



County of Santa Cruz

COUNTY ADMINISTRATIVE OFFICE

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SUSAN A. MAURIELLO, J.D., COUNTY ADMINISTRATIVE OFFICER

June 4, 2001

Agenda: June 12, 2001

BOARD OF SUPERVISORS
County of Santa Cruz
701 Ocean Street
Santa Cruz, CA 95060

Redistricting of Supervisorial Boundaries Revised Targets for Third and Fifth District

Dear Members of the Board:

On April 17, 2001, your Board received a report which included information on the target for numerical equality for each Supervisorial District, and the shortages or excesses for each of the Districts, as compared to the target population.

Subsequent to the process of allocating the population to the County's registration precincts, and the delivery of that information to Board offices, it was brought to staff's attention that the Census Bureau's distribution of the population associated with the Santa Cruz campus of the University of California (UCSC) did not appear to represent how housing is distributed on campus. After consultation with the Census Bureau, and in collaboration with the Redistricting Working Group, it was proposed that a redistribution of the population to accurately reflect housing would be appropriate.

The proposed redistribution resulted in a revised schedule of shortages or excesses for the Fifth and the Third District. At the same time, staff determined that the most recent version of precinct boundaries at the campus was not represented in the County's mapping system. The precinct boundary lines have also been revised to reflect changes implemented by the Elections department to address congestion issues at campus polling locations.

Preliminary conversations with the Census Bureau indicate that the Bureau will permit a revision, based on the location of housing on campus as presented by staff. The targets are illustrated in the table that follows, and maps with revised population numbers and precinct boundaries for the UCSC campus have been distributed to each of your offices.

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Revised Table of Population Targets

District	Population Target	Census Population	Over/Under Population Target
1 st	51,120	49,297	(1,823)
2 nd	51,120	47,325	(3,795)
3 rd	51,120	49,556	(1,564)
4 th	51,120	57,196	6,076
5 th	51,120	52,228	1,108
County Population		255,602	

A description of the issues associated with the distribution of the UCSC population, and the method used for revising the distribution of the population is attached for your reference.

It is therefore RECOMMENDED that your Board approve the revisions in the population distribution among the various UCSC precincts as outlined herein, adopt the revised schedule of population targets for the Third and Fifth District, and accept and file this report on the redistricting of Supervisorial boundaries.

Very truly yours,



SUSAN A. MAURIELLO
County Administrative Officer

Attachment

SAM:sp/s:redistricting/revisedtargets.wpd

Distribution of the Population at the University of California's Santa Cruz Campus

On April 17, 2001, the Santa Cruz County Board of Supervisors received a report which included information on the target for numerical equality for each Supervisorial District, and the shortages or excess for each of the Districts, as compared to the target population. Table 1 demonstrates the population targets for each District.

Table 1. - April 17, 2001 Population Targets for Districts

District	Population Target	Census Population	Over/Under Population Target
1 st	51,120	49,297	(1,823)
2 nd	51,120	47,325	(3,795)
3 rd	51,120	47,178	(3,942)
4 th	51,120	57,196	6,076
5 th	51,120	54,606	3,486
County Population		255,602	

Subsequent to the process of allocating the population to the County's registration precincts, and the delivery of that information to Board offices, it was brought to staffs attention that the Census Bureau's distribution of the population associated with the Santa Cruz campus of the University of California (UCSC) did not appear to represent how housing is distributed on campus. A review of the 2000 Census population count for the census blocks associated with the University of California's Santa Cruz campus demonstrated a significant deviance from the count as reported in the 1990 Census. Table 2 illustrates the block count differences for the 1990 Census and the 2000 Census. The blocks for which there is a significant deviation are in bold.

Table 2. Census Block Count for UCSC

Block Numbers 2000/1990	1990 Count	2000 Count
1004001000	NA	0
1004001001/1004-111	854	3,161
1004001002/1004-105	0	0
1004001003/1004-101A	1,985	615
1004001004/1004-106	933	83
1004001005	NA	0
1004001006	NA	0

1004001007	NA	0
1004001008/1004-110	0	0
1004001009	NA	0
1004001010/1004-113	184	222
1004001001/1004-114	23	98
1004001012	NA	0
Total Count	3,979	4,179

A review of maps of the 1990 and 2000 census block boundaries established that the blocks at UCSC were essentially the same for 1990 and 2000. Technical staff provided an overlay of aerial photographs of the campus with census block boundaries to establish a relationship between the blocks and housing on campus. Based on the aerial photographs, and a map of the UCSC campus, the 1990 allocation of the total population among the blocks reflects the location of housing. This did not appear to be the case for year 2000. For example, the eastern-most block, 2000 block number 104001001 (1001), encompasses the colleges of Cowell and Stevenson, the University Field House (gym and pool, no residences) and a large swath of vacant land.

The County requested and received from the University's Housing Office an occupancy report of the campus population. The University's report was developed from a census that was conducted on April 21, 2000, within three weeks of the federal decennial effort. According to the University's Housing office, the base capacity of Cowell College is 409, the base capacity of Stevenson is 435, so the count of 854 in 1990 for this block is reflective of housing information. For Census 2000, this block was assigned a population of 3,161. Of the census blocks at the University, blocks 104001003 (1003) and 104001004 (1004) also had counts for 2000 that did not reflect the location of housing. Therefore staff confined the population redistribution process to these three blocks only.

After conversations with the Census Bureau regarding possible remedies, staff concluded that an adjustment of distribution was possible. Any formal challenge of the count total, rather than the count distribution, could be addressed in collaboration with the City of Santa Cruz as a part of the Count Resolution Program phase of the 2000 Census.

The Process for Redistributing Population

Based on the University Occupancy Report, and using the aerial photographs and campus maps, staff established that 17% of the occupancy was located within the boundaries of block 1041001, 60% was located in block 104001003, and 23% was located in census block 104001004. In total, the University's census of occupancy within the three blocks in April 2000 was 5,049. The Census Bureau's count for these three blocks in April 2000 was 3,859. Staff applied a 24% undercount to the University's occupancy of units in block 1001 to reach a revised total occupancy of 667. Based on the occupancy report, 72% of the remaining population was housed in block 1003, and 28% in block 1004. Table 3 demonstrates the revised counts for blocks 1001, 1003 and 1004.

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3160	87	407	320
3161	180	330	150
3163	64	630	566
3164	127	315	188
3165	101	432	331
3166	341	390	49
3167	233	412	179
3168	11	482	471
3169	N/A	124	124
District 3 Total	4,672	4,672	2,378

The redistribution resulted in a revised schedule of shortages or excesses for the Fifth and Third District. Table 5 provides the revised population targets for the Supetvisorial Districts.

Table 5. - Revised Table of Population Targets

District	Population Target	Census Population	Over/Under Population Target
1 st	51,120	49,297	(1,823)
2 nd	51,120	47,325	(3,795)
3 rd	51,120	49,556	(1,564)
4 th	51,120	57,196	6,076
5 th	51,120	52,228	1,108
County Population		255,602	

Staff will be working with the Census Bureau's Count Resolution Program staff to formalize the revised counts for the University's census blocks. Preliminary conversations with Bureau staff indicate that the Bureau will permit a revision, based on the location of housing on campus, as presented by staff.

Table 3. - Revised Census Block Count for UCSC

Block Numbers 2000/1990	1990 Count	2000 Count	Revised 2000 Count
1004001000	NA	0	0
1004001001/1004-111	854	3,161	667
1004001002/1004-105	0	0	0
1004001003/1004-101A	1,985	615	2,298
1004001004/1004-106	933	83	894
1004001005	NA	0	0
1004001006	NA	0	0
1004001007	NA	0	0
1004001008/1004-110	0	0	0
1004001009	NA	0	0
1004001010/1004-113	184	222	222
1004001001/1004-114	23	98	98
1004001012	NA	0	0
Total Count	3,979	4,179	4,179

At the same time, staff determined that the most recent version of precinct boundaries at the campus was not represented in the County's current mapping system. The precinct boundary lines were revised to reflect the changes that had been implemented by the County's Clerk Recorder to address congestion issues at campus polling places.

To distribute the population in the University's census blocks to University precincts, staff calculated the proportion of the occupancy located in each precinct, and applied that proportion to the revised census blocks. This resulted in a revised count for the University precincts, which is illustrated in Table 5 below.

Table 4. - Revised Precinct Count for UCSC

Precinct Number	Original Precinct Count	Revised Precinct Count	Difference
5101	662	472	(190)
5162	2,866	341	(2,525)
5163	N/A	337	337
District 5 Total	3,528	1,150	(2,378)