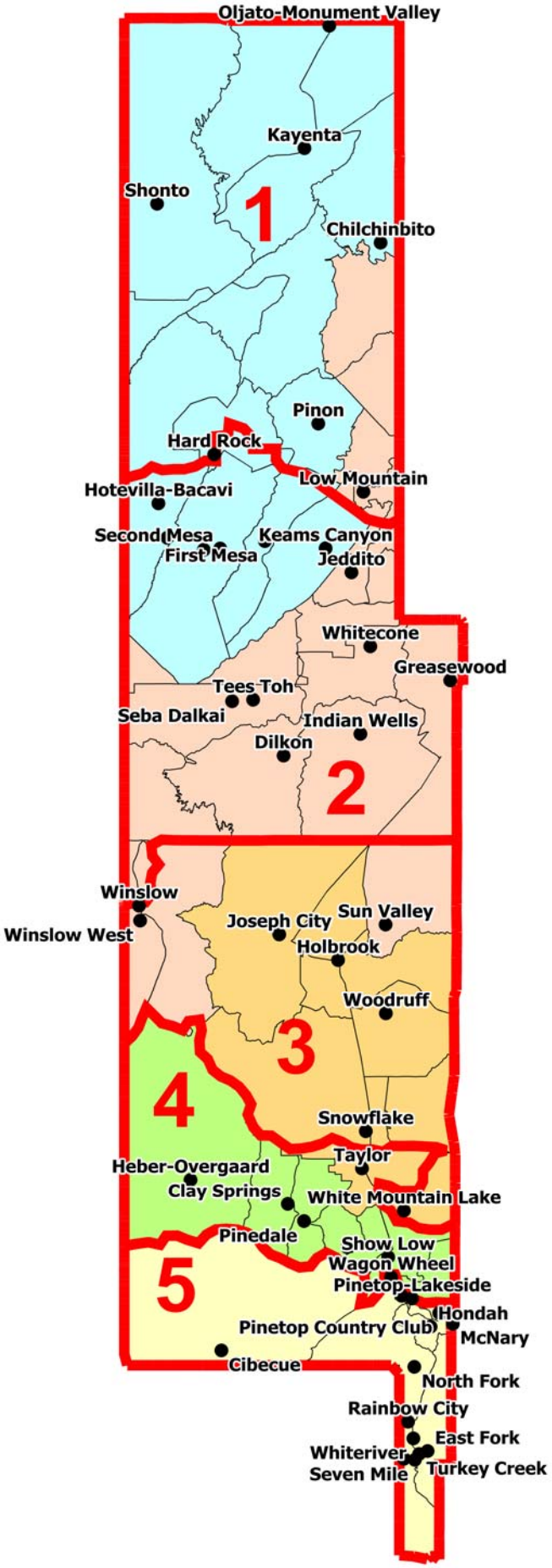
Changes Proposed to Navajo County Supervisor Districts by R Boyd, Plan rb06



Precincts

Current Districts

Proposed Districts

1

2

3

4

5

0 20 40 60

Miles

NAVAJO COUNTY SUPERVISOR AND COMMUNITY COLLEGE DISTRICTS
TOTAL POPULATION BY RACE AND HISPANIC ORIGIN
PLAN SUBMITTED BY: R Boyd, Plan rb06

Number:	**District 1**	**District 2**	**District 3**	**District 4**	**District 5**	**Total, All Districts**
Hispanic, of any race	395	3,173	3,527	2,662	1,814	***11,571***
Non-Hispanic White	584	3,710	15,907	18,046	8,934	***47,181***
Non-Hispanic Black	41	479	262	130	78	***990***
Non-Hispanic American Indian	19,240	12,983	2,447	764	11,049	***46,483***
Non-Hispanic Asian	47	122	153	173	159	***654***
Non-Hispanic Hawaiian	23	16	34	26	17	***116***
Non-Hispanic other race	0	23	30	16	15	***84***
Non-Hispanic two or more races	77	126	75	46	46	***370***
Total Population	***20,407***	***20,632***	***22,435***	***21,863***	***22,112***	***107,449***
Percent:						
Hispanic, of any race	1.94%	15.38%	15.72%	12.18%	8.20%	***10.77%***
Non-Hispanic White	2.86%	17.98%	70.90%	82.54%	40.40%	***43.91%***
Non-Hispanic Black	0.20%	2.32%	1.17%	0.59%	0.35%	***0.92%***
Non-Hispanic American Indian	94.28%	62.93%	10.91%	3.49%	49.97%	***43.26%***
Non-Hispanic Asian	0.23%	0.59%	0.68%	0.79%	0.72%	***0.61%***
Non-Hispanic Hawaiian	0.11%	0.08%	0.15%	0.12%	0.08%	***0.11%***
Non-Hispanic other race	0.00%	0.11%	0.13%	0.07%	0.07%	***0.08%***
Non-Hispanic two or more races	0.38%	0.61%	0.33%	0.21%	0.21%	***0.34%***
Total Percent	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***
Ideal Population	21,490	21,490	21,490	21,490	21,490	***Total***
Total Population	20,407	20,632	22,435	21,863	22,112	***deviation:***
Numeric deviation from Ideal Value	-1,083	-858	945	373	622	***2,028***
Percent deviation from Ideal Value	-5.04%	-3.99%	4.40%	1.74%	2.90%	***9.44%***

Source: Census 2010 Redistricting Data (Public Law 94-171) Summary file, Arizona

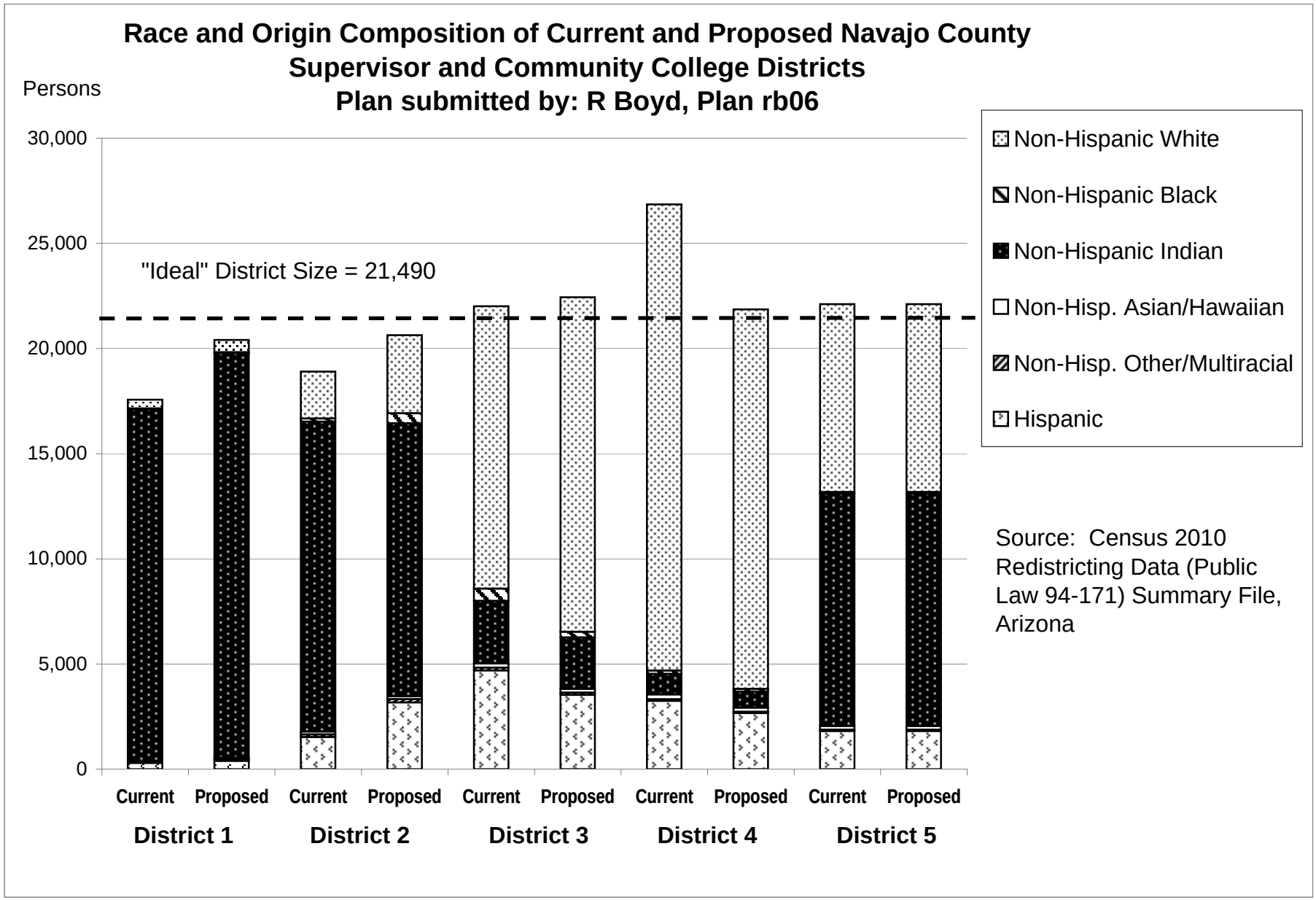
Tabulation: Research Advisory Services, Inc., Phoenix AZ (602) 230-9580

NAVAJO COUNTY SUPERVISOR AND COMMUNITY COLLEGE DISTRICTS
VOTING-AGE POPULATIONS BY RACE AND HISPANIC ORIGIN
PLAN SUBMITTED BY: R Boyd, Plan rb06

Voting-Age Number:	**District 1**	**District 2**	**District 3**	**District 4**	**District 5**	**Total, All Districts**
Hispanic, of any race	181	2,178	2,199	1,652	1,097	***7,307***
Non-Hispanic White	495	2,983	11,408	14,388	7,121	***36,395***
Non-Hispanic Black	29	415	177	78	44	***743***
Non-Hispanic American Indian	12,674	8,649	1,618	497	6,844	***30,282***
Non-Hispanic Asian	37	98	115	130	109	***489***
Non-Hispanic Hawaiian	5	13	12	22	10	***62***
Non-Hispanic other race	0	12	23	11	10	***56***
Non-Hispanic two or more races	24	39	34	24	21	***142***
Voting-Age Population	***13,445***	***14,387***	***15,586***	***16,802***	***15,256***	***75,476***
Voting-Age Percent:						
Hispanic, of any race	1.35%	15.14%	14.11%	9.83%	7.19%	***9.68%***
Non-Hispanic White	3.68%	20.73%	73.19%	85.63%	46.68%	***48.22%***
Non-Hispanic Black	0.22%	2.88%	1.14%	0.46%	0.29%	***0.98%***
Non-Hispanic American Indian	94.27%	60.12%	10.38%	2.96%	44.86%	***40.12%***
Non-Hispanic Asian	0.28%	0.68%	0.74%	0.77%	0.71%	***0.65%***
Non-Hispanic Hawaiian	0.04%	0.09%	0.08%	0.13%	0.07%	***0.08%***
Non-Hispanic other race	0.00%	0.08%	0.15%	0.07%	0.07%	***0.07%***
Non-Hispanic two or more races	0.18%	0.27%	0.22%	0.14%	0.14%	***0.19%***
Voting-Age Percent	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***

Source: Census 2010 Redistricting Data (Public Law 94-171) Summary file, Arizona

Tabulation: Research Advisory Services, Inc., Phoenix AZ (602) 230-9580


Race and Origin Composition of Current and Proposed Navajo County Supervisor and Community College Districts
Plan submitted by: R Boyd, Plan rb06
Persons
30,000
25,000
20,000
15,000
10,000
5,000
0
"Ideal" District Size = 21,490
Current
Proposed
District 1
District 2
District 3
District 4
District 5
Non-Hispanic White
Non-Hispanic Black
Non-Hispanic Indian
Non-Hisp. Asian/Hawaiian
Non-Hisp. Other/Multiracial
Hispanic
Source: Census 2010 Redistricting Data (Public Law 94-171) Summary File, Arizona

NAVAJO COUNTY SUPERVISOR AND COMMUNITY COLLEGE DISTRICTS
PLAN SUBMITTED BY: R Boyd, Plan rb06

	Current Districts	Proposed Plan	Change
Population, District 1	17,566	20,407	2,841
Population, District 2	18,906	20,632	1,726
Population, District 3	22,010	22,435	425
Population, District 4	26,855	21,863	-4,992
Population, District 5	22,122	22,112	-10
Population deviation, District 1	-3,924	-1,083	
Population deviation, District 2	-2,584	-858	
Population deviation, District 3	520	945	
Population deviation, District 4	5,365	373	
Population deviation, District 5	622	622	
Percent deviation, District 1	-18.26%	-5.04%	
Percent deviation, District 2	-12.02%	-3.99%	
Percent deviation, District 3	2.42%	4.40%	
Percent deviation, District 4	24.97%	1.74%	
Percent deviation, District 5	2.90%	2.90%	
Total plan deviation, number	9,289	2,028	
Total plan deviation, percent	43.23%	9.44%	
Percent voting-age Hispanic, District 1	1.05%	1.35%	0.30%
Percent voting-age Hispanic, District 2	6.67%	15.14%	8.47%
Percent voting-age Hispanic, District 3	20.47%	14.11%	-6.36%
Percent voting-age Hispanic, District 4	9.84%	9.83%	-0.01%
Percent voting-age Hispanic, District 5	7.19%	7.19%	0.00%
Percent voting-age Non-Hispanic Native American, District 1	95.28%	94.27%	-1.01%
Percent voting-age Non-Hispanic Native American, District 2	77.77%	60.12%	-17.65%
Percent voting-age Non-Hispanic Native American, District 3	12.36%	10.38%	-1.98%
Percent voting-age Non-Hispanic Native American, District 4	3.16%	2.96%	-0.20%
Percent voting-age Non-Hispanic Native American, District 5	44.86%	44.86%	0.00%
Percent voting-age Non-Hispanic Black, District 1	0.18%	0.22%	0.04%
Percent voting-age Non-Hispanic Black, District 2	0.76%	2.88%	2.12%
Percent voting-age Non-Hispanic Black, District 3	3.10%	1.14%	-1.96%
Percent voting-age Non-Hispanic Black, District 4	0.44%	0.46%	0.02%
Percent voting-age Non-Hispanic Black, District 5	0.29%	0.29%	0.00%
Percent voting-age total minority residents, District 1	96.85%	96.32%	-0.53%
Percent voting-age total minority residents, District 2	86.25%	79.27%	-6.98%
Percent voting-age total minority residents, District 3	37.31%	26.81%	-10.50%
Percent voting-age total minority residents, District 4	14.47%	14.37%	-0.10%
Percent voting-age total minority residents, District 5	53.32%	53.32%	0.00%

Consultant's review comments:

This plan makes a moderate reduction in the population deviation, but it is still far outside the acceptable range. Try to keep the population deviation to less than 5%.

The 7 percentage-point drop in voting-age minority residents in District 2 is probably not retrogressive because the proportion was very high to begin with. However, the 10 percentage-point drop in District 3 will probably be viewed as damaging to minority voting strength.