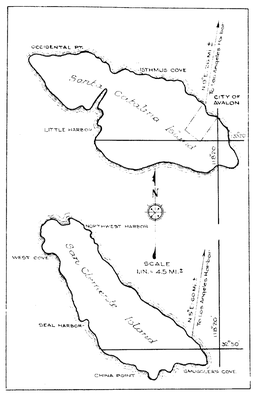

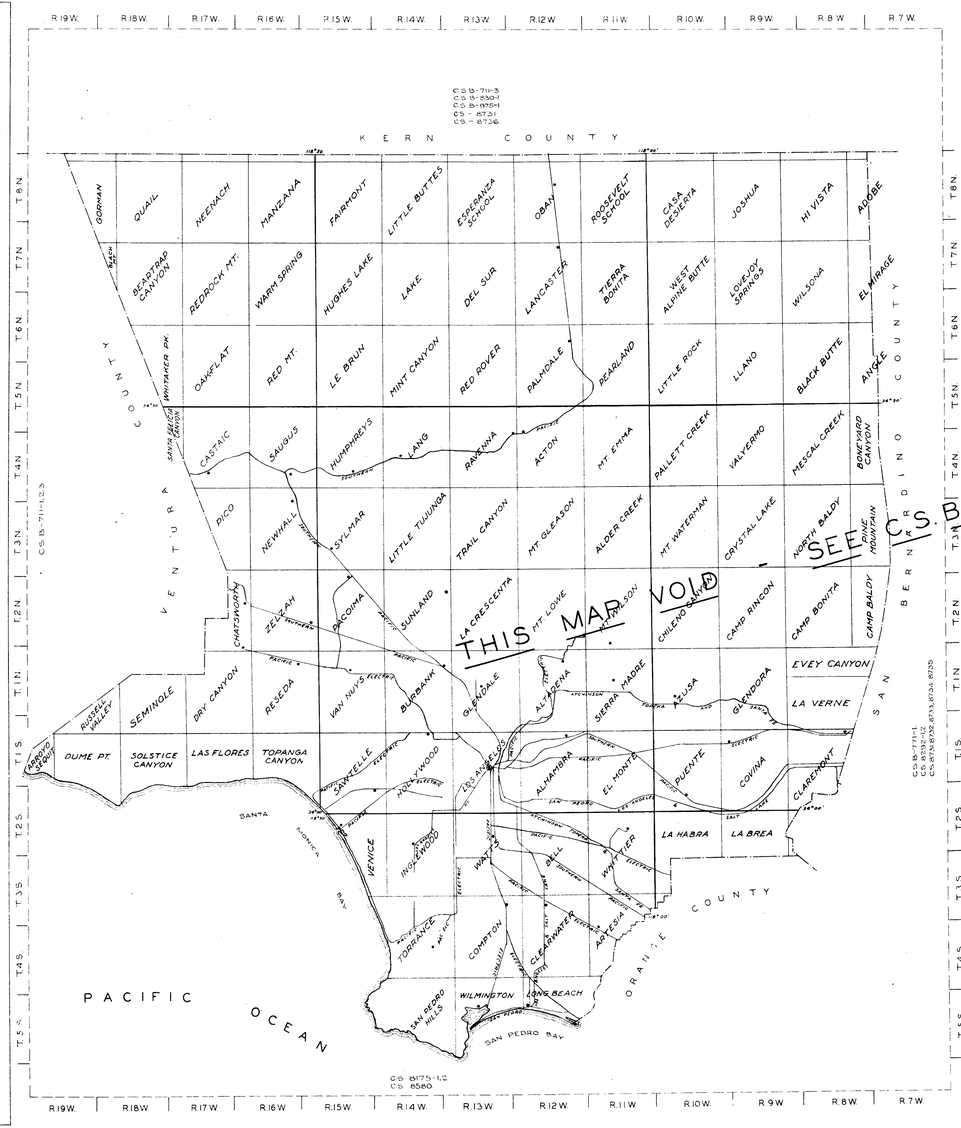

COMPUTATION OF AREA OF COUNTY OF LOS ANGELES BY U.S.G.S. QUADRANGLE SHEETS.

NAME	DATE SURVEYED	AREA SQ MILES	NAME	DATE SURVEYED	AREA SQ MILES
Acton		39.3587	Lone		39.3139
Adelfa	1931	16.2567	Long Beach	1923	8.0457
Adobe Creek		39.2702	Los Angeles		39.5427
Alhambra		39.5427	Lovejoy Springs		39.2058
Alhambra		39.4068	Manhattan	1933	39.5082
Angle	1930	14.7230	Mescal Creek		39.3587
Antelope Butte	1929	7.2390	Mint Canyon		39.3123
Antelope	1925	22.8550	Mt. Emma		39.3587
Azusa		39.4088	Mt. Gleason		39.4048
Beartrap Canyon	1931.1932	36.0617	Mt. Lowe		39.4504
Bell		39.5864	Mt. Waterman		39.4048
Black Butte		39.3123	Mt. Wilson		39.4509
Black Mountain	1932	0.3567	Neenach	1930	38.4028
Boneyard Canyon	1934	0.3798	Newhall		39.4048
Burbank		39.3969	North Baldy		39.4048
Cima Baldy	1934	17.3554	Oak Flat		39.3123
Cima Bonita		39.4509	Oban	1930	17.6410
Camp Rincon		39.4509	Pacoima		39.4509
Cima Deserta	1930	38.1089	Pallett Creek		39.3587
Castaic	1929.1931	38.8977	Palmdale		39.3123
Chatsworth	1933	18.0541	Pearland		39.3123
Chilao Canyon		39.4509	Pico	1220	20.4726
Clairmont	1925	25.0833	Pine Mountain		19.4322
Clearwater		39.1340	Puente		39.5427
Compton		39.4130	Quail	1932.1933	38.3683
Covina		39.5427	Ravenna		39.3587
Crystal Lake		39.4068	Red Mountain		39.3123
Del Sur		39.3659	Redrock Mtn		39.3659
Dry Canyon	1925.1929	39.2932	Red Rover		39.3123
Dume Point	1929	28.8106	Reseda		39.4969
El Mirage	1930	13.1283	Roosevelt School	1930	47.8869
El Monte		39.5427	Russell Valley	1929	12.1705
Esperanza School	1931	47.1904	San Pedro Hills	1925	32.5636
Evey Canyon	1933	19.7614	Santa Felicia Canyon	1931	5.9215
Fairmont	1932	38.5909	Saugus		39.3587
Glendale		39.4969	Sawtelle	1931	39.1052
Glendora		39.4969	Seminole	1929	28.8686
Gorman	1932.1933	39.3159	Sierra Madre		39.4969
Hi Vista	1931	38.3934	Solstice Canyon	1929	29.1060
Hollywood		39.5427	Sunland		39.4509
Hughes Lake		39.2659	Sylmar		39.4048
Humphreys		39.3587	Tierra Bonita		39.2659
Inglewood		39.5864	Topanga Canyon	1925	25.7379
Joshua	1930	45.2285	Torrance	1930	39.5621
La Brea	1925	32.3659	Trail Canyon		39.4048
La Crescenta		39.4509	Valyermo		39.3587
La Habra	1925	25.5571	Van Nuys		39.4969
La Verne	1925	29.2582	Venice	1930	19.0480
Lake		39.2659	Warm Spring		39.2659
Lancaster		39.2659	Watts		39.5286
Long		39.3587	West Alpine Butte		39.2659
Las Flores	1929	29.0979	Whitaker Peak	1931	24.7697
Le Brun		39.3123	Whittier		39.5864
Little Buttes	1931.	46.9178	Wilmington	1923	22.7571
Little Rock		39.3123	Wilsona		39.2659
Little Tujunga		39.4068	Zelzah		39.4509

Mainland Area - County of Los Angeles - Sq Miles = 3291.9783
Area of San Clemente Island per C.S. 6832 - Sq Miles = 56.7823
Area of Santa Catalina Island per C.S. 5292 - Sq Miles = 74.5567
Total Area - County of Los Angeles..... Sq Miles = 4083.7299

NOTE -
The Area of the County is based on the recognized boundaries as defined in Political Code Sec. 3927 (1923) and validated by Stats. 1927-1666.

The Method used in computing the Area of the County of Los Angeles was as follows -
The areas of quadrilaterals both for 2 minutes and 6 minutes extent in latitude and longitude were computed on the Clarke Spheroid of 1866 using the formulas as given on Page 165 of Geodesy & Least Squares by Charles L. Crandall.
The areas of the irregular U.S.G.S. quadrangles adjoining the ocean were obtained by planimetering a comparison being made between the reading on each irregular area and the reading on the known area of the corresponding 2 minute quadrilateral.
The areas of the other irregular quadrangle sheets were obtained either by planimetering or by cutting the irregular figures up into triangles and quadrilaterals and scaling the various dimensions. The scaled distances between parallels and meridians were compared with the true distances as shown in U.S. Department of Commerce Special Publication No. 5 and the ratio of true to scaled was used in reducing the various scaled distances.
In planimetering, each irregular area was measured on an average of four times by each of two computers and the mean of the two computers averages was adopted as the final area for that particular figure.
The detailed calculations are on file in the office of the County Surveyor.

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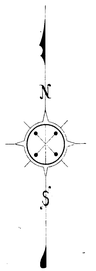

MAP SHOWING AREA OF LOS ANGELES COUNTY, CALIFORNIA

COUNTY SURVEYORS MAP No. B-1095
SCALE 1:1 INCH = 4.5 MILES

JOB NUMBER 5066

ALFRED JONES - COUNTY SURVEYOR
COMPILED OCT-NOV. 1935.

CALCULATED BY E.C. MENTZ
CHECKED BY .... H.E. HAYES

~~Negative of this map filed in Blue Print Dept as Negative No. 231.~~

This map is now corrected to date. See Corrected Copy. 9/20 1936