



LOS ANGELES COUNTY **REDISTRICTING 2021**

ANALYSIS OF Draft Plans
11-10-21

Presentation to the County of LOS ANGELES
CITIZENS REDISTRICTING COMMISSION

ARCBridge Consulting & Training Inc.

www.arcbridge.com



Scorecard information for Draft Maps

Los Angeles County Citizens Redistricting Commission -- Map Scorecard on Options (November 3, 2021)

Maps	Max Deviation	Polsby Popper-Compactness Score	# Majority Minority Districts		Splits				Community of Interest Models					
			Based on Total Population	Based on CVAP	# CSAs		NCs		COI A		COI B		COI C	
<i>Maximum</i>	10%	# SDs >.20	10,047,926	6,315,311	348	99			27	27		27		
<i>Comparison</i>	Pass/Fail	Higher # is Better			Lower # is Better				Lower # is Better					
<i>Denominator</i>	10%	5	5	5	348	99			27	27		27	%	
	% Dev	# SDs	# SDs	# SDs	#	%	#	%	#	%	#	%	#	%
Current SDs	4.36	3	2	1	25	7%	25	25%	13	48%	11	41%	13	48%
A	7.23	2	3	2	29	8%	12	12%	13	48%	12	44%	14	52%
B	4.57	4	2	2	21	6%	19	19%	11	41%	10	37%	12	44%
C	3.61	2	3	2	43	12%	30	30%	17	63%	16	59%	19	70%
D	1.54	4	2	2	36	10%	30	30%	19	70%	17	63%	19	70%

Draft Plan A – Split Analysis by Area

LA COUNTY COUNTYWIDE STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

Countywide Statistical Areas (CSAs)



AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
City of Azusa	1	5				94.26%	5.74%			
City of Compton	2	4				98.45%	1.55%			
City of Duarte	5	1				74.47%	25.53%			
City of El Segundo	3	2				80.28%	19.60%			
City of Industry	1	4				98.73%	1.27%			
City of Rolling Hills Estates	3	2				98.24%	1.76%			
City of San Gabriel	1	5				94.03%	5.97%			
City of Whittier	4	1				83.77%	16.22%			
Los Angeles - Canoga Park	3	5				80.47%	19.53%			
Los Angeles - Carthay	3	2				85.22%	14.78%			
Los Angeles - Central	2	1	4			94.40%	4.43%	1.17%		
Los Angeles - Del Rey	2	3				88.44%	11.56%			
Los Angeles - Downtown	1	2				88.54%	11.46%			
Los Angeles - Eagle Rock	1	5				76.20%	23.80%			
Los Angeles - Granada Hills	5	3				86.12%	13.88%			
Los Angeles - Hancock Park	3	2				69.74%	30.26%			
Los Angeles - Harbor Gateway	2	4				79.50%	20.50%			
Los Angeles - Hollywood	3	1				60.60%	39.40%			
Los Angeles - Lakeview Terrace	5	3				64.55%	35.45%			
Los Angeles - Little Tokyo	1	2				68.35%	31.65%			
Los Angeles - Los Feliz	3	1				81.05%	18.92%			
Los Angeles - Melrose	3	1	2			58.51%	38.58%	2.90%		
Los Angeles - North Hills	3	5				93.81%	6.19%			
Los Angeles - Northridge	3	5				64.83%	35.17%			
Los Angeles - Park La Brea	2	3				65.11%	34.89%			
Los Angeles - Pico-Union	1	2				82.07%	17.93%			
Los Angeles - Playa Vista	3	2				58.52%	41.48%			
Los Angeles - Rancho Park	3	2				53.81%	46.19%			
Los Angeles - Reseda	3	5				87.23%	12.77%			

Countywide Statistical Areas (CSAs)

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Los Angeles - Shadow Hills	5	3				77.62%	22.38%			
Los Angeles - Silverlake	1	2				98.89%	1.11%			
Los Angeles - Sun Valley	5	3				51.55%	48.45%			
Los Angeles - Sylmar	3	5				96.21%	3.79%			
Los Angeles - Tarzana	3	5				83.42%	16.58%			
Los Angeles - Toluca Terrace	3	5				97.10%	2.90%			
Los Angeles - University Park	1	2				73.97%	26.03%			
Los Angeles - Venice	3	2				83.84%	15.26%			
Los Angeles - Vernon Central	2	4				59.88%	39.86%			
Los Angeles - West Adams	2	1				84.86%	15.14%			
Los Angeles - Westchester	2	3				55.64%	44.36%			
Los Angeles - Wholesale District	1	2				74.53%	25.39%			
Los Angeles - Wilmington	4	2				94.55%	5.45%			
Los Angeles - Wilshire Center	2	1				96.62%	3.38%			
Los Angeles - Woodland Hills	5	3				86.61%	13.39%			
Unincorporated - Azusa	1	5				78.23%	21.77%			
Unincorporated - Bradbury	5	1				98.48%	1.52%			
Unincorporated - Covina	5	1				62.90%	37.10%			
Unincorporated - Covina (Charter Oak)	5	1				63.27%	36.73%			
Unincorporated - Hacienda Heights	1	4				87.80%	12.20%			
Unincorporated - Kagel/Lopez Canyons	5	3				88.18%	11.82%			
Unincorporated - Monrovia	5	1				50.65%	49.35%			
Unincorporated - Rowland Heights	4	1				96.98%	3.00%			

LA City Neighborhood Councils

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Atwater Village	3	1				76.28%	23.39%			
Canoga Park	3	5				87.07%	12.93%			
Central Alameda	4	2				50.07%	49.93%			
Central Hollywood	1	3				89.15%	10.85%			
Chatsworth	5	3				95.79%	4.21%			
Del Rey	2	3				86.35%	13.65%			
Downtown Los Angeles	1	2				65.17%	34.72%			
Eagle Rock	1	5				73.50%	26.50%			
Empowerment Congress North	2	1				82.17%	17.83%			
Foothill Trails District	5	3				87.07%	12.93%			
Granada Hills North	5	3				91.13%	8.87%			
Granada Hills South	5	3				74.54%	25.46%			
Greater Wilshire	3	2	1			56.66%	39.21%	4.12%		
Harbor Gateway South	2	4				67.92%	32.08%			
Hollywood Hills West	3	1				97.83%	2.13%			
Hollywood United	3	1				96.23%	3.74%			
Los Feliz	3	1				71.54%	28.43%			
MacArthur Park	1	2				60.78%	39.22%			
Mid City West	3	2				66.50%	33.50%			
Northridge East	5	3				55.82%	44.18%			
Northridge West	5	3				89.12%	10.88%			
Pacoima	3	5				88.00%	12.00%			
Pico Union	1	2				56.29%	43.71%			
Rampart Village	1	2				51.13%	48.87%			
South Central	2	1	4			65.11%	24.67%	10.23%		
Sun Valley	3	5				78.35%	21.65%			
Sylmar	3	5				96.27%	3.73%			
Tarzana	3	5				76.42%	23.58%			
Venice	3	2				85.07%	14.90%			

LA City Neighborhood Councils

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
West LA - Sawtelle	3	2				90.23%	9.77%			
Westchester/Playa	2	3				49.85%	49.69%			
Westside	3	2				54.38%	45.62%			
Wilmington	4	2				97.64%	2.36%			
Wilshire Center Koreatown	2	1				84.50%	15.50%			
Woodland Hills-Warner Center	5	3				84.68%	15.32%			

COIs from COI Model A

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Baldwin Hills	2	1				98.78%	1.22%			
Carson-Compton-Gardena	2	4				97.37%	2.63%			
DTLA-Chinatown	1	2				88.57%	11.43%			
East LA	1	2				93.97%	6.00%			
Greater Whittier	4	1				53.57%	46.42%			
Long Beach	4	3				22.87%	8.72%			
Malibu-Topanga	3	5				64.08%	1.54%			
San Fernando Valley	3	5				52.21%	47.79%			
San Gabriel Valley	1	5	4			40.81%	38.48%	20.71%		
San Pedro	4	3				56.61%	3.61%			
Seaside Communities	3	2				31.42%	20.52%			
South East LA	4	1				83.11%	16.85%			
South LA	2	4				96.06%	3.91%			
South Pasadena - Eagle Rock	1	5				75.93%	24.07%			
USC Area	2	1				82.44%	17.28%			
West LA-Hollywood-Los Feliz	3	1	2			83.71%	8.63%	7.66%		
West of DTLA	1	2				50.43%	49.57%			

COIs from COI Model B

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Carson-Compton-Gardena	2	4				97.37%	2.63%			
DTLA-Chinatown	1	2				88.57%	11.43%			
Greater Whittier	4	1				62.51%	37.48%			
Malibu-Topanga	3	5				64.08%	1.54%			
NE LA	1	5				94.68%	5.32%			
San Fernando Valley	5	3				55.99%	44.01%			
San Gabriel Valley	5	1	4			46.75%	35.64%	17.61%		
San Pedro	4	3				17.15%	9.46%			
Seaside Communities	3	2				29.59%	22.38%			
South East LA	4	1				83.11%	16.85%			
South LA	2	4				95.96%	3.75%			
USC Area	2	1				78.56%	21.44%			
West LA-Hollywood-Los Feliz	3	2	1			76.09%	13.52%	10.39%		
West of DTLA	1	2				50.43%	49.57%			
Wholesale District	1	2				74.55%	25.38%			

COIs from COI Model C

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Carson-Compton-Gardena	2	4				97.37%	2.63%			
DTLA-Chinatown	1	2				88.57%	11.43%			
Greater Tri-Cities	5	1				96.64%	3.35%			
Greater Whittier	4	1				62.51%	37.48%			
Malibu-Topanga	3	5				64.08%	1.54%			
NE LA	1	5				94.68%	5.32%			
NE San Fernando Valley	3	5				52.35%	47.65%			
North San Gabriel Valley Foothills	5	1				81.63%	18.36%			
San Fernando Valley	3	5				53.70%	46.30%			
San Gabriel Valley	1	4	5			55.29%	34.06%	10.65%		
San Pedro	4	3				17.15%	9.46%			
Seaside Communities	3	2				29.59%	22.38%			
South East LA	4	1				83.11%	16.85%			
South LA	2	4				95.96%	3.75%			
USC Area	2	1				78.56%	21.44%			
West LA-Hollywood-Los Feliz	3	2	1			76.09%	13.52%	10.39%		
West of DTLA	1	2				50.43%	49.57%			
Wholesale District	1	2				74.55%	25.38%			

Compactness Analysis

	Area:	Perimeter:	Width/Length Ratio:	Population Density:	Reock Test:	Convex Hull Ratio:	Schwarzberg Test:	Grofman Test:	Polsby-Popper Test:
1	271.72	175.64	0.412	7,150.71	0.227	0.669	3.006	10.655	0.111
2	201.69	102.97	0.952	9,820.80	0.336	0.765	2.045	7.251	0.239
3	699.79	391.29	0.444	2,902.34	0.067	0.221	4.173	14.792	0.057
4	362.36	220.90	0.613	5,763.30	0.158	0.493	3.274	11.605	0.093
5	3,437.67	390.41	0.656	583.20	0.412	0.857	1.878	6.659	0.283

Draft Plan B – Split Analysis

LA COUNTY COUNTYWIDE STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

Countywide Statistical Areas (CSAs)

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
City of Artesia	1	4				58.07%	41.93%			
City of Baldwin Park	1	5				85.34%	14.66%			
City of Carson	4	2				81.13%	18.87%			
City of Cerritos	1	4				71.29%	28.70%			
City of Covina	1	5				75.40%	24.60%			
City of El Monte	1	5				96.23%	3.77%			
City of Glendale	5	3				84.09%	15.91%			
City of San Dimas	5	1				97.55%	2.45%			
City of Temple City	1	5				91.42%	8.58%			
Los Angeles - Atwater Village	3	1				50.53%	49.45%			
Los Angeles - Baldwin Hills	4	2				72.24%	27.76%			
Los Angeles - Elysian Valley	3	1				76.22%	23.78%			
Los Angeles - Harbor Gateway	2	4				55.28%	44.72%			
Los Angeles - Longwood	2	4				70.51%	29.49%			
Los Angeles - Melrose	3	4				91.28%	8.71%			
Los Angeles - Miracle Mile	4	2				78.39%	21.61%			
Los Angeles - Porter Ranch	5	3				72.04%	27.96%			
Los Angeles - Sun Valley	3	5				63.12%	36.88%			
Los Angeles - Toluca Terrace	3	5				98.20%	1.80%			
Unincorporated - Covina	1	5				91.42%	8.58%			
Unincorporated - Covina (Charter Oak)	5	1				79.60%	20.40%			
Unincorporated - Northeast San Gabriel	5	1				68.17%	31.83%			

LA City Neighborhood Councils

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Arts District Little Tokyo	1	2				79.22%	20.78%			
Atwater Village	3	1				92.49%	7.40%			
Chatsworth	3	5				98.42%	1.57%			
Downtown Los Angeles	1	2				50.78%	49.22%			
Echo Park	1	3	2			37.29%	36.67%	26.04%		
Elysian Valley Riverside	3	1				95.24%	4.76%			
Empowerment Congress West	2	4				54.19%	45.81%			
Foothill Trails District	5	3				97.95%	2.05%			
Granada Hills South	5	3				80.84%	19.16%			
Greater Wilshire	2	3				74.24%	25.68%			
Harbor Gateway South	4	2				70.24%	29.76%			
Historic Cultural North	1	2				72.24%	27.76%			
Mid City	4	2				58.73%	41.27%			
Mid City West	3	4	2			56.58%	41.07%	2.36%		
Olympic Park	2	4				85.01%	14.99%			
Pacoima	3	5				76.09%	23.91%			
Rampart Village	2	3				91.91%	8.09%			
Silver Lake	3	2				87.03%	12.97%			
South Central	2	1				92.80%	7.20%			
Sun Valley	3	5				95.81%	4.19%			
West Adams	4	2				69.69%	30.31%			
Westside	4	3				69.58%	30.42%			
Wilshire Center Koreatown	2	3				80.56%	19.44%			

COIs from COI Model A

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Baldwin Hills	4	2				76.19%	23.81%			
Carson-Compton-Gardena	2	4				57.50%	42.50%			
Dodgers Stadium Park Area	3	1	2			67.18%	31.32%	1.50%		
Gateway Cities	1	2	4			50.78%	27.59%	21.63%		
San Fernando Valley	3	5				63.35%	36.65%			
San Gabriel Valley	1	5				51.01%	48.99%			
Seaside Communities	4	3				47.65%	4.28%			
South Bay Inland	4	2				79.41%	20.59%			
South East LA	2	1				83.15%	16.85%			
South Pasadena - Eagle Rock	1	5				64.48%	35.52%			
Tri-Cities-BGP	5	3				94.88%	5.12%			
West LA-Hollywood-Los Feliz	3	4	2			87.12%	8.65%	4.23%		

COIs from COI Model B

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Carson-Compton-Gardena	2	4				57.50%	42.50%			
Dodgers Stadium Park Area	3	1	2			67.18%	31.32%	1.50%		
Gateway Cities	1	2	4			50.78%	27.59%	21.63%		
Greater Inglewood-Crenshaw	2	4				61.03%	38.97%			
San Fernando Valley	3	5				54.99%	45.01%			
San Gabriel Valley	5	1				56.63%	43.37%			
Santa Monica - West LA	3	4				69.61%	6.45%			
South Bay Inland	4	2				79.41%	20.59%			
South East LA	2	1				83.15%	16.85%			
West LA-Hollywood-Los Feliz	3	4	2			83.35%	11.56%	5.10%		

COIs from COI Model C

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Carson-Compton-Gardena	2	4				57.50%	42.50%			
Dodgers Stadium Park Area	3	1	2			67.18%	31.32%	1.50%		
Gateway Cities	1	2	4			50.78%	27.59%	21.63%		
Greater Inglewood-Crenshaw	2	4				61.03%	38.97%			
Greater Tri-Cities	5	3				95.24%	4.76%			
NE San Fernando Valley	5	3				66.50%	33.50%			
San Fernando Valley	3	5				76.86%	23.14%			
San Gabriel Valley	1	5				83.70%	16.30%			
Santa Monica - West LA	3	4				73.41%	3.32%			
South Bay Inland	4	2				79.41%	20.59%			
South East LA	2	1				83.15%	16.85%			
West LA-Hollywood-Los Feliz	3	4	2			83.35%	11.56%	5.10%		

Compactness Analysis

District	Polygon Area (sq. mi)	Perimeter (mi)	Reock	Area/Convex Hull	Grofman	Schwartzberg	Polsby Popper
D1	300.75	136	0.43	0.72	7.84	2.21	0.2
D2	143.63	85.87	0.54	0.79	7.16	2.02	0.24
D3	437.15	137.25	0.32	0.8	6.56	1.85	0.29
D4	402.97	247.82	0.07	0.21	12.35	3.48	0.08
D5	2838.67	271.53	0.48	0.95	5.1	1.44	0.48

Draft Plan C – Split Analysis

LA COUNTY COUNTYWIDE STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

Countywide Statistical Areas (CSAs)



AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
City of Industry	5	1				55.70%	44.30%			
City of Lomita	4	2				96.94%	3.06%			
City of Long Beach	4	1				56.24%	43.74%			
City of Rolling Hills Estates	4	2				98.24%	1.76%			
Los Angeles - Century City	2	4				97.16%	2.84%			
Los Angeles - Country Club Park	2	3				64.85%	35.15%			
Los Angeles - Downtown	3	2				85.40%	14.60%			
Los Angeles - Granada Hills	4	3				96.43%	3.57%			
Los Angeles - Hancock Park	2	3				91.74%	8.26%			
Los Angeles - Harbor City	2	4				82.48%	17.52%			
Los Angeles - Harvard Heights	2	3				65.99%	34.01%			
Los Angeles - Hollywood	4	3				68.84%	31.16%			
Los Angeles - Lakeview Terrace	5	3				51.16%	48.84%			
Los Angeles - Los Feliz	3	4				95.63%	4.36%			
Los Angeles - Mar Vista	2	4				94.29%	5.71%			
Los Angeles - Melrose	4	3	2			38.59%	38.16%	23.25%		
Los Angeles - Miracle Mile	2	4				81.50%	18.50%			
Los Angeles - North Hills	4	3				65.37%	34.63%			
Los Angeles - North Hollywood	3	4				83.00%	17.00%			
Los Angeles - Playa Vista	2	4				55.61%	44.39%			
Los Angeles - Shadow Hills	5	3				77.62%	22.38%			
Los Angeles - South Carthay	2	4				95.33%	4.67%			
Los Angeles - Sun Valley	3	5				55.61%	44.39%			
Los Angeles - Toluca Lake	4	3				87.51%	12.49%			
Los Angeles - Toluca Terrace	4	3				97.97%	2.03%			
Los Angeles - Valley Village	4	3				94.18%	5.82%			
Los Angeles - Van Nuys	3	4				72.04%	27.96%			
Los Angeles - Venice	4	2				97.08%	2.01%			
Los Angeles - West Adams	2	3				87.17%	12.83%			

Countywide Statistical Areas (CSAs)

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Los Angeles - West Los Angeles	4	2				79.44%	20.56%			
Los Angeles - Westchester	2	4				58.55%	41.45%			
Los Angeles - Wholesale District	3	2				74.07%	25.93%			
Los Angeles - Wilmington	2	4				80.79%	19.17%			
Unincorporated - Hacienda Heights	5	1				87.69%	12.31%			
Unincorporated - Kagel/Lopez Canyons	5	3				95.41%	4.59%			
Unincorporated - La Verne	5	1				93.02%	6.98%			

30 Splits - LA City Neighborhood Councils



AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Downtown Los Angeles	3	2				66.89%	33.11%			
Foothill Trails District	5	3				83.00%	17.00%			
Greater Wilshire	2	3				84.77%	15.14%			
Hollywood Hills West	4	3				81.88%	18.12%			
Hollywood United	3	4				73.09%	26.91%			
Mid City West	4	2				82.91%	17.09%			
NoHo	3	4				98.41%	1.59%			
Northwest San Pedro	4	2				77.21%	22.79%			
Olympic Park	2	3				56.48%	43.52%			
Pacoima	3	5				88.09%	11.91%			
Sun Valley	3	5				90.18%	9.82%			
Van Nuys	3	4				86.58%	13.42%			
Venice	4	2				96.41%	3.56%			
Westchester/Playa	2	4				52.81%	46.73%			
Westside	2	4				98.66%	1.34%			
Wilmington	4	2				57.10%	42.88%			

COIs from COI Model A

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Baldwin Hills	2	3				98.97%	1.03%			
DTLA-Chinatown	3	2				88.77%	11.23%			
East LA	3	2				93.85%	6.13%			
Long Beach	4	1				27.68%	3.91%			
San Fernando Valley	4	3	5			54.45%	23.13%	22.42%		
San Gabriel Valley	1	5				52.21%	47.79%			
San Pedro	4	2				41.68%	19.29%			
Seaside Communities	4	2				31.83%	20.12%			
South East LA	3	2				90.57%	9.05%			
South Pasadena - Eagle Rock	3	5				64.47%	35.53%			
Tri-Cities-BGP	5	3				81.75%	18.25%			
West LA-Hollywood-Los Feliz	4	3	2			69.90%	18.63%	11.46%		
West of DTLA	3	2				94.16%	5.84%			

COIs from COI Model B

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
DTLA-Chinatown	3	2				0.887673	0.112327			
Long Beach	4	1				0.560664	0.305662			
San Fernando Valley	4	5	3			0.458923	0.289217	0.25186		
San Gabriel Valley	5	1				0.556091	0.443861			
San Pedro	4	2				0.250486	0.016219			
Santa Monica - West LA	4	2				0.747271	0.01333			
Seaside Communities	4	2				0.300355	0.2194			
South East LA	3	2				0.905733	0.090495			
USC Area	2	3				0.967285	0.032715			
West LA-Hollywood-Los Feliz	4	3	2			0.601106	0.224368	0.174522		
West of DTLA	3	2				0.941564	0.058436			
Wholesale District	3	2				0.740764	0.259236			

COIs from COI Model C

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
DTLA-Chinatown	3	2				88.77%	11.23%			
Greater Tri-Cities	5	3				83.03%	16.97%			
Long Beach	4	1				56.07%	30.57%			
NE San Fernando Valley	3	5				54.45%	45.50%			
North San Gabriel Valley Foothills	1	5				74.17%	25.83%			
San Fernando Valley	4	3	5			77.26%	11.62%	11.13%		
San Gabriel Valley	5	1				61.95%	38.05%			
San Pedro	4	2				25.05%	1.62%			
Seaside Communities	4	2				30.04%	21.94%			
South East LA	3	2				90.57%	9.05%			
USC Area	2	3				96.73%	3.27%			
West LA-Hollywood-Los Feliz	4	3	2			60.11%	22.44%	17.45%		
West of DTLA	3	2				94.16%	5.84%			
Wholesale District	3	2				74.08%	25.92%			

Compactness Analysis

	Area:	Perimeter:	Width/Length Ratio:	Population Density:	Reock Test:	Polsby-Popper Test:	Convex Hull Ratio:	Schwarzberg Test:	Grofman Test:
1									
2	221.11				101.87	0.860	9,017.14	0.329	0.268
3	225.24				157.49	0.891	9,102.85	0.178	0.114
4	784.70				390.67	0.577	2,590.80	0.067	0.065
5	3,371.00				407.77	0.703	591.24	0.386	0.255

Draft Plan D – Split Analysis

LA COUNTY COUNTYWIDE STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

Countywide Statistical Areas (CSAs)



AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
City of Arcadia	1	5				87.51%	12.49%			
City of Bell	4	1				70.04%	29.96%			
City of Carson	4	2				62.24%	37.76%			
City of Compton	4	2				73.14%	26.86%			
City of Culver City	3	2				62.23%	37.77%			
City of Duarte	5	1				68.59%	31.41%			
City of Maywood	4	1				68.36%	31.64%			
City of Monrovia	5	1				68.61%	31.39%			
City of Rancho Palos Verdes	2	4				91.61%	8.26%			
City of Santa Fe Springs	4	1				67.25%	32.75%			
Los Angeles - Arleta	3	5				75.43%	24.57%			
Los Angeles - Central	4	2				96.67%	3.33%			
Los Angeles - Chinatown	4	1				60.07%	39.93%			
Los Angeles - El Sereno	1	5				89.99%	10.01%			
Los Angeles - Elysian Valley	5	4	1			47.14%	29.19%	23.65%		
Los Angeles - Florence-Firestone	2	4				50.08%	49.92%			
Los Angeles - Granada Hills	5	3				76.96%	23.04%			
Los Angeles - Harbor City	4	2				71.63%	28.37%			
Los Angeles - Lincoln Heights	1	5				69.36%	30.63%			
Los Angeles - Mission Hills	5	3				89.62%	10.38%			
Los Angeles - Mt. Washington	5	1				81.71%	18.29%			
Los Angeles - Pacoima	5	3				92.57%	7.43%			
Los Angeles - Pico-Union	2	4				71.77%	28.23%			
Los Angeles - Porter Ranch	5	3				72.04%	27.96%			
Los Angeles - San Pedro	4	2				87.79%	12.19%			
Los Angeles - Silverlake	3	4				94.65%	5.35%			
Los Angeles - South Park	4	2				54.01%	45.99%			
Los Angeles - Temple-Beaudry	4	2				96.26%	3.74%			
Los Angeles - Toluca Terrace	3	5				98.20%	1.80%			

Countywide Statistical Areas (CSAs)

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Los Angeles - University Park	2	4				66.98%	33.02%			
Los Angeles - Venice	3	2				63.95%	35.13%			
Los Angeles - Watts	2	4				84.06%	15.94%			
Los Angeles - Westlake	4	2				81.50%	18.50%			
Los Angeles - Wholesale District	1	4				51.14%	48.86%			
Los Angeles - Wilmington	4	2				90.91%	9.09%			
Unincorporated - Covina (Charter Oak)	1	5				98.67%	1.33%			
Unincorporated - East Pasadena	5	1				55.81%	44.19%			
Unincorporated - Florence-Firestone	2	4				70.73%	29.27%			

30 Splits - LA City Neighborhood Councils

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Arleta	3	5				71.45%	28.55%			
Arroyo Seco	5	1				89.26%	10.74%			
Arts District Little Tokyo	4	1				58.21%	41.79%			
CANNDU	2	4				50.81%	49.19%			
Chatsworth	3	5				98.42%	1.57%			
Coastal San Pedro	4	2				83.10%	16.85%			
Echo Park	4	3				96.84%	2.79%			
Elysian Valley Riverside	5	3	4			65.58%	32.84%	1.58%		
Greater Cypress Park	5	1				62.04%	37.69%			
Greater Wilshire	2	3				74.26%	25.74%			
Harbor City	2	4				50.42%	49.58%			
Hermon	5	1				98.39%	1.61%			
Historic Cultural North	1	4				67.64%	32.36%			
Hollywood Hills West	3	5				81.89%	18.11%			
Hollywood United	5	3				78.08%	21.92%			
LA32	1	5				81.80%	18.20%			
Lincoln Heights	1	5				95.88%	4.00%			
Los Feliz	5	3				89.42%	10.58%			
MacArthur Park	2	4				68.32%	31.68%			
Mid City West	3	2				77.61%	22.39%			
Mission Hills	5	3				89.05%	10.95%			
North Hollywood Northeast	3	5				93.79%	6.21%			
North Hollywood West	3	5				95.98%	4.02%			
Northwest San Pedro	4	2				80.44%	19.56%			
P.I.C.O.	2	3				84.11%	15.89%			
Pacoima	5	3				94.28%	5.72%			
Pico Union	2	4				90.92%	9.08%			
Rampart Village	2	4	3			64.61%	27.29%	8.09%		
Silver Lake	3	4	5			80.71%	16.04%	3.25%		

LA City Neighborhood Councils



AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
South Central	4	2				87.66%	12.34%			
South Robertson	3	2				83.82%	16.18%			
Sun Valley	5	3				98.80%	1.20%			
Venice	3	2				56.76%	43.19%			
Watts	2	4				88.11%	11.89%			
Wilmington	4	2				96.03%	3.97%			
Wilshire Center Koreatown	2	3				80.56%	19.44%			
Zapata King	4	2				76.21%	23.79%			

COIs from COI Model A

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Baldwin Hills	2	3				79.62%	20.38%			
Carson-Compton-Gardena	2	4				56.03%	43.97%			
DTLA-Chinatown	4	1				94.07%	5.93%			
Dodgers Stadium Park Area	3	4	5	1		36.05%	33.83%	27.83%	2.28%	
East LA	1	4	5			83.21%	11.56%	5.23%		
Gateway Cities	4	1				95.41%	4.59%			
Greater Whittier	1	4				81.27%	18.73%			
San Fernando Valley	3	5				56.76%	43.24%			
San Gabriel Valley	1	5				73.90%	26.10%			
San Pedro	4	2				50.67%	10.31%			
Seaside Communities	2	3				42.79%	8.59%			
South East LA	4	1	2			73.76%	19.84%	6.39%		
South LA	2	4				81.66%	18.34%			
South Pasadena - Eagle Rock	5	1				79.23%	20.77%			
Tri-Cities-BGP	5	1				98.34%	1.66%			
USC Area	2	4				69.52%	30.48%			
West LA-Hollywood-Los Feliz	3	5	2			81.78%	12.84%	5.38%		
West of DTLA	2	4				61.66%	38.34%			

COIs from COI Model B

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Carson-Compton-Gardena	2	4				56.03%	43.97%			
DTLA-Chinatown	4	1				94.07%	5.93%			
Dodgers Stadium Park Area	3	4	5	1		36.05%	33.83%	27.83%	2.28%	
Gateway Cities	4	1				95.41%	4.59%			
Greater Inglewood-Crenshaw	2	3				97.19%	2.81%			
Greater Whittier	1	4				78.14%	21.86%			
NE LA	5	1				67.70%	32.30%			
San Fernando Valley	5	3				52.16%	47.84%			
San Gabriel Valley	1	5				64.31%	35.69%			
Seaside Communities	2	3				46.66%	4.69%			
South East LA	4	1	2			73.76%	19.84%	6.39%		
South LA	2	4				76.97%	23.03%			
USC Area	2	4				92.15%	7.85%			
West LA-Hollywood-Los Feliz	3	5	2			78.06%	15.46%	6.48%		
West of DTLA	2	4				61.66%	38.34%			
Wholesale District	1	4				51.12%	48.88%			

COIs from COI Model C

AreaName	District1	District2	District3	District4	District5	Percent1	Percent2	Percent3	Percent4	Percent5
Carson-Compton-Gardena	2	4				56.03%	43.97%			
DTLA-Chinatown	4	1				94.07%	5.93%			
Dodgers Stadium Park Area	3	4	5	1		36.05%	33.83%	27.83%	2.28%	
Gateway Cities	4	1				95.41%	4.59%			
Greater Inglewood-Crenshaw	2	3				97.19%	2.81%			
Greater Tri-Cities	5	1				94.77%	5.23%			
Greater Whittier	1	4				78.14%	21.86%			
NE LA	5	1				67.70%	32.30%			
NE San Fernando Valley	5	3				90.95%	9.05%			
North San Gabriel Valley Foothills	5	1				66.57%	33.43%			
San Fernando Valley	3	5				77.03%	22.97%			
Seaside Communities	2	3				46.66%	4.69%			
South East LA	4	1	2			73.76%	19.84%	6.39%		
South LA	2	4				76.97%	23.03%			
USC Area	2	4				92.15%	7.85%			
West LA-Hollywood-Los Feliz	3	5	2			78.06%	15.46%	6.48%		
West of DTLA	2	4				61.66%	38.34%			
Wholesale District	1	4				51.12%	48.88%			