



LOS ANGELES COUNTY **REDISTRICTING 2021**

ANALYSIS OF Draft Plans

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

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

29 Splits - Consolidates Statistical Areas (CSAs)



CSA	District1	District2	District3	Percent1	Percent2	Percent3
Los Angeles - Melrose	4	3	2	38.59%	38.16%	23.25%
Los Angeles - Lakeview Terrace	5	3		51.17%	48.83%	
Los Angeles - Playa Vista	2	4		55.61%	44.39%	
Los Angeles - Sun Valley	3	5		55.67%	44.33%	
City of Industry	5	1		55.97%	44.03%	
City of Long Beach	4	1		56.26%	43.72%	
Los Angeles - Westchester	2	4		58.55%	41.45%	
City of Torrance	2	4		59.48%	40.52%	
Los Angeles - Country Club Park	2	3		64.85%	35.15%	
Los Angeles - North Hills	4	3		65.37%	34.63%	
Los Angeles - Harvard Heights	2	3		65.99%	34.01%	
Los Angeles - Hollywood	4	3		68.84%	31.16%	
Los Angeles - Van Nuys	3	4		72.05%	27.95%	
Los Angeles - Wholesale District	3	2		74.07%	25.93%	
Los Angeles - Shadow Hills	5	3		77.62%	22.38%	
Los Angeles - West Los Angeles	4	2		79.44%	20.56%	
Los Angeles - Wilmington	2	4		80.79%	19.17%	
Los Angeles - Miracle Mile	2	4		81.50%	18.50%	
Los Angeles - Harbor City	2	4		82.36%	17.64%	
Los Angeles - North Hollywood	3	4		82.86%	17.14%	
Los Angeles - Downtown	3	2		85.40%	14.60%	
Los Angeles - West Adams	2	3		87.17%	12.83%	
Los Angeles - Toluca Lake	4	3		87.51%	12.49%	
Unincorporated - Hacienda Heights	5	1		87.72%	12.28%	
Los Angeles - Hancock Park	2	3		91.74%	8.26%	
Unincorporated - La Verne	5	1		93.02%	6.98%	
Los Angeles - Sherman Oaks	4	3		93.25%	6.75%	
Los Angeles - Valley Village	4	3		94.18%	5.82%	
Los Angeles - Mar Vista	2	4		94.29%	5.71%	
Los Angeles - South Carthay	2	4		95.33%	4.67%	
Unincorporated - Kagel/Lopez Canyons	5	3		95.42%	4.58%	
Los Angeles - Los Feliz	3	4		95.63%	4.36%	
Los Angeles - Granada Hills	4	3		96.48%	3.52%	
City of Lomita	4	2		97.03%	2.97%	
Los Angeles - Century City	2	4		97.16%	2.84%	
Los Angeles - Toluca Terrace	4	3		97.97%	2.03%	
Los Angeles - Venice	4	2		97.99%	2.01%	

12 Splits -LA City Neighborhood Councils

Neighborhood Councils	District1	District2	Percent1	Percent2
Westchester/Playa	2	4	52.81%	47.19%
Olympic Park	2	3	56.48%	43.52%
Wilmington	4	2	57.14%	42.85%
Downtown Los Angeles	3	2	66.89%	33.11%
Hollywood United	3	4	73.09%	26.91%
Northwest San Pedro	4	2	77.21%	22.79%
Hollywood Hills West	4	3	81.88%	18.12%
Mid City West	4	2	82.91%	17.09%
Foothill Trails District	5	3	83.00%	17.00%
Greater Wilshire	2	3	84.77%	15.14%
Pacoima	3	5	88.09%	11.91%
Sun Valley	3	5	90.27%	9.73%
Venice	4	2	96.44%	3.56%
NoHo	3	4	98.18%	1.82%
Westside	2	4	98.66%	1.34%

13 Splits - COIs from COI Model A

COI A	District1	District2	District3	Percent1	Percent2	Percent3
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		96.09%	3.91%	
San Fernando Valley	4	3	5	54.16%	23.42%	22.42%
San Gabriel Valley	1	5		52.19%	47.80%	
San Pedro	4	2		80.71%	19.28%	
Seaside Communities	4	2		84.09%	15.91%	
South East LA	3	2		90.58%	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%	

12 Splits - COIs from COI Model B

COI B	District1	District2	District3	Percent1	Percent2	Percent3
DTLA-Chinatown	3	2		88.77%	11.23%	
Long Beach	4	1		69.42%	30.57%	
San Fernando Valley	4	5	3	45.65%	28.93%	25.42%
San Gabriel Valley	5	1		55.62%	44.37%	
San Pedro	4	2		98.37%	1.62%	
Santa Monica - West LA	4	2		98.67%	1.33%	
Seaside Communities	4	2		82.65%	17.35%	
South East LA	3	2		90.58%	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%	

14 Splits - COIs from COI Model C

COI C	District1	District2	District3	District4	Percent1	Percent2	Percent3
DTLA-Chinatown	3	2			88.77%	11.23%	
Greater Tri-Cities	5	3			83.04%	16.96%	
Long Beach	4	1			69.42%	30.57%	
NE San Fernando Valley	3	5			54.46%	45.49%	
North San Gabriel Valley Foothills	1	5			74.16%	25.83%	
San Fernando Valley	4	3	5		76.84%	12.02%	11.14%
San Gabriel Valley	5	1			61.97%	38.02%	
San Pedro	4	2			98.37%	1.62%	
Seaside Communities	4	2			82.65%	17.35%	
South East LA	3	2			90.58%	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:	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 CONSOLIDATED STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

21 Splits - Consolidates Statistical Areas (CSAs)

CSA Name	District1	District2	Percent1	Percent2
Los Angeles - Atwater Village	D3	D1	50.53%	49.45%
Los Angeles - Harbor Gateway	D2	D4	55.28%	44.72%
City of Artesia	D1	D4	58.07%	41.93%
Los Angeles - Sun Valley	D3	D5	63.13%	36.87%
Unincorporated - Northeast San Gabriel	D5	D1	68.17%	31.83%
Los Angeles - Longwood	D2	D4	70.51%	29.49%
City of Cerritos	D1	D4	71.29%	28.70%
Los Angeles - Porter Ranch	D5	D3	72.04%	27.96%
Los Angeles - Baldwin Hills	D4	D2	72.24%	27.76%
City of Covina	D1	D5	75.40%	24.60%
Los Angeles - Elysian Valley	D3	D1	76.22%	23.78%
Los Angeles - Miracle Mile	D4	D2	78.39%	21.61%
Unincorporated - Covina (Charter Oak)	D5	D1	79.60%	20.40%
City of Burbank	D5	D3	80.52%	19.48%
City of Carson	D4	D2	81.13%	18.87%
City of Glendale	D5	D3	84.09%	15.91%
City of Baldwin Park	D1	D5	85.34%	14.66%
City of Santa Monica	D4	D3	89.28%	9.55%
Los Angeles - Melrose	D3	D4	91.28%	8.71%
Unincorporated - Covina	D1	D5	91.42%	8.58%
City of Temple City	D1	D5	91.42%	8.58%
City of El Monte	D1	D5	96.23%	3.77%
City of San Dimas	D5	D1	97.55%	2.45%

19 Splits- LA City Neighborhood Councils

Neighborhood Council	District1	District2	District3	Percent1	Percent2	Percent3
Echo Park	D1	D3	D2	37.29%	36.67%	26.04%
Downtown Los Angeles	D1	D2		50.78%	49.22%	
Empowerment Congress West	D2	D4		54.19%	45.81%	
Mid City West	D3	D4	D2	56.58%	41.07%	2.36%
Mid City	D4	D2		58.73%	41.27%	
Westside	D4	D3		69.58%	30.42%	
West Adams	D4	D2		69.69%	30.31%	
Harbor Gateway South	D4	D2		70.24%	29.76%	
Historic Cultural North	D1	D2		72.24%	27.76%	
Greater Wilshire	D2	D3		74.24%	25.68%	
Pacoima	D3	D5		76.09%	23.91%	
Arts District Little Tokyo	D1	D2		79.22%	20.78%	
Wilshire Center Koreatown	D2	D3		80.56%	19.44%	
Granada Hills South	D5	D3		80.84%	19.16%	
Olympic Park	D2	D4		85.01%	14.99%	
Silver Lake	D3	D2		87.03%	12.97%	
Rampart Village	D2	D3		91.91%	8.09%	
Atwater Village	D3	D1		92.50%	7.40%	
South Central	D2	D1		92.80%	7.20%	
Elysian Valley Riverside	D3	D1		95.24%	4.76%	
Sun Valley	D3	D5		95.81%	4.19%	
Foothill Trails District	D5	D3		97.95%	2.05%	
Chatsworth	D3	D5		98.42%	1.57%	

11 Splits - COIs from COI Model A

COI A	District1	District2	District3	Percent1	Percent2	Percent3
Baldwin Hills	D4	D2		76.19%	23.81%	
Carson-Compton-Gardena	D2	D4		57.50%	42.50%	
Dodgers Stadium Park Area	D3	D1	D2	67.18%	31.32%	1.50%
Gateway Cities	D1	D2	D4	50.78%	27.59%	21.63%
San Fernando Valley	D3	D5		63.35%	36.65%	
San Gabriel Valley	D1	D5		51.01%	48.99%	
South Bay Inland	D4	D2		79.41%	20.59%	
South East LA	D2	D1		76.80%	23.20%	
South Pasadena - Eagle Rock	D1	D5		64.48%	35.52%	
Tri-Cities-BGP	D5	D3		91.32%	8.68%	
West LA-Hollywood-Los Feliz	D3	D4	D2	87.12%	8.65%	4.23%

10 Splits - COIs from COI Model B

COI B	District1	District2	District3	Percent1	Percent2	Percent3
Carson-Compton-Gardena	D2	D4		57.50%	42.50%	
Dodgers Stadium Park Area	D3	D1	D2	67.18%	31.32%	1.50%
Gateway Cities	D1	D2	D4	50.78%	27.59%	21.63%
Greater Inglewood-Crenshaw	D2	D4		61.03%	38.97%	
San Fernando Valley	D3	D5		56.10%	43.90%	
San Gabriel Valley	D5	D1		56.63%	43.37%	
Santa Monica - West LA	D3	D4		46.64%	29.42%	
South Bay Inland	D4	D2		79.41%	20.59%	
South East LA	D2	D1		76.80%	23.20%	
West LA-Hollywood-Los Feliz	D3	D4	D2	83.35%	11.56%	5.10%

12 Splits - COIs from COI Model C

COI C	District1	District2	District3	Percent1	Percent2	Percent3
Carson-Compton-Gardena	D2	D4		57.50%	42.50%	
Dodgers Stadium Park Area	D3	D1	D2	67.18%	31.32%	1.50%
Gateway Cities	D1	D2	D4	50.78%	27.59%	21.63%
Greater Inglewood-Crenshaw	D2	D4		61.03%	38.97%	
Greater Tri-Cities	D5	D3		91.93%	8.07%	
NE San Fernando Valley	D5	D3		66.50%	33.50%	
San Fernando Valley	D3	D5		76.86%	23.14%	
San Gabriel Valley	D1	D5		83.70%	16.30%	
Santa Monica - West LA	D3	D4		61.59%	15.14%	
South Bay Inland	D4	D2		79.41%	20.59%	
South East LA	D2	D1		76.80%	23.20%	
West LA-Hollywood-Los Feliz	D3	D4	D2	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 CONSOLIDATED STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

43 Splits - Consolidates Statistical Areas (CSAs)



CSA	District1	District2	District3	Percent1	Percent2	Percent3
Unincorporated - Monrovia	5	1		50.65%	49.35%	
Los Angeles - Sun Valley	5	3		51.55%	48.45%	
Los Angeles - Rancho Park	3	2		53.81%	46.19%	
Los Angeles - Westchester	2	3		55.56%	44.44%	
Los Angeles - Melrose	3	1	2	58.51%	38.58%	2.90%
Los Angeles - Playa Vista	3	2		58.52%	41.48%	
Los Angeles - Vernon Central	2	4		59.88%	39.86%	
Los Angeles - Hollywood	3	1		60.60%	39.40%	
Unincorporated - Covina	5	1		62.87%	37.13%	
Unincorporated - Covina (Charter Oak)	5	1		63.27%	36.73%	
Los Angeles - Lakeview Terrace	5	3		64.55%	35.45%	
Los Angeles - Northridge	3	5		64.83%	35.17%	
Los Angeles - Park La Brea	2	3		65.11%	34.89%	
Los Angeles - Little Tokyo	1	2		68.35%	31.65%	
Los Angeles - Hancock Park	3	2		69.74%	30.26%	
Los Angeles - University Park	1	2		73.97%	26.03%	
City of Duarte	5	1		74.47%	25.53%	
Los Angeles - Wholesale District	1	2		74.53%	25.39%	
Los Angeles - Eagle Rock	1	5		76.20%	23.80%	
Los Angeles - Shadow Hills	5	3		77.62%	22.38%	
Unincorporated - Azusa	1	5		78.23%	21.77%	
Los Angeles - Harbor Gateway	2	4		79.39%	20.61%	
City of Long Beach	4	2		79.47%	20.51%	
City of El Segundo	3	2		80.40%	19.60%	
Los Angeles - Canoga Park	3	5		80.47%	19.53%	
Los Angeles - Los Feliz	3	1		81.05%	18.92%	
Los Angeles - Pico-Union	1	2		82.07%	17.93%	
Los Angeles - Tarzana	3	5		83.42%	16.58%	
City of Whittier	4	1		83.77%	16.22%	

Splits - Consolidates Statistical Areas (CSAs) - continued

CSA	District1	District2	District3	Percent1	Percent2	Percent3
Los Angeles - Venice	3	2		84.74%	15.26%	
Los Angeles - West Adams	2	1		84.86%	15.14%	
Los Angeles - Carthay	3	2		85.22%	14.78%	
Los Angeles - Granada Hills	5	3		86.12%	13.88%	
Los Angeles - Woodland Hills	5	3		86.61%	13.39%	
Los Angeles - Reseda	3	5		87.23%	12.77%	
Unincorporated - Hacienda Heights	1	4		87.80%	12.20%	
Unincorporated - Kagel/Lopez Canyons	5	3		88.18%	11.82%	
Los Angeles - Del Rey	2	3		88.44%	11.56%	
Los Angeles - Downtown	1	2		88.54%	11.46%	
Los Angeles - North Hills	3	5		93.81%	6.19%	
City of San Gabriel	1	5		94.03%	5.97%	
Los Angeles - Wilmington	4	2		94.10%	5.90%	
City of Azusa	1	5		94.26%	5.74%	
Los Angeles - Central	2	1	4	94.40%	4.43%	1.17%
City of Torrance	4	3		95.84%	4.13%	
Los Angeles - Sylmar	3	5		96.21%	3.79%	
Los Angeles - Wilshire Center	2	1		96.62%	3.38%	
Unincorporated - Rowland Heights	4	1		96.98%	3.00%	
Los Angeles - Toluca Terrace	3	5		97.10%	2.90%	
Unincorporated - Bradbury	5	1		98.48%	1.52%	
City of Industry	1	4		98.73%	1.27%	
Los Angeles - Silverlake	1	2		98.89%	1.11%	

30 Splits - LA City Neighborhood Councils



Neighborhood Councils	District1	District2	District3	Percent1	Percent2	Percent3
Central Alameda	4	2		50.07%	49.93%	
Westchester/Playa	3	2		50.23%	49.77%	
Rampart Village	1	2		51.13%	48.87%	
Westside	3	2		54.38%	45.62%	
Northridge East	5	3		55.82%	44.18%	
Pico Union	1	2		56.29%	43.71%	
Greater Wilshire	3	2	1	56.66%	39.21%	4.12%
MacArthur Park	1	2		60.78%	39.22%	
South Central	2	1	4	65.11%	24.67%	10.23%
Downtown Los Angeles	1	2		65.17%	34.72%	
Mid City West	3	2		66.50%	33.50%	
Harbor Gateway South	2	4		67.72%	32.28%	
Los Feliz	3	1		71.54%	28.43%	
Eagle Rock	1	5		73.50%	26.50%	
Granada Hills South	5	3		74.54%	25.46%	
Atwater Village	3	1		76.28%	23.39%	
Tarzana	3	5		76.42%	23.58%	
Sun Valley	3	5		78.35%	21.65%	
Empowerment Congress North	2	1		82.17%	17.83%	
Wilshire Center Koreatown	2	1		84.50%	15.50%	
Woodland Hills-Warner Center	5	3		84.68%	15.32%	
Venice	3	2		85.10%	14.90%	
Del Rey	2	3		86.35%	13.65%	
Foothill Trails District	5	3		87.07%	12.93%	
Canoga Park	3	5		87.07%	12.93%	
Pacoima	3	5		88.00%	12.00%	
Northridge West	5	3		89.12%	10.88%	
Central Hollywood	1	3		89.15%	10.85%	
West LA - Sawtelle	3	2		90.23%	9.77%	
Granada Hills North	5	3		91.13%	8.87%	
Chatsworth	5	3		95.79%	4.21%	
Hollywood United	3	1		96.23%	3.74%	
Sylmar	3	5		96.27%	3.73%	
Wilmington	4	2		97.45%	2.55%	
Hollywood Hills West	3	1		97.83%	2.13%	

17 Splits - COIs from COI Model A

COI A	District1	District2	District3	Percent1	Percent2	Percent3
Baldwin Hills	2	1		98.78%	1.22%	
Carson-Compton-Gardena	2	4		98.03%	1.97%	
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	3	4	2	87.21%	11.12%	1.67%
Malibu-Topanga	3	5		98.46%	1.54%	
San Fernando Valley	3	5		52.21%	47.79%	
San Gabriel Valley	1	5	4	40.81%	38.47%	20.71%
San Pedro	4	3		95.57%	3.61%	
Seaside Communities	3	4	2	79.17%	10.70%	10.13%
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%	

16-Split COIs from COI Model B

COI B	District1	District2	District3	Percent1	Percent2	Percent3
Carson-Compton-Gardena	2	4		98.03%	1.97%	
DTLA-Chinatown	1	2		88.57%	11.43%	
Greater Whittier	4	1		62.52%	37.47%	
Long Beach	4	2		86.93%	13.06%	
Malibu-Topanga	3	5		98.46%	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	46.74%	35.64%	17.61%
San Pedro	3	4		91.89%	8.04%	
Seaside Communities	3	4	2	77.28%	11.67%	11.05%
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%	

19 Splits- COIs from COI Model C

COI C	District1	District2	District3	Percent1	Percent2	Percent3
Carson-Compton-Gardena	2	4		98.03%	1.97%	
DTLA-Chinatown	1	2		88.57%	11.43%	
Greater Tri-Cities	5	1		96.64%	3.35%	
Greater Whittier	4	1		62.52%	37.47%	
Long Beach	4	2		86.93%	13.06%	
Malibu-Topanga	3	5		98.46%	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%	10.64%
San Pedro	3	4		91.89%	8.04%	
Seaside Communities	3	4	2	77.28%	11.67%	11.05%
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:	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 CONSOLIDATED STATISTICAL AREAS (CSA) , LA CITY
NEIGHBORHOOD COUNCILS, COMMUNITY OF INTEREST MODELS A,
B AND C

36 Splits - Consolidates Statistical Areas (CSAs)

CSA Name	District1	District2	District3	Percent1	Percent2	Percent3
Los Angeles - Elysian Valley	D5	D2	D1	47.14%	29.19%	23.65%
Los Angeles - Florence-Firestone	D4	D2		50.08%	49.92%	
Los Angeles - Wholesale District	D1	D2		51.14%	48.86%	
Los Angeles - South Park	D2	D4		54.01%	45.99%	
Unincorporated - East Pasadena	D5	D1		55.81%	44.19%	
Los Angeles - Chinatown	D2	D1		60.07%	39.93%	
City of Bell Gardens	D2	D1		61.68%	38.32%	
City of Culver City	D3	D4		62.23%	37.77%	
City of Carson	D2	D4		62.24%	37.76%	
Los Angeles - Venice	D3	D4		63.95%	35.13%	
Los Angeles - University Park	D4	D2		66.98%	33.02%	
City of Santa Fe Springs	D2	D1		67.24%	32.76%	
City of Maywood	D2	D1		68.36%	31.64%	
City of Duarte	D5	D1		68.59%	31.41%	
City of Monrovia	D5	D1		68.61%	31.39%	
Los Angeles - Lincoln Heights	D1	D5		69.36%	30.63%	
City of Bell	D2	D1		70.04%	29.96%	
Unincorporated - Florence-Firestone	D4	D2		70.73%	29.27%	
Los Angeles - Harbor City	D2	D4		71.63%	28.37%	
Los Angeles - Pico-Union	D4	D2		71.77%	28.23%	
Los Angeles - Porter Ranch	D5	D3		72.04%	27.96%	
City of Compton	D2	D4		73.14%	26.86%	
Los Angeles - Arleta	D3	D5		75.43%	24.57%	
Los Angeles - Granada Hills	D5	D3		76.96%	23.04%	
Los Angeles - Westlake	D2	D4		81.50%	18.50%	
Los Angeles - Mt. Washington	D5	D1		81.71%	18.29%	
Los Angeles - Watts	D4	D2		84.06%	15.94%	
City of Downey	D2	D1		86.83%	13.17%	
City of Arcadia	D1	D5		87.51%	12.49%	
Los Angeles - San Pedro	D2	D4		87.79%	12.19%	
Los Angeles - Mission Hills	D5	D3		89.62%	10.38%	
Los Angeles - El Sereno	D1	D5		89.99%	10.01%	
Los Angeles - Wilmington	D2	D4		90.91%	9.09%	
City of Rancho Palos Verdes	D4	D2		91.61%	8.26%	
Los Angeles - Pacoima	D5	D3		92.57%	7.43%	
Los Angeles - Silverlake	D3	D2		94.65%	5.35%	
Los Angeles - Temple-Beaudry	D2	D4		96.26%	3.74%	
Los Angeles - Central	D2	D4		96.67%	3.33%	
Los Angeles - Toluca Terrace	D3	D5		98.20%	1.80%	
Unincorporated - Covina (Charter Oak)	D1	D5		98.67%	1.33%	

30 Splits - LA City Neighborhood Councils

Neighborhood Council	District1	District2	District3	Percent1	Percent2	Percent3
Harbor City	D4	D2		50.42%	49.58%	
CANN DU	D4	D2		50.81%	49.19%	
Venice	D3	D4		56.76%	43.19%	
Arts District Little Tokyo	D2	D1		58.21%	41.79%	
Greater Cypress Park	D5	D1		62.04%	37.69%	
Rampart Village	D4	D2	D3	64.61%	27.29%	8.09%
Elysian Valley Riverside	D5	D3	D2	65.58%	32.84%	1.58%
Historic Cultural North	D1	D2		67.64%	32.36%	
MacArthur Park	D4	D2		68.32%	31.68%	
Arleta	D3	D5		71.45%	28.55%	
Greater Wilshire	D4	D3		74.26%	25.74%	
Zapata King	D2	D4		76.21%	23.79%	
Mid City West	D3	D4		77.61%	22.39%	
Hollywood United	D5	D3		78.08%	21.92%	
Northwest San Pedro	D2	D4		80.44%	19.56%	
Wilshire Center Koreatown	D4	D3		80.56%	19.44%	
Silver Lake	D3	D2	D5	80.71%	16.04%	3.25%
LA32	D1	D5		81.80%	18.20%	
Hollywood Hills West	D3	D5		81.89%	18.11%	
Coastal San Pedro	D2	D4		83.10%	16.85%	
South Robertson	D3	D4		83.82%	16.18%	
P.I.C.O.	D4	D3		84.11%	15.89%	
South Central	D2	D4		87.66%	12.34%	
Watts	D4	D2		88.11%	11.89%	
Mission Hills	D5	D3		89.05%	10.95%	
Arroyo Seco	D5	D1		89.26%	10.74%	
Los Feliz	D5	D3		89.42%	10.58%	
Pico Union	D4	D2		90.92%	9.08%	
North Hollywood Northeast	D3	D5		93.79%	6.21%	
Pacoima	D5	D3		94.28%	5.72%	
Lincoln Heights	D1	D5		95.88%	4.00%	
North Hollywood West	D3	D5		95.98%	4.02%	
Wilmington	D2	D4		96.03%	3.97%	
Echo Park	D2	D3		96.84%	2.79%	
Hermon	D5	D1		98.39%	1.61%	
Chatsworth	D3	D5		98.42%	1.57%	
Sun Valley	D5	D3		98.80%	1.20%	

19 Splits- COIs from COI Model A

COI A	District1	District2	District3	District4	Percent1	Percent2	Percent3	Percent4
Baldwin Hills	D4	D3			79.62%	20.38%		
Carson-Compton-Gardena	D4	D2			56.03%	43.97%		
DTLA-Chinatown	D2	D1			94.07%	5.93%		
Dodgers Stadium Park Area	D3	D2	D5	D1	36.05%	33.83%	27.83%	2.28%
East LA	D1	D2	D5		83.21%	11.56%	5.23%	
Gateway Cities	D2	D1			92.80%	7.20%		
Greater Whittier	D1	D2			81.27%	18.73%		
Long Beach	D4	D2			20.51%	11.08%		
San Fernando Valley	D3	D5			56.76%	43.24%		
San Gabriel Valley	D1	D5			73.90%	26.10%		
San Pedro	D2	D4			50.67%	10.31%		
Seaside Communities	D4	D3			42.79%	8.59%		
South East LA	D2	D1	D4		71.31%	22.30%	6.39%	
South LA	D4	D2			81.66%	18.34%		
South Pasadena - Eagle Rock	D5	D1			79.23%	20.77%		
Tri-Cities-BGP	D5	D1			98.34%	1.66%		
USC Area	D4	D2			69.52%	30.48%		
West LA-Hollywood-Los Feliz	D3	D5	D4		81.78%	12.84%	5.38%	
West of DTLA	D4	D2			61.66%	38.34%		

17 Splits- COIs from COI Model B

COI B	District1	District2	District3	District4	Percent1	Percent2	Percent3	Percent4
Carson-Compton-Gardena	D4	D2			56.03%	43.97%		
DTLA-Chinatown	D2	D1			94.07%	5.93%		
Dodgers Stadium Park Area	D3	D2	D5	D1	36.05%	33.83%	27.83%	2.28%
Gateway Cities	D2	D1			92.80%	7.20%		
Greater Inglewood-Crenshaw	D4	D3			97.19%	2.81%		
Greater Whittier	D1	D2			78.14%	21.86%		
NE LA	D5	D1			67.70%	32.30%		
San Fernando Valley	D5	D3			52.16%	47.84%		
San Gabriel Valley	D1	D5			64.31%	35.69%		
San Pedro	D4	D2			22.41%	4.26%		
Seaside Communities	D4	D3			46.66%	4.69%		
South East LA	D2	D1	D4		71.31%	22.30%	6.39%	
South LA	D4	D2			76.97%	23.03%		
USC Area	D4	D2			92.15%	7.85%		
West LA-Hollywood-Los Feliz	D3	D5	D4		78.06%	15.46%	6.48%	
West of DTLA	D4	D2			61.66%	38.34%		
Wholesale District	D1	D2			51.12%	48.88%		

19 Splits - COIs from COI Model C

COI C	District1	District2	District3	District4	Percent1	Percent2	Percent3	Percent4
Carson-Compton-Gardena	D4	D2			56.03%	43.97%		
DTLA-Chinatown	D2	D1			94.07%	5.93%		
Dodgers Stadium Park Area	D3	D2	D5	D1	36.05%	33.83%	27.83%	2.28%
Gateway Cities	D2	D1			92.80%	7.20%		
Greater Inglewood-Crenshaw	D4	D3			97.19%	2.81%		
Greater Tri-Cities	D5	D1			94.77%	5.23%		
Greater Whittier	D1	D2			78.14%	21.86%		
NE LA	D5	D1			67.70%	32.30%		
NE San Fernando Valley	D5	D3			90.95%	9.05%		
North San Gabriel Valley Foothills	D5	D1			66.57%	33.43%		
San Fernando Valley	D3	D5			77.03%	22.97%		
San Pedro	D4	D2			22.41%	4.26%		
Seaside Communities	D4	D3			46.66%	4.69%		
South East LA	D2	D1	D4		71.31%	22.30%	6.39%	
South LA	D4	D2			76.97%	23.03%		
USC Area	D4	D2			92.15%	7.85%		
West LA-Hollywood-Los Feliz	D3	D5	D4		78.06%	15.46%	6.48%	
West of DTLA	D4	D2			61.66%	38.34%		
Wholesale District	D1	D2			51.12%	48.88%		

Compactness Analysis

District	Polygon Area (sq. mi)	Perimeter (mi)	Reock	Area/Convex Hull	Grofman	Schwartzberg	Polsby Popper
D1	318.07	132.6	0.43	0.82	7.44	2.1	0.23
D2	236.71	114.27	0.38	0.67	7.43	2.1	0.23
D3	424.35	129.9	0.33	0.79	6.31	1.78	0.32
D4	328.4	213.26	0.05	0.24	11.77	3.32	0.09
D5	2813.78	279.05	0.5	0.94	5.26	1.48	0.45