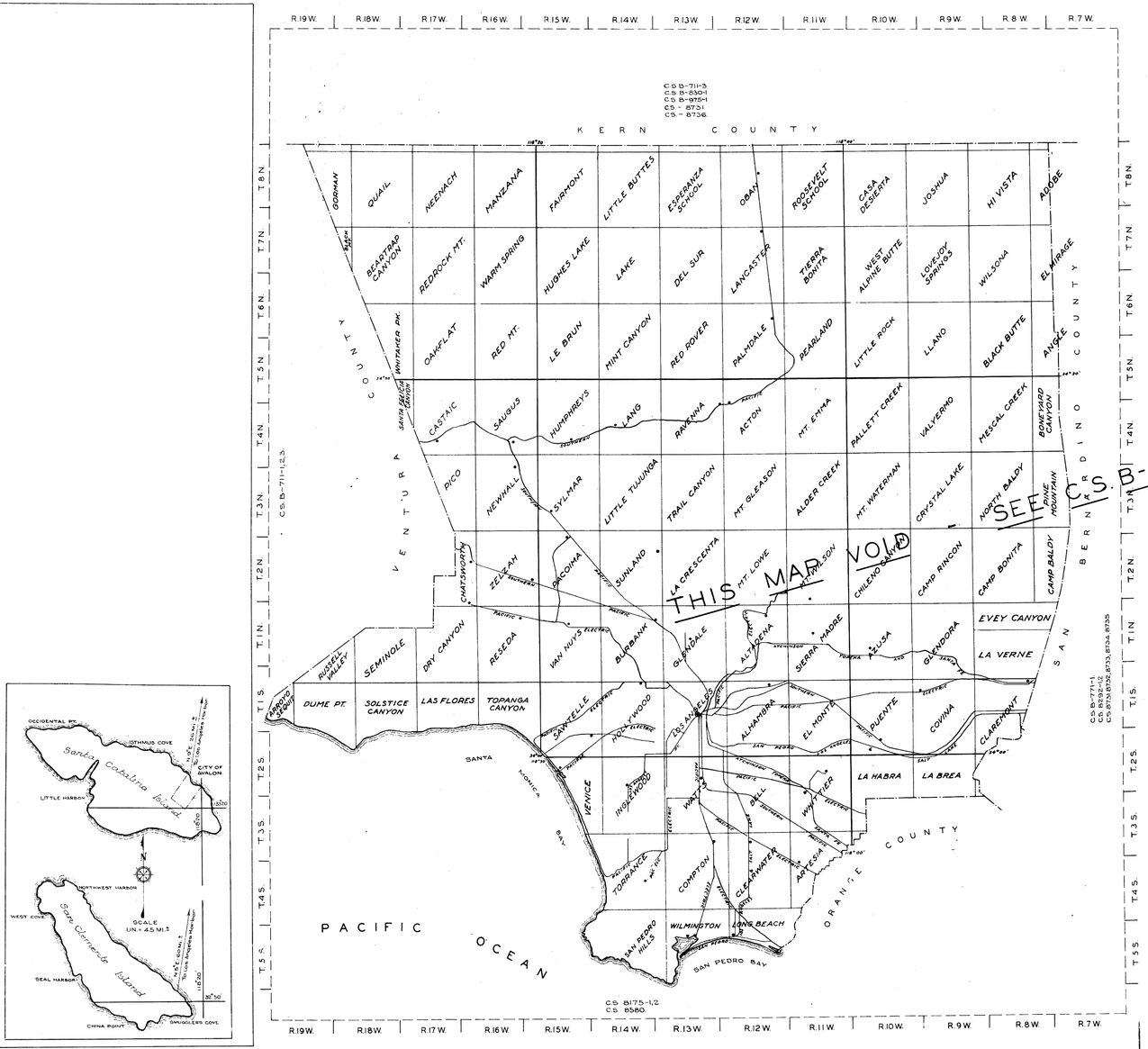


COMPUTATION OF AREA OF COUNTY OF LOS ANGELES BY U.S.G.S. QUADRANGLE SHEETS.

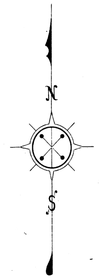
NAME	DATE SURVEYED	AREA SQ. MILES	NAME	DATE SURVEYED	AREA SQ. MILES
Acton		39.3587	Llano		39.3123
Addrie	1931	16.0567	Long Beach	1923	18.0457
Alder Creek		39.4048	Los Angeles		39.5427
Alhambra		39.5427	Lovejoy Springs		39.2659
Altadena		39.4068	Manjano	1933	36.5092
Amole	1930	14.7240	Mescal Creek		39.3587
Arroyo Seguit	1928	7.2190	Mint Canyon		39.3123
Arresia	1923	22.8550	Mt. Emma		39.3567
Azusa		39.4060	Mt. Gleason		39.4048
Beartrap Canyon	1931,1932	38.6607	Mt. Lowe		39.4509
bell		39.5864	Mt. Waterman		39.4048
Black Butte		39.3123	Mt. Wilson		39.4509
Black Mountain	1932	5.3567	Neenach	1932	48.4028
Boneyard Canyon	1934	12.1893	Newhall		39.4048
Burbank		39.2968	North Baldy		39.4048
Camp Baldy	1934	17.4354	Oak Flat		39.3123
Camp Bonita		39.4509	Oban	1930	47.4410
Camp Rincon		39.4509	Pacoima		39.4509
Casa Desierta	1930	48.1489	Pallett Creek		39.3587
Castaic	1929,1931	38.8977	Palmdale		39.3123
Chatsworth	1933	18.6541	Pearland		39.3123
Chilao Canyon		39.4509	Pico	1929	25.4728
Claremont	1925	28.0833	Pine Mountain		19.4322
Clearwater		39.4060	Puente		39.5427
Compton		39.4340	Quail	1932,1933	46.3883
Covina		39.5427	Ravenna		39.3587
Crystal Lake		39.4048	Red Mountain		39.3123
Del Sur		38.2659	Redrock Mtn.		39.2659
Dry Canyon	1925,1928	39.4932	Red Rover		39.3123
Dume Point	1929	28.8106	Reseda		39.4969
El Mirage	1930	13.1485	Roosevelt School	1930	47.8801
El Monte		39.5427	Russell Valley	1929	12.1105
Esperanza School	1931	47.1904	San Pedro Hills	1925	32.2836
Evey Canyon	1933	10.7814	Santa Felicia Canyon	1931	3.9215
Fairmont	1932	48.5109	Saugus		39.3587
Glendale		39.4969	Sawtelle	1931	39.1252
Gleniana		39.4969	Seminole	1929	26.8686
Gorman	1932,1933	30.2159	Sierra Madre		39.4969
Hillsta	1931	48.3934	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	25.7378
Joshua	1930	45.2285	Torrance	1930	39.2621
La Brea	1925	22.3699	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		39.5864
Lang		39.3587	West Alpine Butte		39.2659
Las Flores	1929	25.0279	Whitaker Peak	1931	24.7607
Le Brun		39.3123	Whittier		39.5864
Little Buttes	1931	48.9179	Wilmington	1923	22.7871
Little Rock		39.3123	Wilsona		39.2659
Little Tujunga		39.4048	Zelzah		39.4509

Mainland Area - County of Los Angeles - Sq. Miles = 3951.9783
Area of San Clemente Island per C.S. 663-2 - Sq. Miles = 56.7849
Area of Santa Catalina Island per C.S. 5202 - Sq. Miles = 74.9567
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: 1668.

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.

Tested at new scale



MAP SHOWING AREA OF LOS ANGELES COUNTY, CALIFORNIA

COUNTY SURVEYORS MAP No. B-1095
SCALE :- 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 void See Corrected copy. 9/30 1936