



Los Angeles Unified's Greening Index of Schools

Greening Index is a combination of **two** measures of need:

➤ ***Community-based need:***

- Data source: LA County Parks Needs Assessment

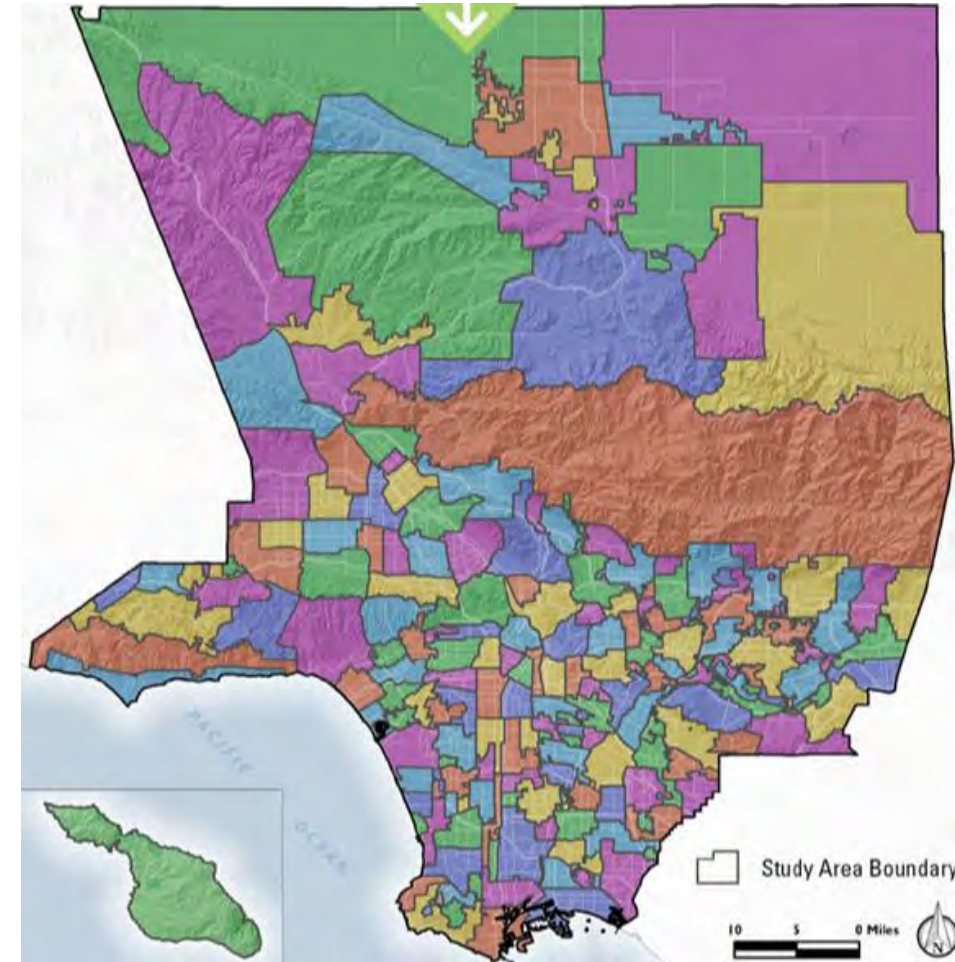
➤ ***LAUSD campus specific need:***

- Data source: LAUSD Facilities Condition Assessment (M&O)

Measuring Community-Based Need

LA County Parks Assessment - Overview

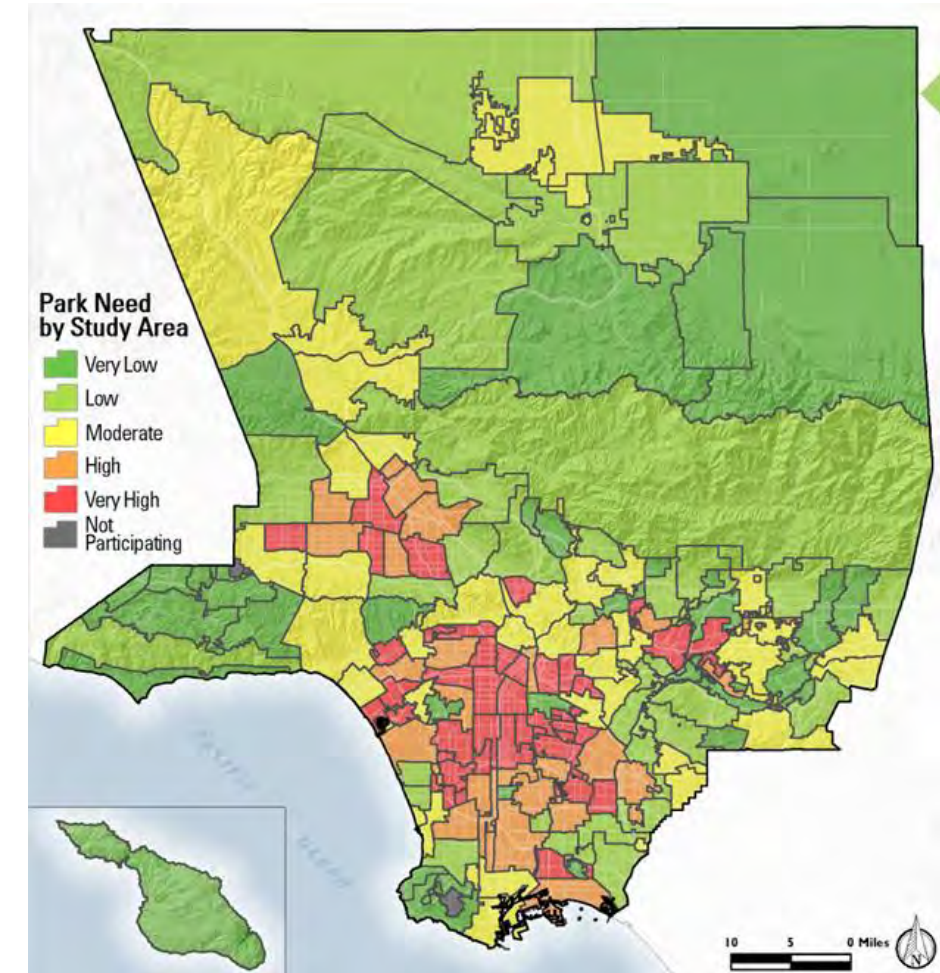
- Comprehensive inventory and assessment of LA County Park and Recreation Facilities completed in 2015
- Developed 188 study areas across LA County
- Study areas based on City of LA planning areas, 88 cities and unincorporated County
- Each study area followed same methodology to collect and analyze data



Measuring Community-Based Park Need

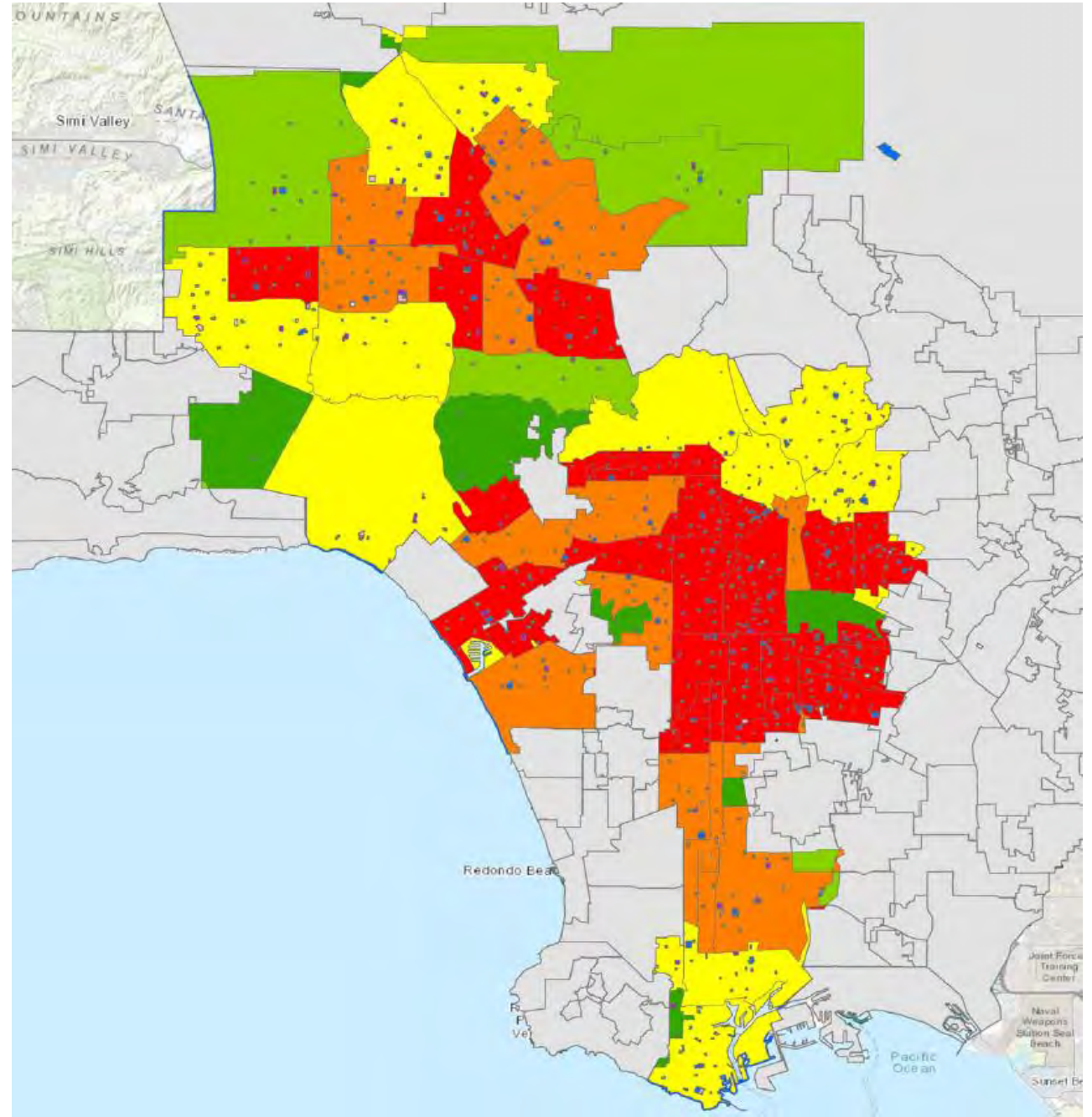
LA County Parks Assessment – Overview Continued

- All parks and open space inventoried by study area
- Developed a metric to measure need of each study area based on the following:
 - *Amount of park land available to residents*
 - *Condition of parks*
 - *Accessibility of parks*
 - *Population Density*
- Each area assigned one of 5 levels of need from Very High to Very Low



Assigning Community Need to LAUSD Schools

- LAUSD staff worked with LA County to acquire GIS data
- Using GIS tools, each LAUSD campus has been assigned a Park Need level



Measuring LAUSD Campus-Specific Need: Assigning a Green Score

- Hardscape and green space components identified and summarized by site
- Athletic fields or undeveloped/unusable space on campus not included
- Green score expressed as % of total SqFt (hardscape + green space)

Example: Pinewood Elementary School



			SqFt
GREEN SPACE	GRASS	Playfield, Grass	8,060
		Lawn	3,412
	GARDENS	Garden, Agricultural Areas	
		Garden, Community Garden	
		Garden, Community School Park	
		Garden, Edible	
		Garden, Habitat	
		Garden, Multiuse	1,024
		Garden, Nature Explore	
		Garden, Reading	
		Gardens	160
		Planters, Brick	
		Planters, Wood / Plastic	
	ARTIFICIAL TURF	Playfield, Synthetic	
	PERVIOUS SURFACES	Running Track, Decomposed Granite	
		Decomposed Granite Walkway	
		Play Area Surfacing, Wood Chips	
Total			12,656

		SqFt
HARDSCAPE	Concrete Parking Lot	
	Concrete Playground	
	Concrete Roadway	
	Concrete Walkway	23,162
	Trash Dumpster Area Concrete	
	Asphalt Parking Lot	24,978
	Asphalt Playground	107,549
	Asphalt Roadway	
	Asphalt Walkways	12,196
	Trash Dumpster Area Asphalt	950
	Running Track, Asphalt	
	Amphitheatre	
	Stage, Outdoor/Exterior	
	Skateboard Park	
	Tennis Court	
Total		168,835

Campus Information					Green Score					
B	LD	Site I	Site Name	Type	Green Space SqFt	Hardscape SqFt	Total	Green Score (% Green SqFt on Site)	Green Score Rescaled	Green Score Weighted
					D	E	F = (D + E)	G = (D / F)	H	J = (H x 60%)
		6 Northeast	13613 PINWOOD EL	EL	12,656	168,835	181,491	6.97%	89.39	53.63

Combining Community Park Need and Campus Greening Needs

1. Assign each LA County park need category a score

2. Rescale the score out of 100

3. Apply weighting to Park Need - 40% weight

4. Calculate the % of green space on site:
Green Space SqFt
Hardscape SF

5. Rescale the Green score so the least green schools gets highest score

6. Apply weighting to Green Score - 60% weight

7. Add the Park Need & Green Weighted Scores and Rank

Campus Information					Park Need Score				Green Score						Combined Score	
BD	LD	Site ID	Site Name	Type	Park Need	Park Need Score	Park Need Score Rescaled	Park Need Weighted	Green Space SqFt	Hardscape SqFt	Total	Green Score (% Green SqFt on Site)	Green Score Rescaled	Green Score Weighted	Combined Score Weighted	Combined Rank
						A	B = (A x 25)	C = (B x 40%)	D	E	F = (D + E)	G = (D / F)	H	J = (H x 60%)	K = (C + J)	
2	Central	13311	LOCKWOOD EL	EL	Very High	4	100	40	1,049	162,059	163,108	0.64%	99.85	59.91	99.91	1
5	East	14586	MARQUEZ, LINDA ESPERANZA HS HPIAM	SH	Very High	4	100	40	477	180,691	181,168	0.26%	99.65	59.79	99.79	2
1	Central	13914	JONES PC, DR JAMES EDWARD	EL	Very High	4	100	40	495	59,704	60,199	0.82%	99.56	59.74	99.74	3
1	West	13306	BRIGHT EL	EL	Very High	4	100	40	826	99,749	100,575	0.82%	99.56	59.74	99.74	3
1	West	13436	MUIR MS	MS	Very High	4	100	40	11,987	288,519	300,506	3.99%	99.43	59.66	99.66	5
2	East	13437	HUMPHREYS EL	EL	Very High	4	100	40	2,259	215,601	217,860	1.04%	99.21	59.53	99.53	6
6	Northeast	13632	NOBLE EL	EL	Very High	4	100	40	2,855	216,043	218,898	1.30%	98.79	59.27	99.27	7
1	West	13307	52ND ST EL	EL	Very High	4	100	40	2,329	172,328	174,657	1.33%	98.74	59.24	99.24	8
1	West	13507	LA SALLE EL	EL	Very High	4	100	40	2,504	185,143	187,647	1.33%	98.74	59.24	99.24	8
2	Central	13392	COMMONWEALTH EL	EL	Very High	4	100	40	1,864	130,815	132,679	1.40%	98.62	59.17	99.17	10
1	South	13449	CHARLES W BARRETT EL	EL	Very High	4	100	40	3,455	230,266	233,721	1.48%	98.49	59.09	99.09	11
2	East	13326	2ND ST EL	EL	Very High	4	100	40	2,445	158,027	160,472	1.52%	98.43	59.06	99.06	12
6	Northeast	13442	VICTORY EL	EL	Very High	4	100	40	2,400	153,368	155,768	1.54%	98.40	59.04	99.04	13
1	West	13349	95TH ST EL	EL	Very High	4	100	40	2,882	173,091	175,973	1.64%	98.24	58.94	98.94	14
6	Northwest	13413	LANGDON EL	EL	Very High	4	100	40	3,078	168,477	171,555	1.79%	97.99	58.79	98.79	15

Greening Index - Top 100 Ranked Campuses Geographically

