Date: October 5, 2021

To: Independent Redistricting Commission Members

From: Kevin J. Jackson, Deputy City Manager

Subject: Redistricting Partners Inc. Report on 2020 Redistricting Data Update

On August 31, 2021, staff provided a memo on Preliminary Redistricting Data which included the 2020 Census (Legacy) data in the existing City Council districts. The California Statewide Database released the Adjusted 2020 Census Files with the adjusted inmate reallocation on September 20, 2021. Redistricting Partners Inc. has updated the attached report to include the Prison Population Adjustments for the 2020 Census data in the existing City Council districts.

If you have any questions, please contact Bradley Bounds II at (562) 570-6787 or via email at Bradley.Bounds@longbeach.gov.

ATTACHMENT: EXISTING DISTRICTS: 2020 CENSUS WITH PRISON POPULATION ADJUSTMENT

C: AMY R. WEBBER, DEPUTY CITY ATTORNEY
       TAYLOR M. ANDERSON, DEPUTY CITY ATTORNEY
       MONIQUE DE LA GARZA, CITY CLERK
       JONATHAN NAGAYAMA, CITY CLERK ANALYST
       BRADLEY BOUNDS II, REDISTRICTING PROGRAM SPECIALIST
       PATRICIA ALEMAN, COMMUNICATIONS COORDINATOR
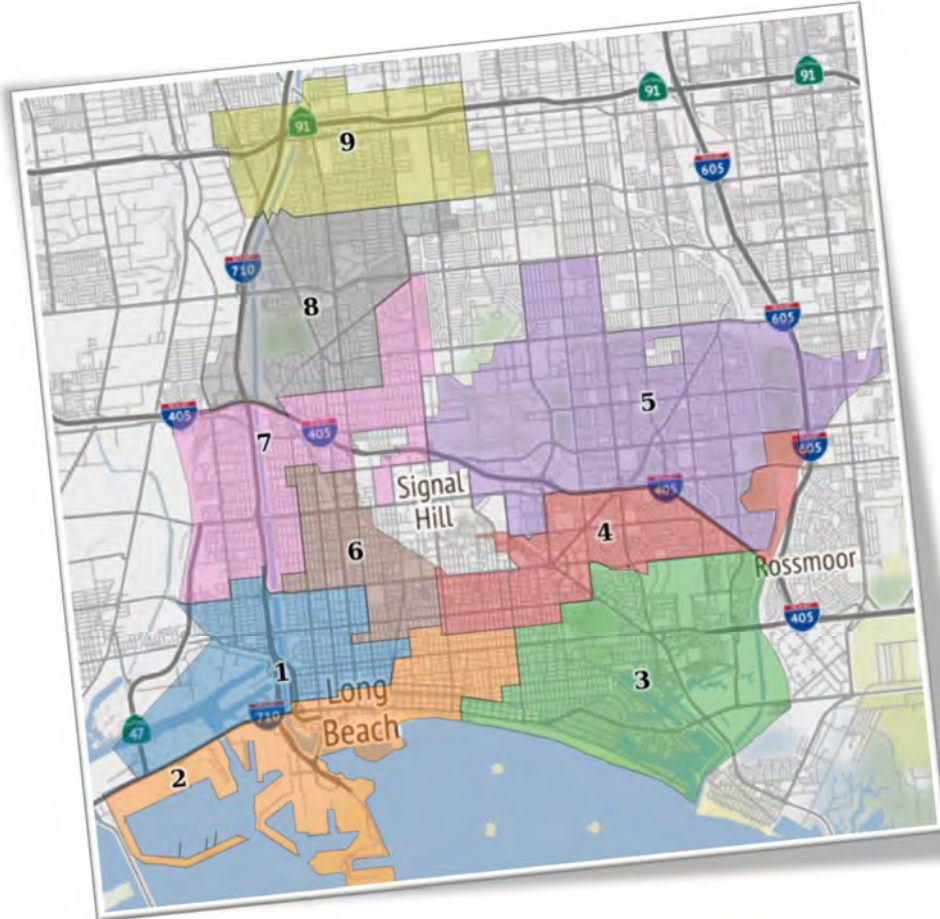
City of Long Beach

Existing Districts: 2020 Census
with Prison Population Adjustment

2010 District Populations

The City of Long Beach last redistricted in 2011 with a council-based process. Materials from that redistricting, including community of interest testimony and draft plans, were provided to the commission in a prior agenda item.

The populations of each district at that time were based on the 2010 Decennial Census. The full redistricting plan was balanced to a deviation standard of 10%, with a specific adherence to a full plan range of +5% / -5%.

2010 Census Population

	Population	Deviation	
1	49,117	-2,247	-4.4%
2	51,232	-132	-0.3%
3	52,320	956	1.9%
4	51,456	92	0.2%
5	49,855	-1,509	-2.9%
6	49,444	-1,920	-3.7%
7	52,013	649	1.3%
8	53,009	1,645	3.2%
9	53,828	2,464	4.8%
Total Deviation			*9.2%*

As the following table shows, utilizing the American Community Survey (ACS) data from the 2006-2010 vintage which would be used in the 2011 redistricting, there was no district which was 50% or more of any single Citizen Voting Age Population (CVAP) ethnic/racial subset.

2010 Citizen Voting Age Population (2006-2010 ACS)

	Total CVAP	CVAP Asian		CVAP Black		CVAP Latino	
1	18,606	1,652	9%	4,416	24%	6,908	37%
2	31,828	3,039	10%	4,668	15%	7,040	22%
3	42,067	2,126	5%	1,672	4%	4,809	11%
4	30,536	3,780	12%	3,821	13%	7,656	25%
5	37,241	2,751	7%	1,065	3%	5,392	14%
6	19,591	4,966	25%	5,010	26%	6,409	33%
7	30,452	7,651	25%	6,123	20%	6,977	23%
8	29,005	3,736	13%	7,903	27%	8,412	29%
9	25,596	2,414	9%	7,269	28%	9,824	38%

This data in the maps that follow include the white and other small population CVAPs under a title of "CVAP Other," a calculation that represents groups that would not have potential effective concentration in the City of Long Beach.

Population Growth and Estimated Deviations

The Statewide Database at UC Berkeley recently released the final census dataset, which identifies the whole count of persons and where they resided as of April 1, 2020. Redistricting Partners has concluded the work of placing this data into the census blocks, block groups, and tracts.[1]

This data represents the whole population data after to a state required reallocation of prison population that was performed by the Statewide Database at UC Berkeley.

The prison population adjustment added 2,158 residents to the city's population when compared to the legacy data that was released in August. The greatest growth was in District 9 which gained 400 residents. The least growth was District 3 which gained only 50 residents.

Including the adjustment, the population change over the last decade ranged from a growth of 2,892 residents in District 7 to the loss of 2,030 residents in District 6.

<div align="center">

2020 Census Populations and Growth
(2010 Census to 2020 Census)

	2020	2010	Change	
1	47,710	49,117	-1,407	-2.9%
2	51,771	51,232	539	1.1%
3	53,367	52,320	1,047	2.0%
4	51,836	51,456	380	0.7%
5	52,193	49,855	2,338	4.7%
6	47,414	49,444	-2,030	-4.1%
7	54,905	52,013	2,892	5.6%
8	54,674	53,009	1,665	3.1%
9	55,028	53,828	1,200	2.2%
Total	468,898	462,274	6,624	1.4%

</div>

With a new total population of 468,898, the ideal population for any district would be 52,100.

As the following table shows, the seat with the greatest population is District 7 with a deviation of 5.8% and the district with the lowest population is District 6 with a deviation of -8.9% placing the city at a total of 14.7% deviation, outside of the 10% required deviation range.

---

[1] These counts are based on the 2020 Census geography. There may be slight differences as many census blocks were consolidated.

2020 Total Census Population and Deviations

	Population	Deviation	
1	47,384	-4,476	-8.6%
2	51,558	-302	-0.6%
3	53,317	1,457	2.8%
4	51,504	-356	-0.7%
5	51,900	40	0.1%
6	47,270	-4,590	-8.9%
7	54,847	2,987	5.8%
8	54,332	2,472	4.8%
9	54,628	2,768	5.3%
Total Deviation			*14.7*

The CVAP Population has grown considerably faster than the overall city population. Based on these estimates, during the 10-year period since the last redistricting, the population of Adult Citizens has grown by 15.5% - significantly higher than the city population as a whole. This increased the share of the population that are eligible voters from 57% of all residents to 65%.

Ethnic and Racial Composition

The ethnic and racial composition of the city, and each district, can be compared between the 2010 census and the 2020 prison population adjusted census as one way to understand the changing communities. Overall, the city saw the greatest increase among Latino residents at a citywide 7% growth rate.

Racial and Ethnic Population
(2010 Census to 2020 Prison Population Adjusted Census)

	Asian			Black			Latino		
	2010	2020		2010	2020		2010	2020	
1	3,381	3,457	2%	7,261	7,197	-1%	31,575	28,262	-10%
2	4,780	4,573	-4%	7,212	6,108	-15%	19,553	20,509	5%
3	3,967	4,281	8%	1,976	2,019	-2%	7,900	10,781	36%
4	8,116	7,604	-6%	6,061	5,560	-8%	18,439	20,503	11%
5	4,196	5,205	24%	1,768	2,034	15%	9,844	13,605	38%
6	9,971	8,919	-11%	8,695	7,017	-19%	27,105	26,491	-2%
7	12,892	12,483	-3%	8,185	7,904	-3%	18,765	21,931	17%
8	7,144	7,167	0%	10,974	10,300	-8%	23,858	26,661	12%
9	5,057	5,593	11%	10,484	8,620	-18%	31,477	34,350	9%

The ethnic and racial data used for Voting Rights Act calculations comes from the ACS which has been finalized for the current redistricting cycle. These data show the change in the ethnic composition of districts using a different dataset, one which relies on multi-year averages and is not as prone to wide swings based on single-year counts.

Current Citizen Voting Age Population
(Current ACS)

	Total CVAP	CVAP Asian		CVAP Black		CVAP Latino	
1	25,480	2,322	9%	4,570	18%	11,419	45%
2	36,498	3,601	10%	5,097	14%	10,055	28%
3	43,277	3,266	8%	1,820	4%	6,332	15%
4	35,515	5,361	15%	4,133	12%	10,196	29%
5	38,195	3,651	10%	2,119	6%	7,873	21%
6	26,610	6,652	25%	5,549	21%	11,009	41%
7	36,182	8,247	23%	6,162	17%	11,043	31%
8	33,715	4,993	15%	8,023	24%	13,115	39%
9	30,408	3,378	11%	6,958	23%	14,646	48%

These totals for current CVAP in comparison to the data from 2010 presents the significant rates of growth for each of these protected classes, as can be seen in the following chart. Overall, Adult Citizen growth was 7% among Latinos, 1% among Asians, and there was a loss of 3% among African Americans. Most significant change was the double-digit Latino CVAP growth in Districts 8 and 9, and a shift in two districts, 1 and 9, to more than 45% Latino.

Adult Citizen Population Ethnic Change (2010 vintage – current)

	Total Change	CVAP Asian Change		CVAP Black Change		CVAP Latino Change	
1	6,874	670	0%	154	-6%	4,511	8%
2	4,670	562	0%	429	-1%	3,015	6%
3	1,210	1,140	3%	148	0%	1,523	4%
4	4,979	1,581	3%	312	-1%	2,540	4%
5	954	900	3%	1,054	3%	2,481	7%
6	7,019	1,686	0%	539	-5%	4,600	8%
7	5,730	596	-2%	39	-3%	4,066	8%
8	4,710	1,257	2%	120	-3%	4,703	10%
9	4,812	964	2%	-311	-5%	4,822	10%

Attached is a full packet with a map of each district and their population details based on the total population count of the 2020 Census.

City of Long Beach
Current Lines

REDISTRICTING PARTNERS
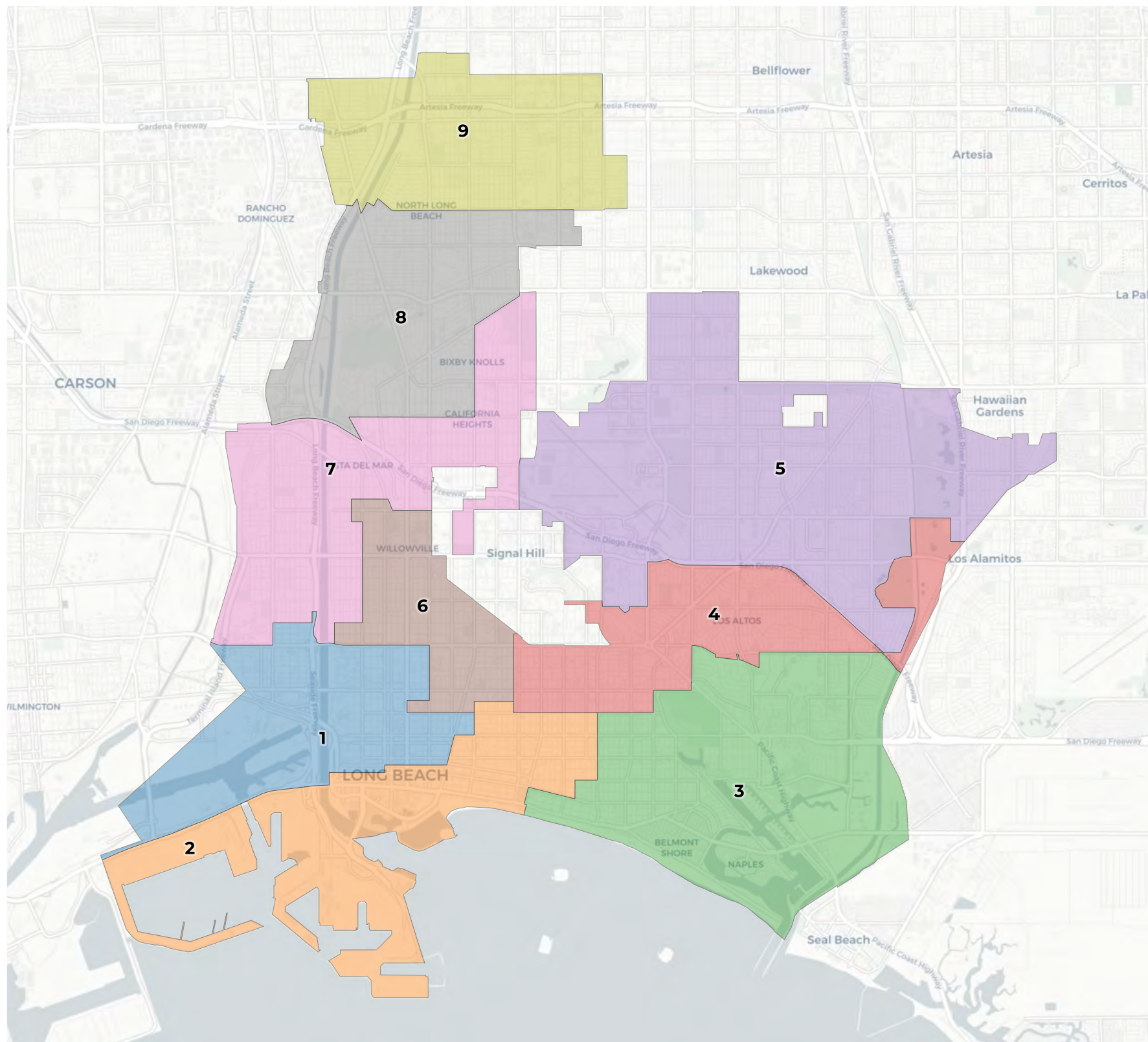
2020 Census

	1	2	3	4	5	6	7	8	9
Population	47,710	51,771	53,367	51,836	52,193	47,414	54,905	54,674	55,028
Deviation	-4,390	-329	1,267	-264	93	-4,686	2,805	2,574	2,928
Deviation %	-8.4%	-0.6%	2.4%	-0.5%	0.2%	-9.0%	5.4%	4.9%	5.6%
Other	8,794	20,581	36,286	18,169	31,349	4,987	12,587	10,546	6,465
Other %	18.4%	39.8%	68.0%	35.1%	60.1%	10.5%	22.9%	19.3%	11.7%
Latino	28,262	20,509	10,781	20,503	13,605	26,491	21,931	26,661	34,350
Latino %	59.2%	39.6%	20.2%	39.6%	26.1%	55.9%	39.9%	48.8%	62.4%
Asian	3,457	4,573	4,281	7,604	5,205	8,919	12,483	7,167	5,593
Asian %	7.2%	8.8%	8.0%	14.7%	10.0%	18.8%	22.7%	13.1%	10.2%
Black	7,197	6,108	2,019	5,560	2,034	7,017	7,904	10,300	8,620
Black %	15.1%	11.8%	3.8%	10.7%	3.9%	14.8%	14.4%	18.8%	15.7%

Citizen Voting Age Population (CVAP)

	1	2	3	4	5	6	7	8	9
Total CVAP	25,480	36,498	43,188	35,606	38,351	26,502	36,192	33,715	30,408
Other CVAP	7,169	17,744	31,774	15,912	24,628	3,377	10,722	7,584	5,426
Other CVAP %	28.1%	48.6%	73.6%	44.7%	64.2%	12.7%	29.6%	22.5%	17.8%
Latino CVAP	11,419	10,055	6,331	10,197	7,920	10,951	11,073	13,115	14,646
Latino CVAP %	44.8%	27.5%	14.7%	28.6%	20.7%	41.3%	30.6%	38.9%	48.2%
Asian CVAP	2,322	3,601	3,263	5,364	3,673	6,631	8,240	4,993	3,378
Asian CVAP %	9.1%	9.9%	7.6%	15.1%	9.6%	25.0%	22.8%	14.8%	11.1%
Black CVAP	4,570	5,097	1,820	4,133	2,129	5,544	6,156	8,023	6,958
Black CVAP %	17.9%	14.0%	4.2%	11.6%	5.6%	20.9%	17.0%	23.8%	22.9%

# District 1
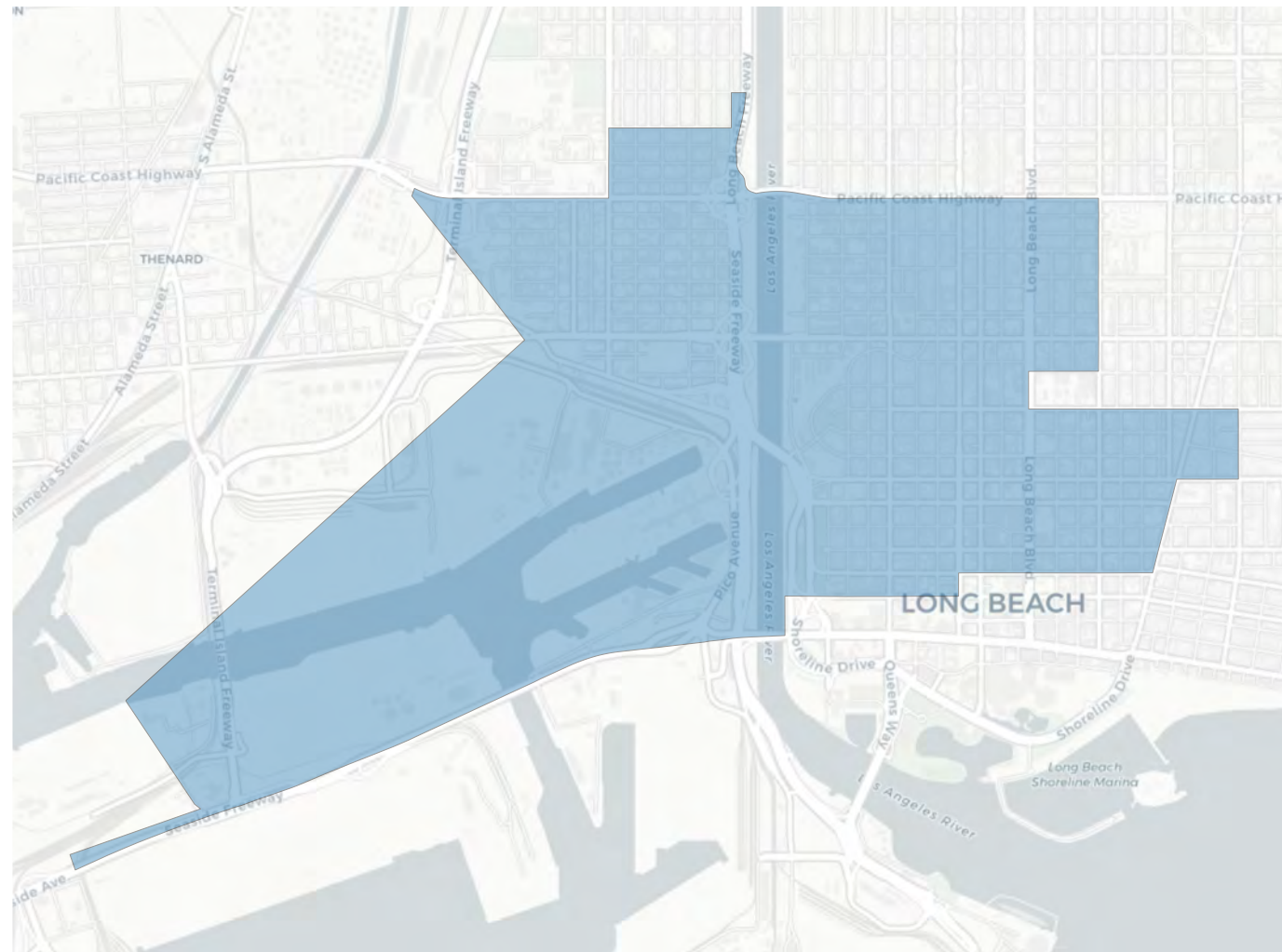
2020 Census
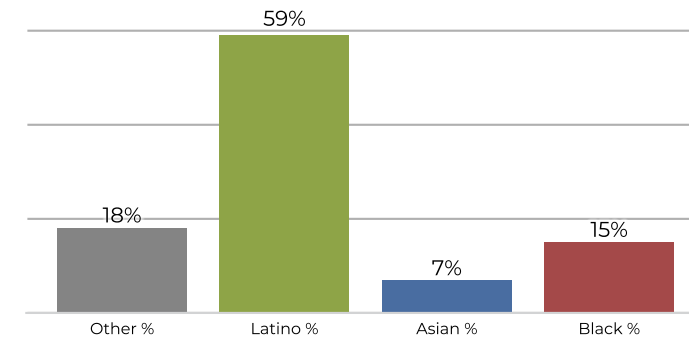
Citizen Voting Age Population
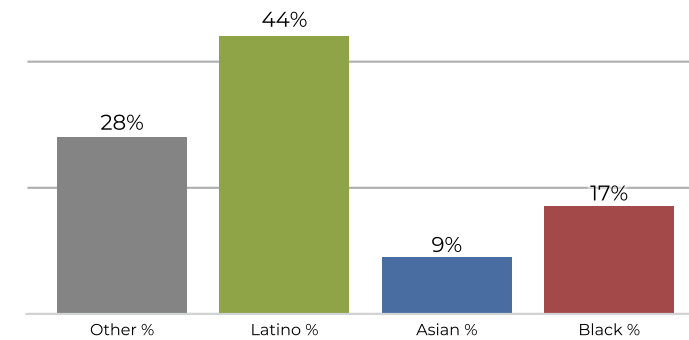
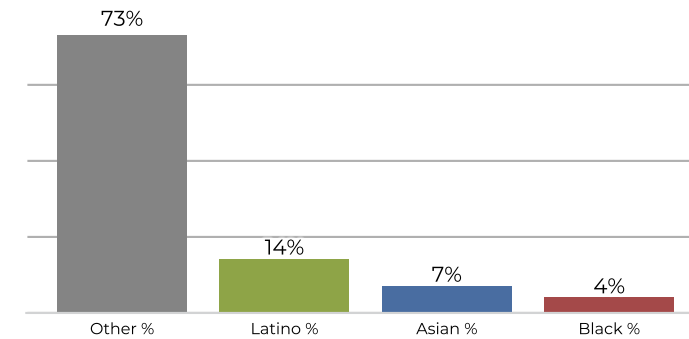| Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
47,710	-4,390	-8.4%	8,794	18.4%	28,262	59.2%	3,457	7.2%	7,197	15.1%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
25,480	7,169	28.1%	11,419	44.8%	2,322	9.1%	4,570	17.9%
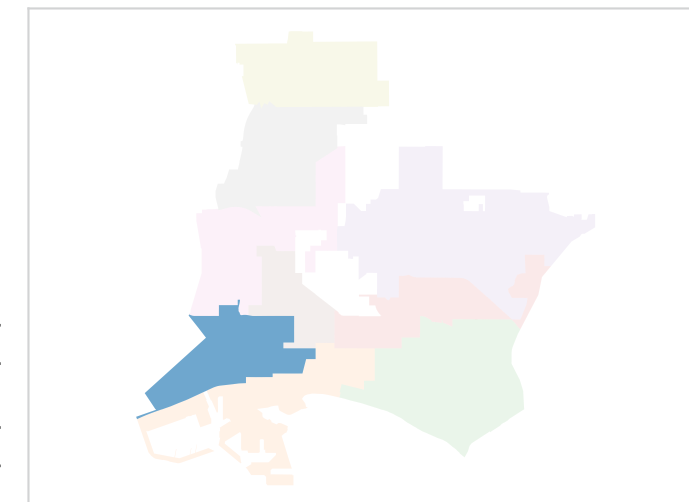
District 2
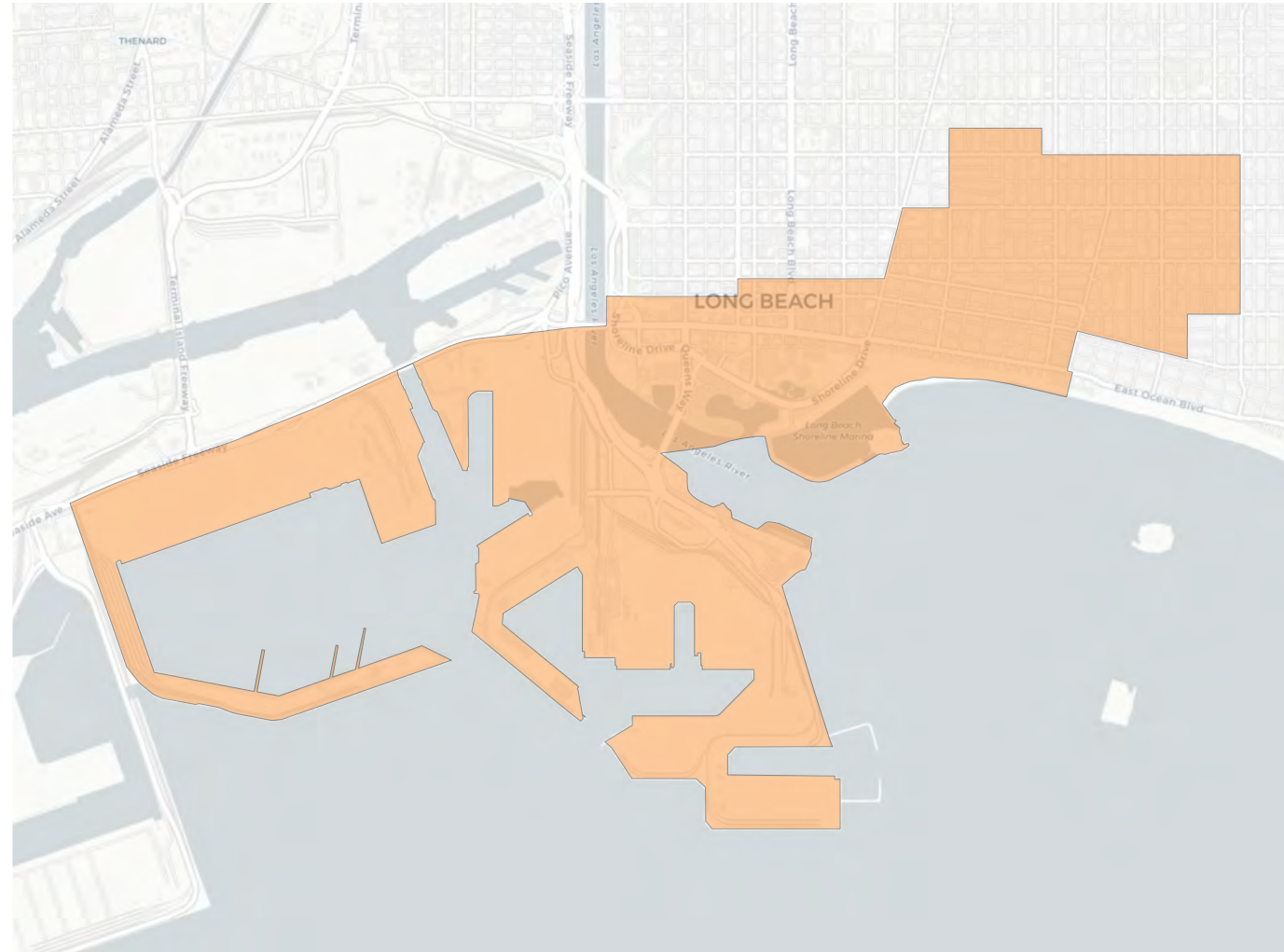

2020 Census
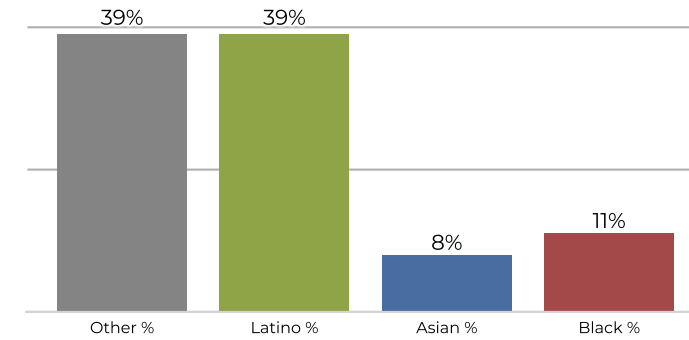
Citizen Voting Age Population
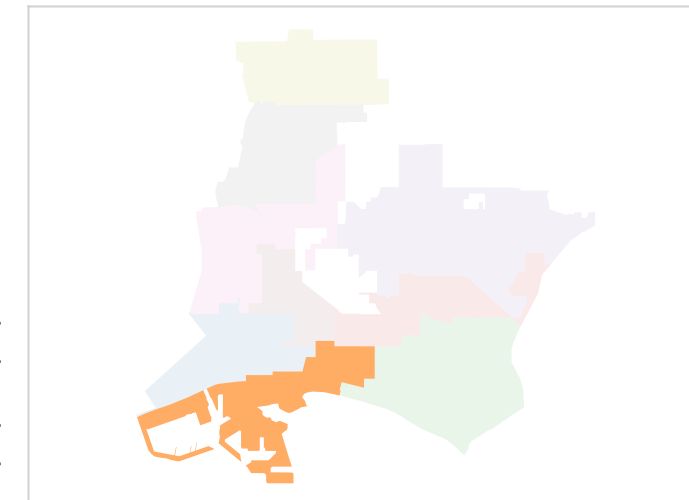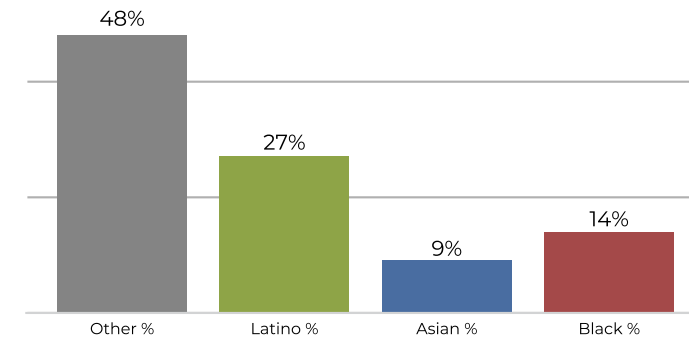
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
51,771	-329	-0.6%	20,581	39.8%	20,509	39.6%	4,573	8.8%	6,108	11.8%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
36,498	17,744	48.6%	10,055	27.5%	3,601	9.9%	5,097	14.0%

District 3
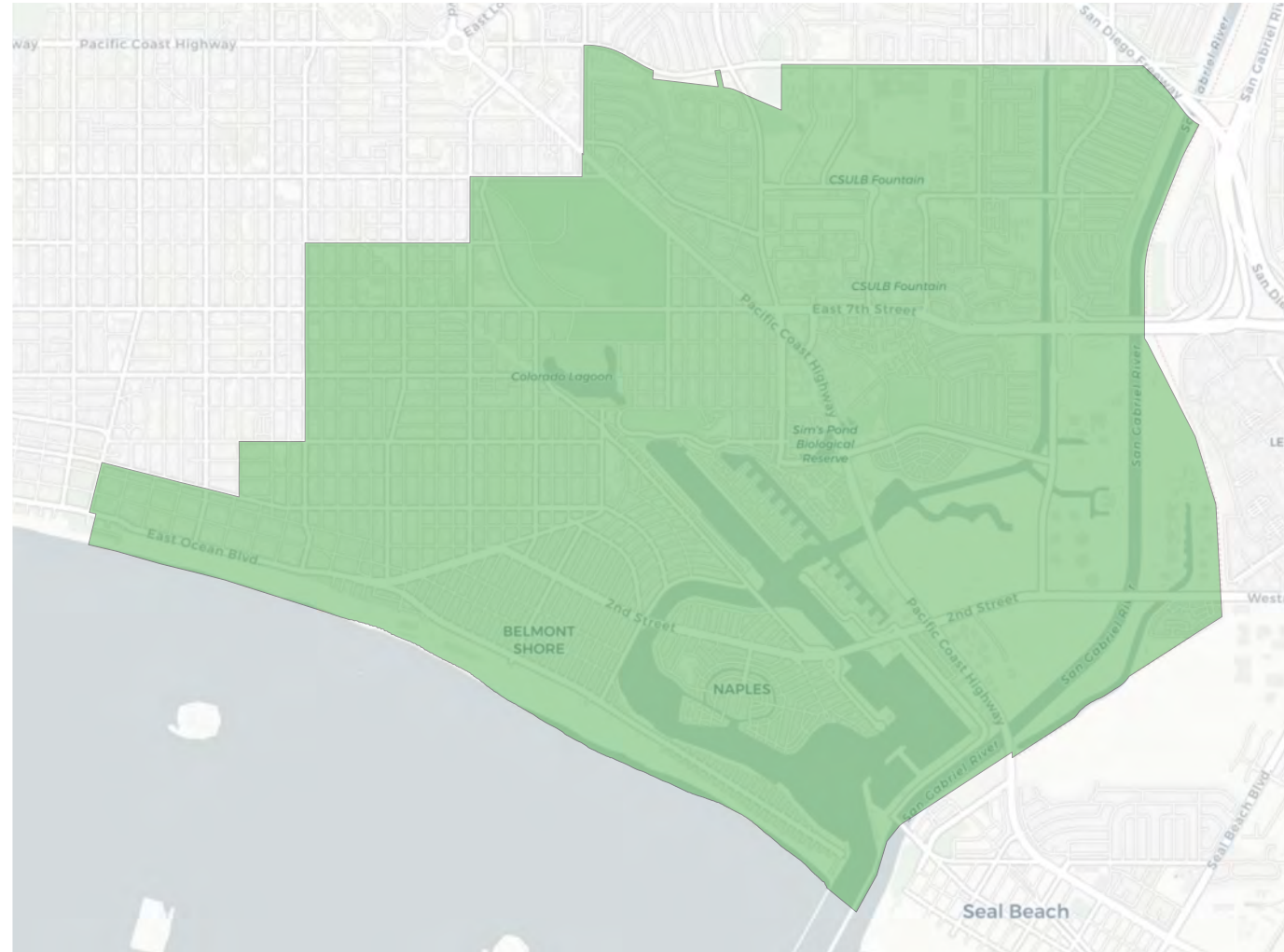
2020 Census
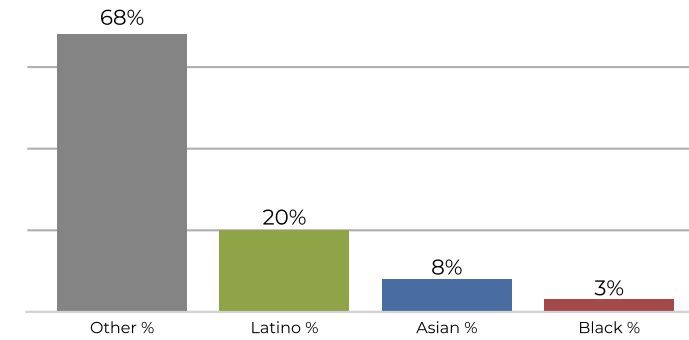
68%	20%	8%	3%
Other %	Latino %	Asian %	Black %

Citizen Voting Age Population

73%	14%	7%	4%
Other %	Latino %	Asian %	Black %

Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
53,367	1,267	2.4%	36,286	68.0%	10,781	20.2%	4,281	8.0%	2,019	3.8%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
43,188	31,774	73.6%	6,331	14.7%	3,263	7.6%	1,820	4.2%
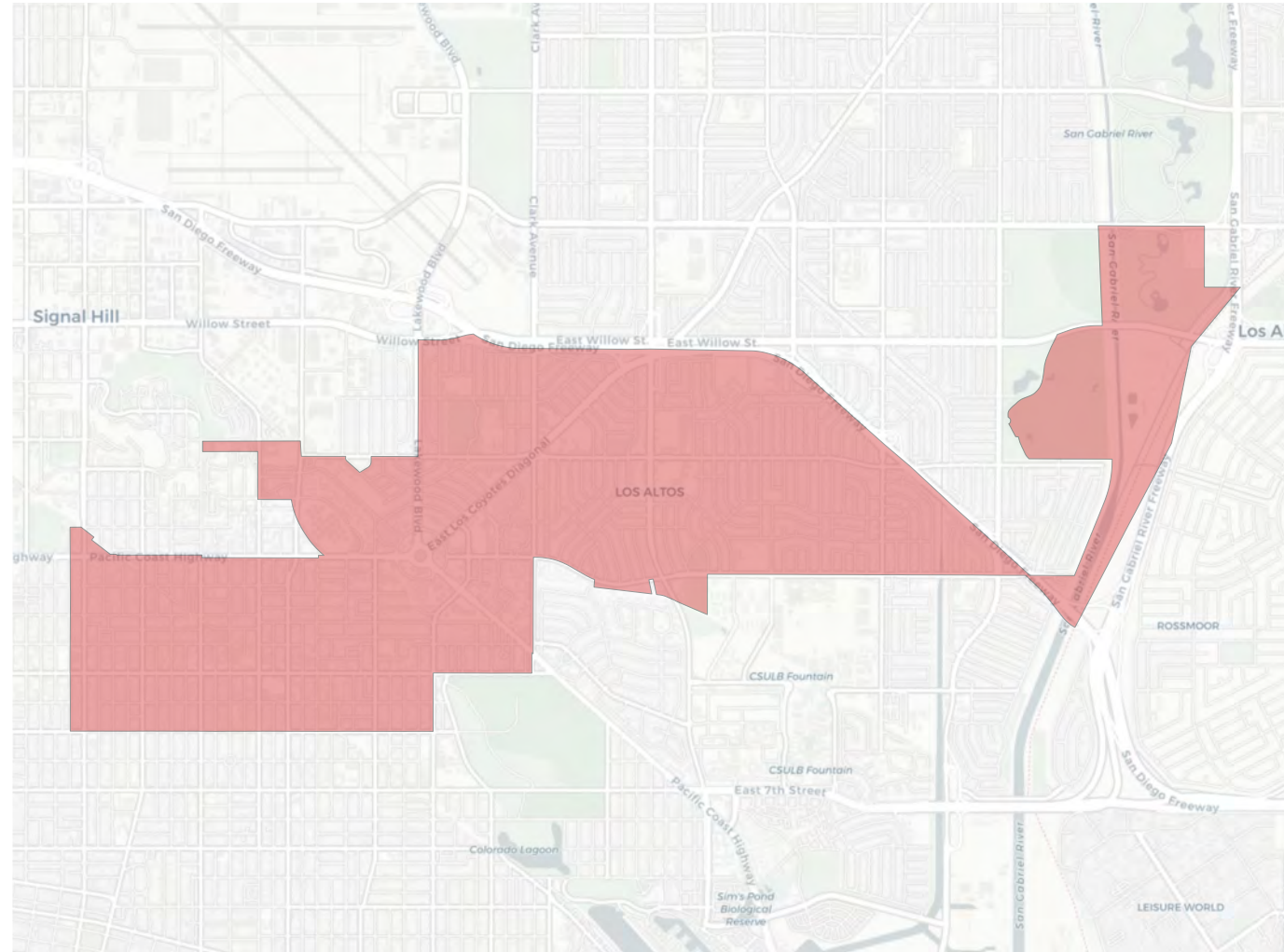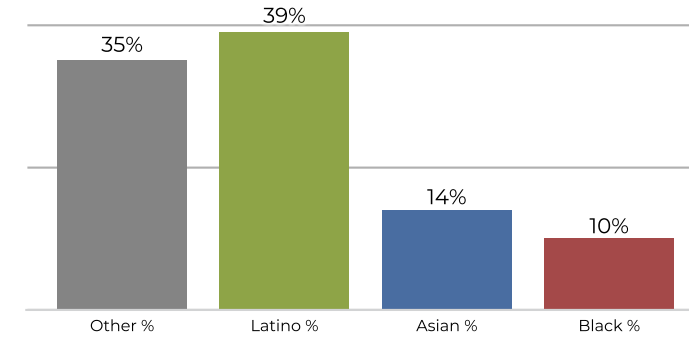
City of Long Beach
Current Lines

District 4
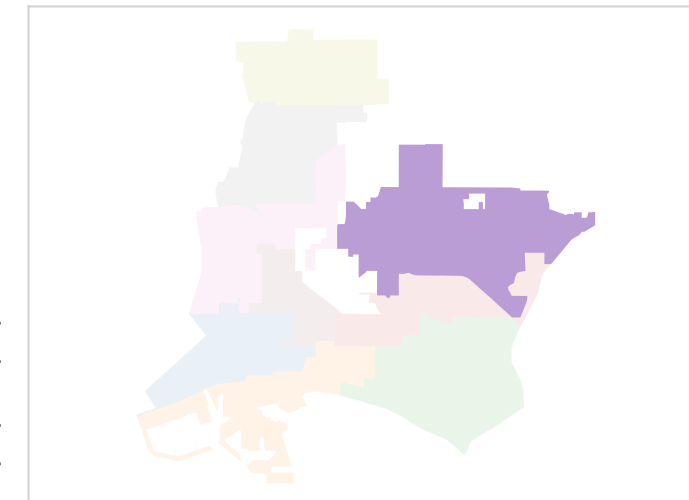

2020 Census

Citizen Voting Age Population
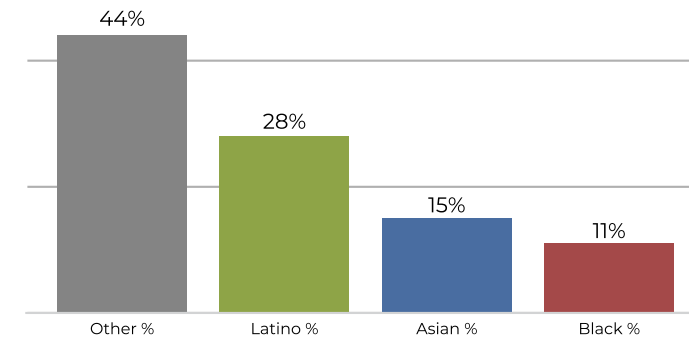
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
51,836	-264	-0.5%	18,169	35.1%	20,503	39.6%	7,604	14.7%	5,560	10.7%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
35,606	15,912	44.7%	10,197	28.6%	5,364	15.1%	4,133	11.6%
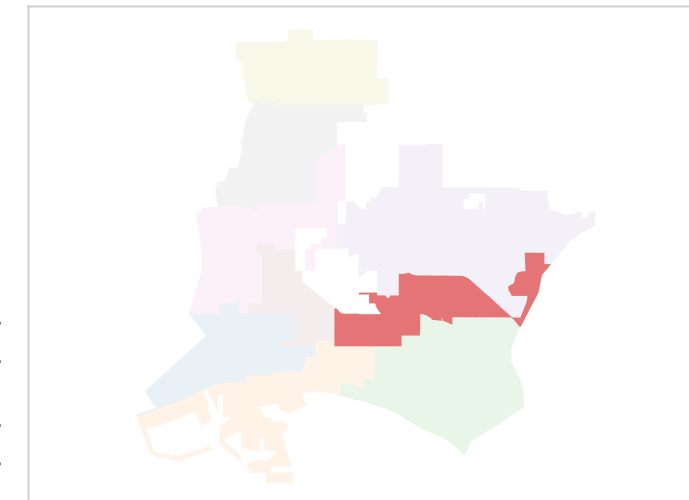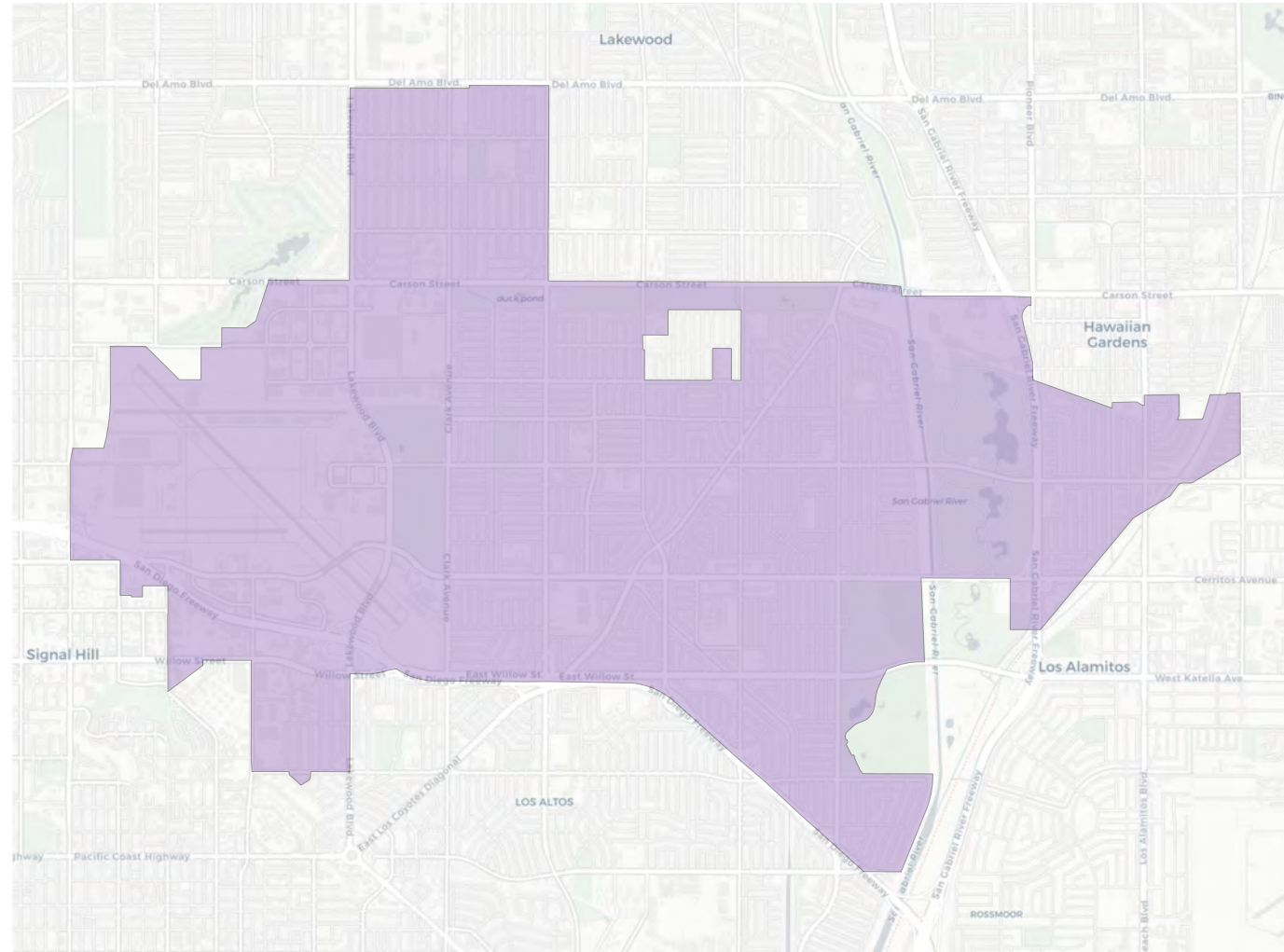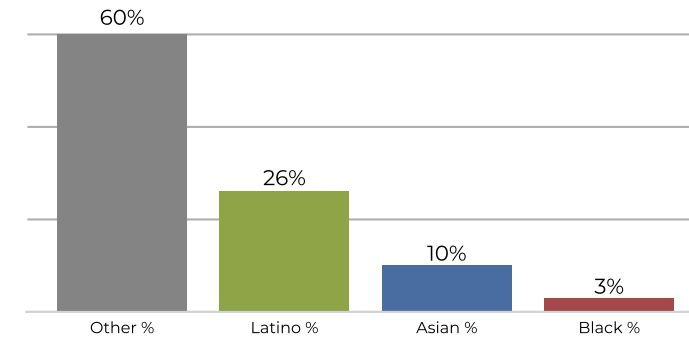
City of Long Beach
Current Lines

District 5

2020 Census

60%	26%	10%	3%
Other %	Latino %	Asian %	Black %

Citizen Voting Age Population

64%	20%	9%	5%
Other %	Latino %	Asian %	Black %
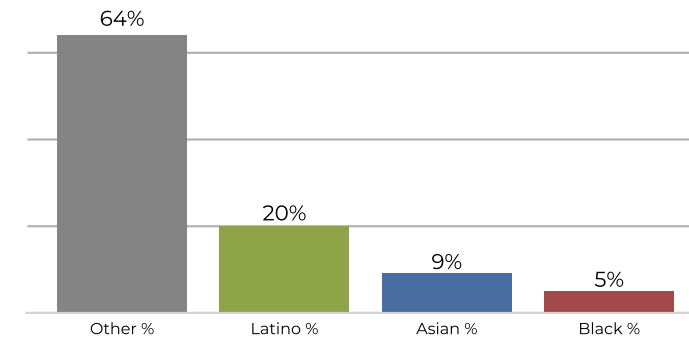
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
52,193	93	0.2%	31,349	60.1%	13,605	26.1%	5,205	10.0%	2,034	3.9%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
38,351	24,628	64.2%	7,920	20.7%	3,673	9.6%	2,129	5.6%

District 6
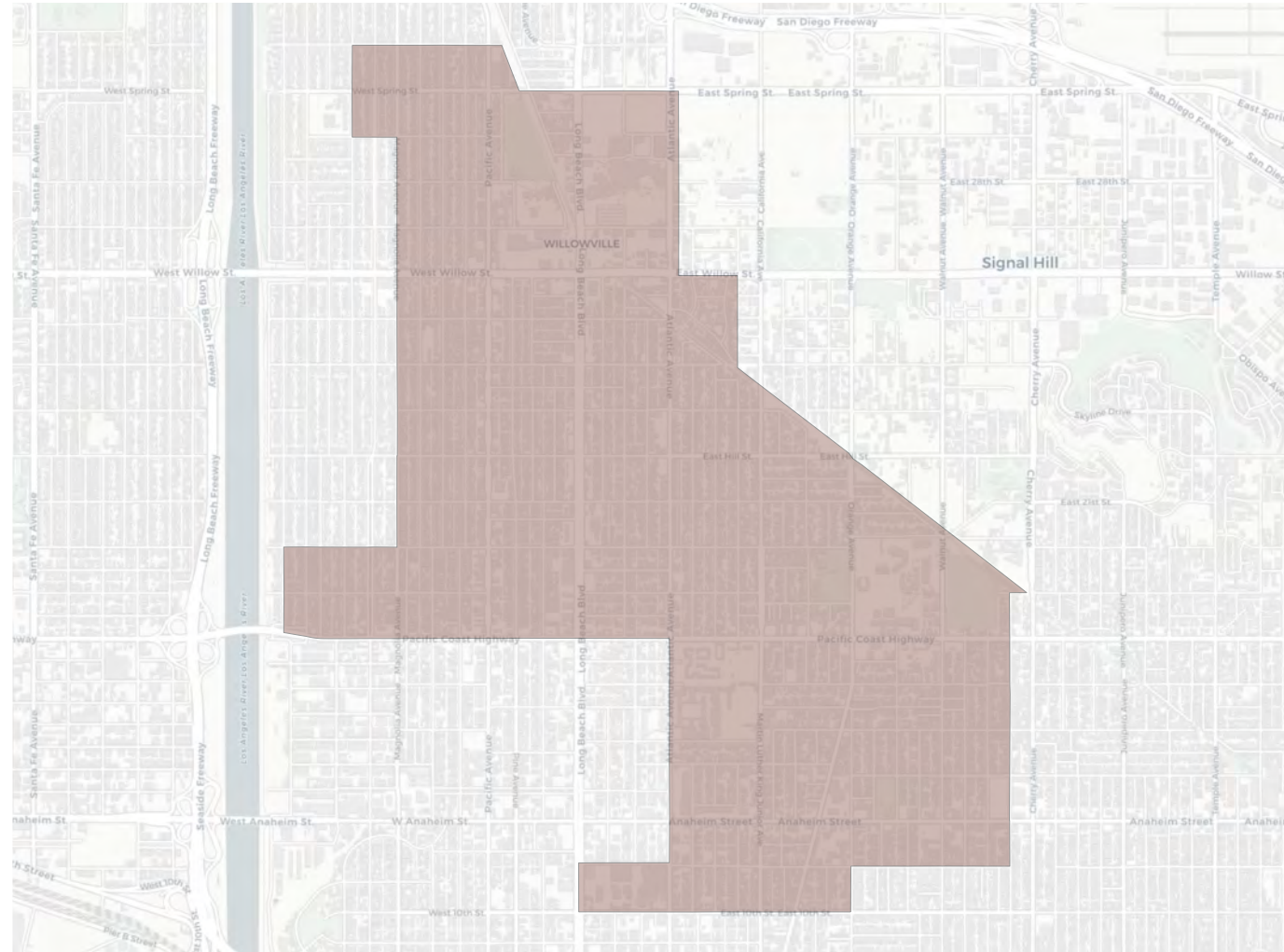
2020 Census
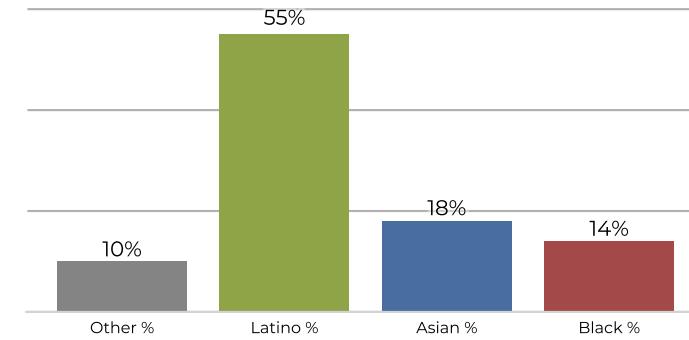
	55%		
10%		18%	14%
Other %	Latino %	Asian %	Black %

Citizen Voting Age Population

	41%		
12%		25%	20%
Other %	Latino %	Asian %	Black %
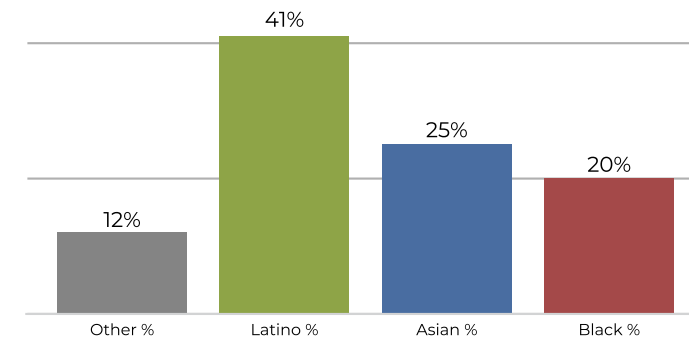
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
47,414	-4,686	-9.0%	4,987	10.5%	26,491	55.9%	8,919	18.8%	7,017	14.8%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
26,502	3,377	12.7%	10,951	41.3%	6,631	25.0%	5,544	20.9%
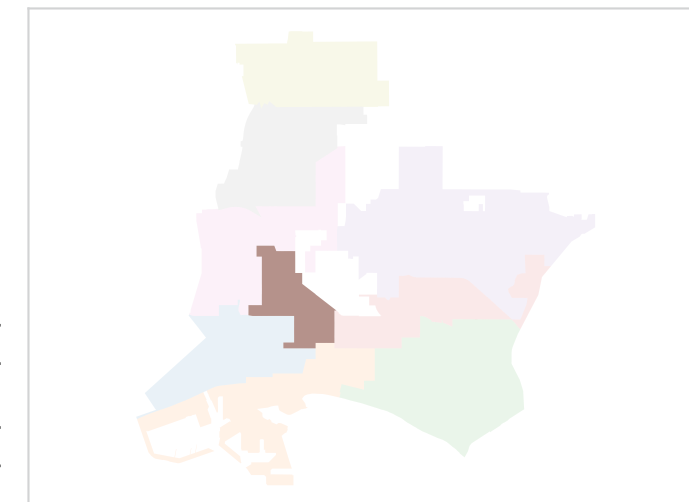
District 7
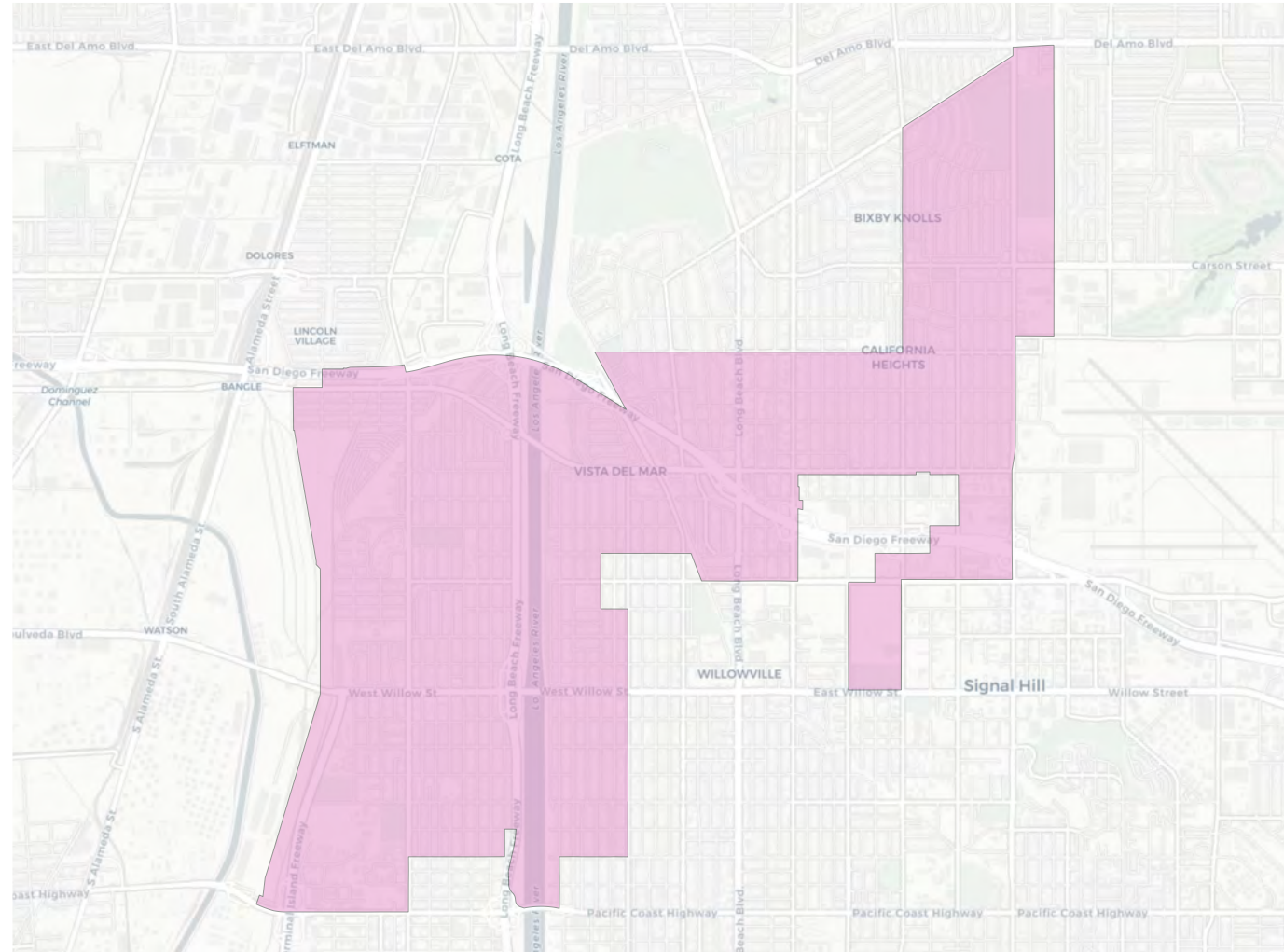

2020 Census
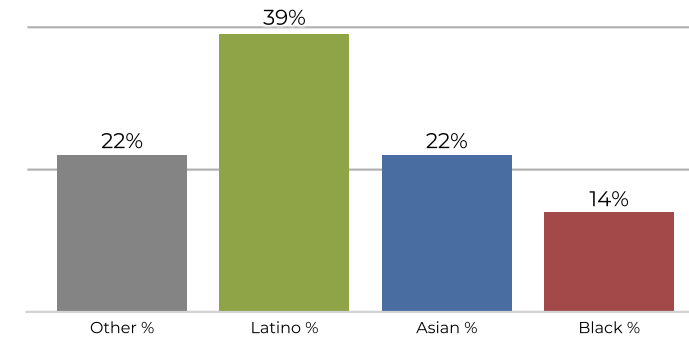
Citizen Voting Age Population
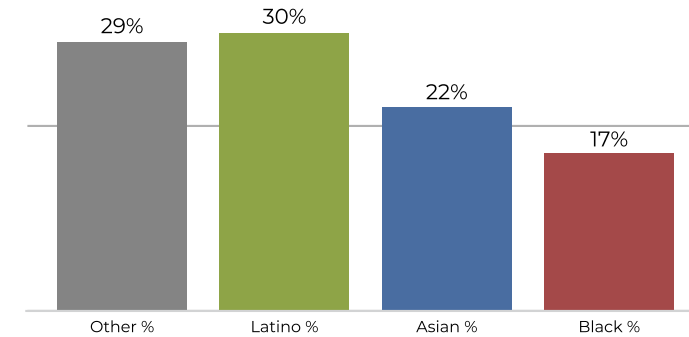
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
54,905	2,805	5.4%	12,587	22.9%	21,931	39.9%	12,483	22.7%	7,904	14.4%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
36,192	10,722	29.6%	11,073	30.6%	8,240	22.8%	6,156	17.0%
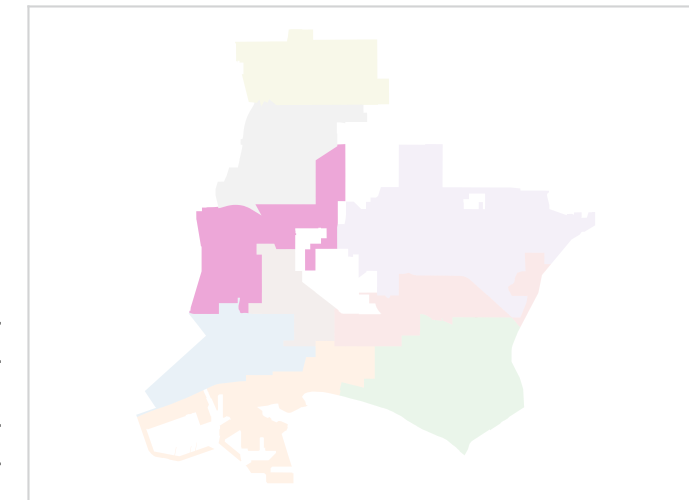
District 8

2020 Census
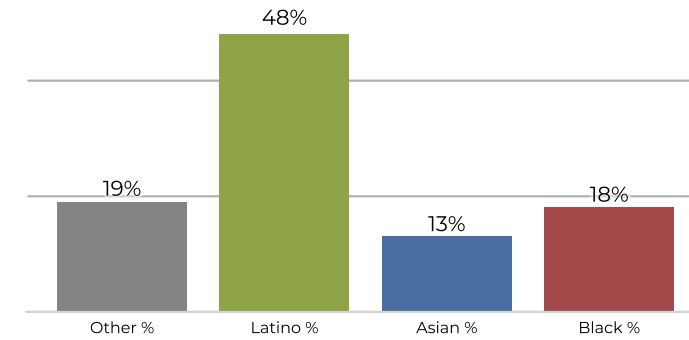
Other %	Latino %	Asian %	Black %
19%	48%	13%	18%

Citizen Voting Age Population

Other %	Latino %	Asian %	Black %
22%	38%	14%	23%
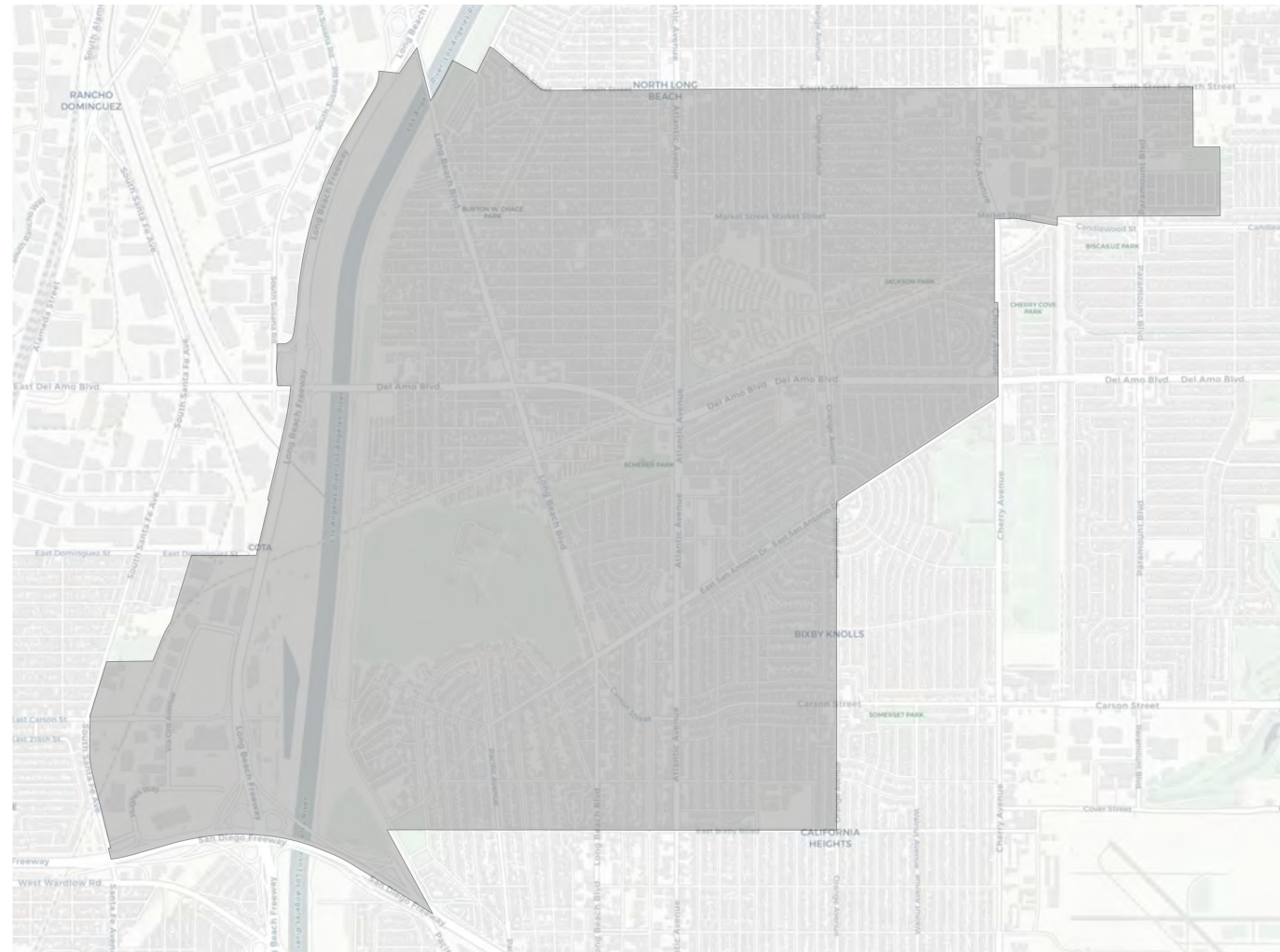
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
54,674	2,574	4.9%	10,546	19.3%	26,661	48.8%	7,167	13.1%	10,300	18.8%

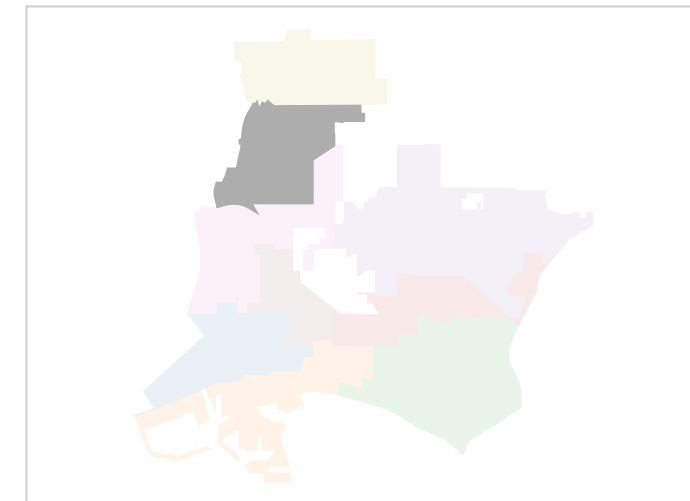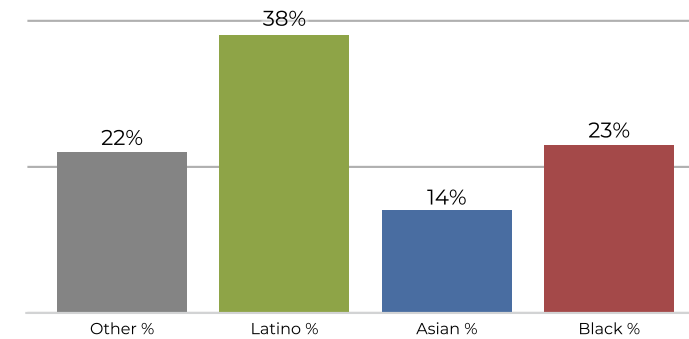| Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
33,715	7,584	22.5%	13,115	38.9%	4,993	14.8%	8,023	23.8%

District 9

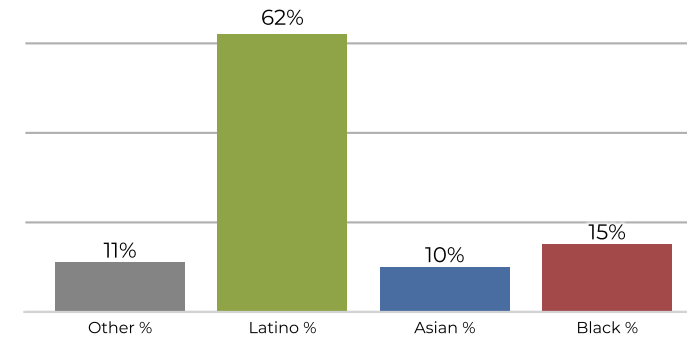## City of Long Beach
Current Lines

2020 Census

Citizen Voting Age Population
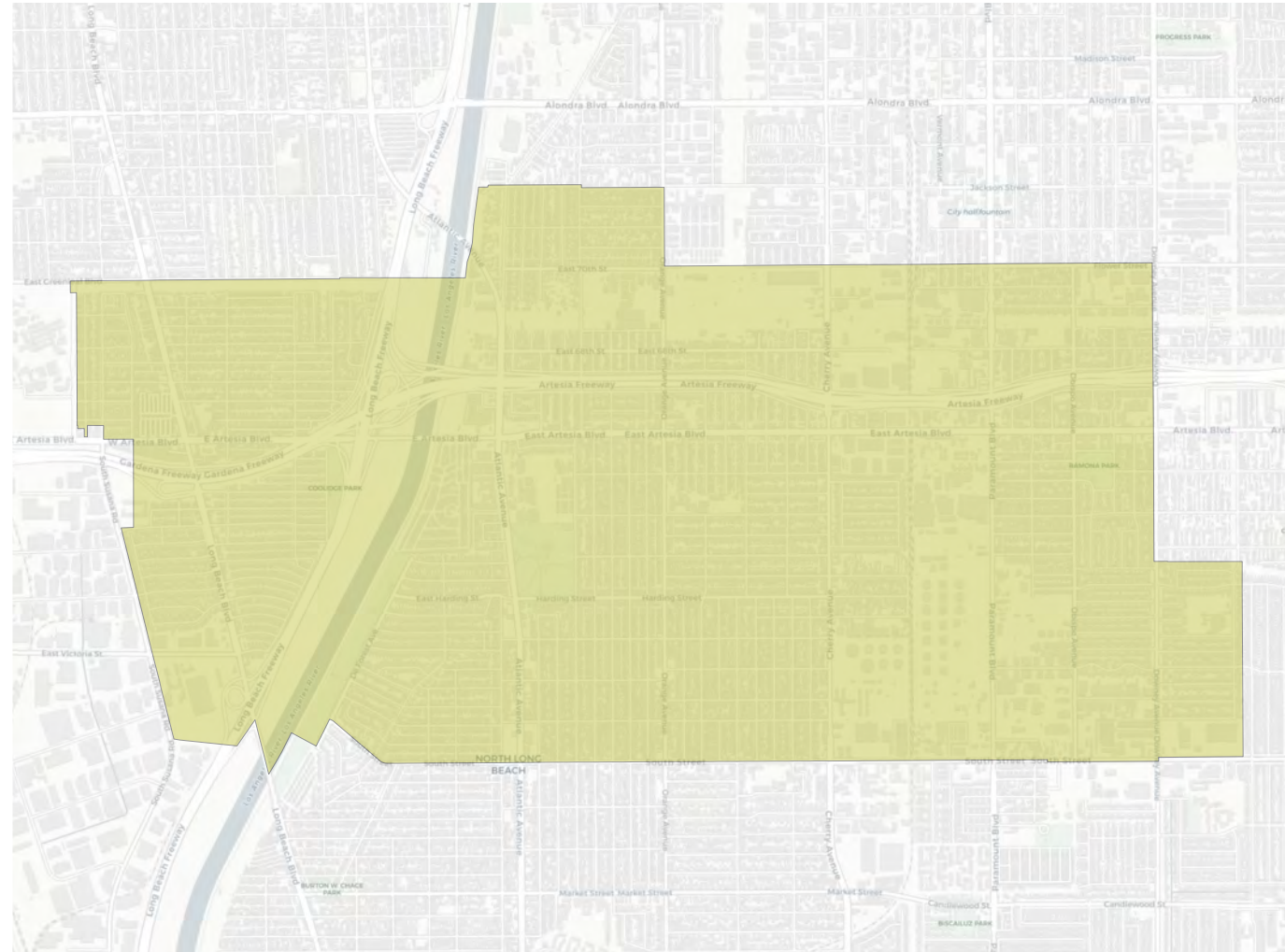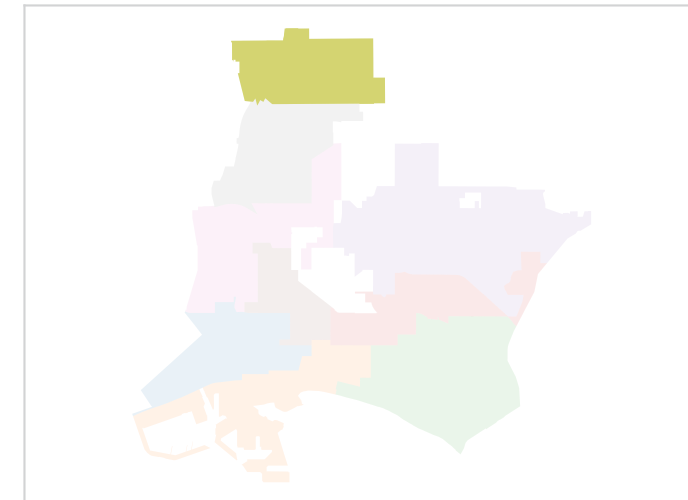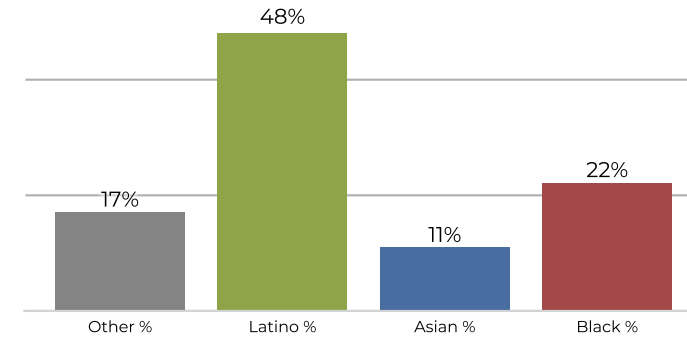
Population	Deviation	Deviation %	Other	Other %	Latino	Latino %	Asian	Asian %	Black	Black %
55,028	2,928	5.6%	6,465	11.7%	34,350	62.4%	5,593	10.2%	8,620	15.7%

Total CVAP	Other CVAP	Other CVAP %	Latino CVAP	Latino CVAP %	Asian CVAP	Asian CVAP %	Black CVAP	Black CVAP %
30,408	5,426	17.8%	14,646	48.2%	3,378	11.1%	6,958	22.9%