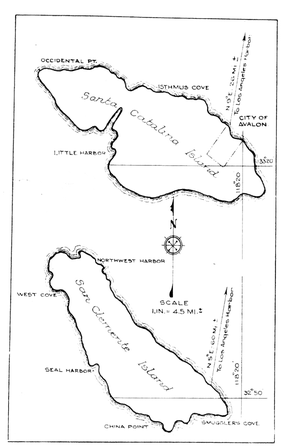
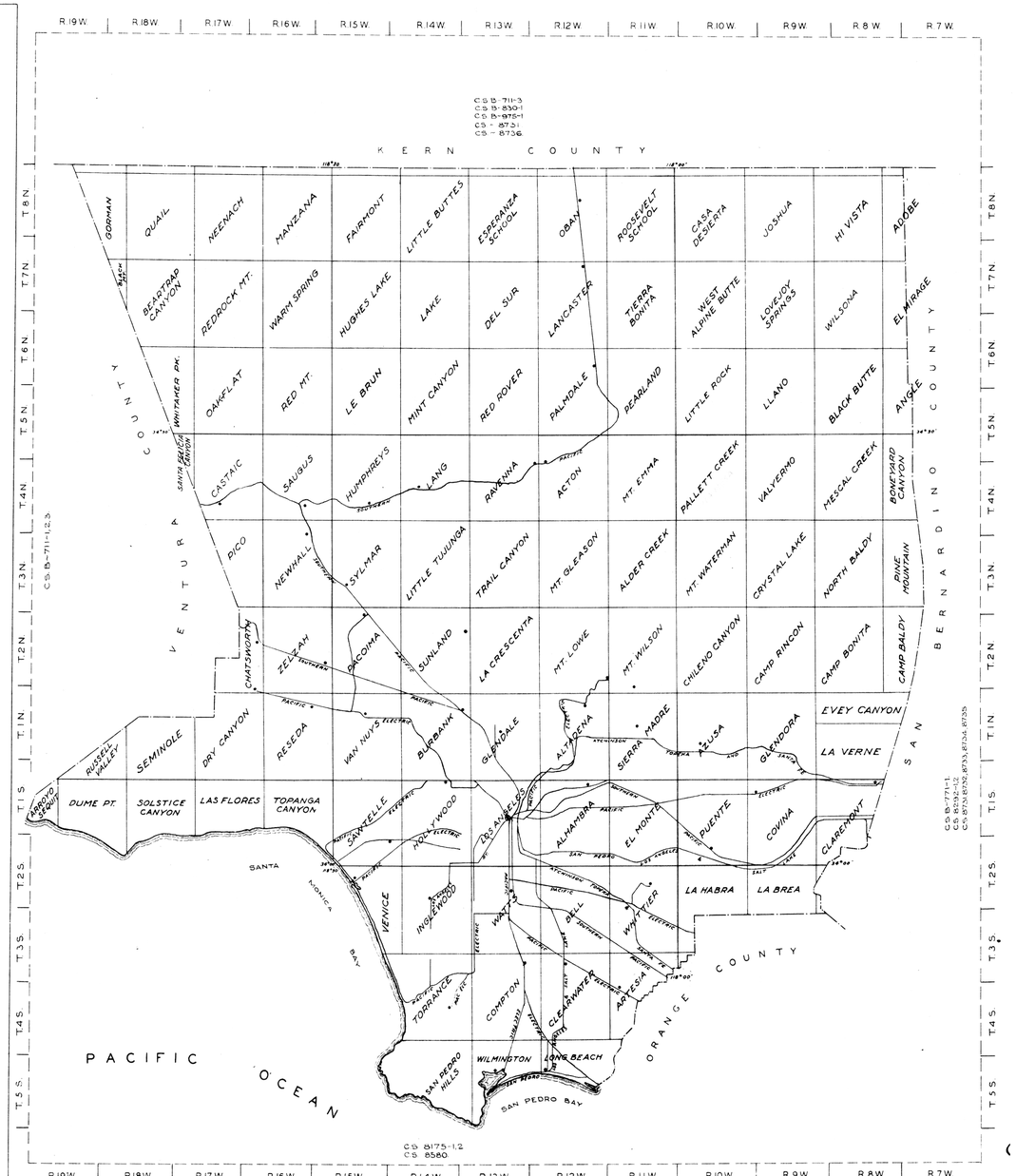




COMPUTATION OF AREA OF COUNTY OF LOS ANGELES BY U.S.G.S. QUADRANGLE, SHEETS.					
NAME	DATE SURVEYED	AREA SQ. MILES	NAME	DATE SURVEYED	AREA SQ. MILES
Acton		39.3587	Llano		39.3123
Adobe	1931	16.0567	Long Beach	1925	18.6457
Alder Creek		39.4123	Los Angeles		39.5427
Alhambra		39.5427	Lovejoy Springs		39.0038
Altadena		39.3969	Manzana	1933	38.5092
Angle	1930	14.7330	Mescal Creek		39.3587
Arroyo Seco	1929	7.2130	Mint Canyon		39.3123
Artesia	1925	22.8550	Mt. Emma		39.3587
Azusa		39.3583	Mt. Gleason		39.4048
Bear trap Canyon	1931,1932	38.9667	Mt. Lowe		39.4509
Bell		39.5884	Mt. Waterman		39.4048
Black Butte		39.3123	Mt. Wilson		39.4509
Black Mountain	1933	5.4567	Neenach	1932	38.4026
Bonneyard Canyon	1934	18.1893	Newhall		39.4048
Burbank		39.3969	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
Chileno Canyon		39.4509	Pico	1929	25.4778
Claremont	1925	28.0833	Pine Mountain		19.4322
Clearwater		39.6340	Puente		39.5427
Compton		39.6340	Quail	1932,1933	46.3983
Covina		39.5427	Ravenna		39.3587
Crystal Lake		39.4048	Red Mountain		39.3123
Del Sur		39.2659	Redrock Mtn.		39.2659
Dry Canyon	1925,1929	39.4932	Red Rover		39.3123
Dume Point	1929	28.8106	Reseda		39.4969
El Mirage	1930	13.1285	Roosevelt School	1930	47.8801
El Monte		39.5427	Russell Valley	1929	12.1103
Esperanza School	1931	47.1904	San Pedro Hills	1925	32.3836
Evey Canyon	1933	19.7814	Santa Felicia Canyon	1931	5.9215
Fairmont	1932	46.5109	Saugus		39.3587
Glendale		39.4969	Sawtelle	1931	39.1252
Glendora		39.4969	Seminole	1929	28.8886
Gorman	1932,1933	30.2159	Sierra Madre		39.4969
Hi Vista	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		39.5884	Topanga Canyon	1925	25.7579
Joshua	1930	48.2285	Torrance	1930	39.5621
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		39.5884
Lang		39.3587	West Alpine Butte		39.2659
Las Flores	1929	25.0279	Whitaker Peak	1931	24.7607
Le Brun		39.3123	Whittier		39.5884
Little Buttes	1931	46.9179	Wilmington	1925	22.7671
Little Rock		39.3123	Wilsona		39.2659
Little Tujunga		39.4048	Zeljah		39.4509

Mainland Area - County of Los Angeles - Sq. Miles = 3951.9783
Area of San Clemente Island per C.S.B-1332-2- Sq. Miles = 56.4071
Area of Santa Catalina Island per C.S.B-1332-1- Sq. Miles = 74.8242
Total Area - County of Los Angeles..... Sq. Miles = 4083.2096

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.

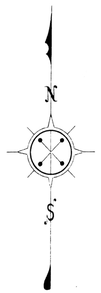
Likewise the areas of San Clemente and Santa Catalina Islands were obtained by planimetering on the maps of these islands noted above, comparison being made between the readings on the islands and the readings on the known area of the corresponding 5 minute quadrilaterals.

The detailed calculations are on file in the office of the County Surveyor.

Upon recommendation of the County Surveyor, September 16, 1936, the Board of Supervisors by order of September 30, 1936 (Minute Book 235, Page 143) adopted the following as the official areas of the mainland and islands of the County of Los Angeles:-

Mainland	3951.98	Square Miles
San Clemente Island	56.41	" "
Santa Catalina Island	74.82	" "

TOTAL AREA OF THE COUNTY OF L.A. = 4083.21 SQUARE MILES.



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.