STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

PUBLICATIONS OF THE
DIVISION OF WATER RESOURCES
EDWARD HYATT, State Engineer

BULLETIN No. 21-D

REPORT ON IRRIGATION DISTRICTS IN CALIFORNIA

For the Year 1932

1933

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FOREWORD

This is the fifth of a series of publications issued by the State dealing with the history and activities of districts formed under the California irrigation district act. The earlier reports are presented in Bulletins 2 (1916) and 21 (1929) of the State Department of Engineering and Irrigation, and Bulletins 21-A (1930), 21-B (1931) and 21-C (1932) of the Division of Water Resources. Bulletin 2 is out of print, but a limited number of the Bulletin 21 series is available for distribution and may be obtained from the State Bureau of Publications and Documents, Sacramento. The present bulletin is presented for the purpose of bringing up to January 1st, 1933, historical and statistical data on California irrigation districts and briefly recording such other information as was obtained on irrigation district activities in 1932. The information from which this report is compiled was obtained from the irrigation districts and has been carefully checked and analyzed, and while it is believed to be substantially correct, there may be minor inaccuracies in individual cases. It is desired to express the appreciation of this office for the assistance of district officials in the work of gathering this information.

DIRECTORY OF CALIFORNIA IRRIGATION DISTRICTS

Name of district	County	Estimated population			District officials			Office address
		Inside cities and towns	Outside cities and towns	Total	President	Secretary	Manager or engineer	
Alpaugh	Tulare	----------	----------	300	H. E. Sawyer	Mary B. B. Vallance	Paul Caldwell	Alpaugh
Alta	Tulare, Fresno, Kings	5,000	6,000	11,000	A. T. Crowther	E. Sibley	E. Sibley	Dinuba
Anderson-Cottonwood	Shasta, Tehama	1,200	800	2,000	W. W. Treat	Carl F. Eaton	Clyde Smith	Anderson
Banta-Carbona	San Joaquin	----------	525	525	F. D. Ryner	Elvira Hondas	J. B. Knight	Box 327, Tracy
Bard (part of Yuma U.S.project)	Imperial	----------	1,000	1,000	S. M. Colby	W. C. Ross	----------	Ross Corner, Yuma, Arizona
Baxter Creek	Lassen	----------	75	75	Alfred Luond	Harry S. Riddell	Harry S. Riddell	Susanville
Beaumont	Riverside	1,800	500	2,300	E. D. Norcross	E. D. Stahl	E. M. Thompson	Beaumont
Big Springs	Siskiyou	----------	113	113	F. Gemmett	Roy E. Swigart	G. M. Maddox	Montague
Browns Valley	Yuba	----------	400	400	L. B. Gurney	Ray C. Burris	L. B. Gurney	Browns Valley
Butte Valley	Siskiyou	150	100	250	H. L. Nelson	M. A. Gilmer	M. A. Gilmer	MacDoel
Byron-Bethany	Contra Costa, S.J., Alameda-	300	300	600	Geo. K. Anderson	G. A. Howard	V. L. Woolley	Byron
Camp Far West	Placer, Yuba	----------	125	125	R. H. Durst	Robert Anderson	M. C. Polk	Wheatland
Carmichael	Sacramento	----------	750	750	E. M. Lynch	Roy W. Sullivan	L. Williamson	P. O. Box 12, Carmichael
Carpenter	Orange	900	150	1,050	L. W. Evans	D. S. Smiley	A. Kempkey	Rt.1, Box 388, Orange
Citrus Heights	Sacramento, Placer	----------	1,000	1,000	J. A. Gray	Floyd J. Locher	J. H. Peugh	R.F.D. 1, Box 77, Roseville
Compton-Delevan	Colusa	----------	32	32	W. H. Lovelace	C. E. Ryan	----------	Financial Center Building, San Francisco
Consolidated	Fresno, Tulare, Kings	9,500	18,000	27,500	W. H. Shafer	A. R. Stedman	I. H. Teilman	Box 638, Selma
Corcoran	Kings	----------	1,500	1,500	J. M. Hansen	D. I. Brown	H. H. Holley	Corcoran
Cordua	Yuba	----------	50	50	Thos. Mathews	Jeannette Frank	----------	Marysville
Deer Creek	Tehama	----------	44	44	Charles Dicus	Mabel Hall	----------	Suite 1, 304 Broadway, Chico
East Contra Costa	Contra Costa	500	700	1,200	Arthur Honegger	Margaret Wallace	G. H. Jones	Brentwood
El Camino	Tehama	----------	600	600	J. W. Hollingsworth	Roy Pyle	Roy Pyle	Gerber
El Dorado	El Dorado	2,500	1,200	3,700	W. S. Rantz	F. N. Hosking	F. N. Hosking	Box 398, Placerville
El Nido	Merced	----------	300	300	Geo. T. McFarland	A. L. Cowell	James Bucholz	El Nido
Empire West Side	Kings	----------	55	55	J. R. Newton	E. B. Hoey	A. J. Nielsen	Stratford
Fairoaks	Sacramento	----------	1,800	1,800	E. C. Phoenix	Guy L. Camden	E. E. Fulton	Fairoaks
Fallbrook	San Diego	----------	----------	1,081	Victor B. Westfall	C. C. Cook	----------	Fallbrook
Foothill	Fresno and Tulare	200	500	700	H. J. MacKenzie	Geo. P. Pettengill	----------	Orosi
Fresno	Fresno	----------	50,000	50,000	A. S. Tarpey	J. Allan Hall	Geo. L. Swendsen	1001-9 Griffith-MacKenzie Bldg., Fresno
Glenn-Colusa	Glenn, Colusa	----------	1,500	1,500	S. S. Havenor	H. R. Allard	R. S. Edwards	Willows
Grenada	Siskiyou	100	85	185	W. E. Wanaka	Stuart Taylor	G. Inabnit	Grenada
Hemet	Riverside	----------	1,700	1,700	G. I. Webster	E. O. Eggen	----------	Hemet
Hot Spring Valley	Modoc	----------	300	300	----------	----------	----------	Alturas
Imperial	Imperial	30,427	30,476	60,903	J. L. Dubois	F. H. McIver	M. J. Dowd	El Centro
Island No. 3	Kings	----------	300	300	J. B. Roberts	Mrs. A. J. Scott	----------	Kingsburg
Jacinto	Glenn	----------	330	330	W. W. Koehler	Rosco Caldwell	Rosco Caldwell	Glenn
James	Fresno	----------	159	159	Peter Rusconi	N. D. Ingham	N. D. Ingham	San Joaquin
La Canada	Los Angeles	----------	900	900	Dan W. Green	F. E. Slutman	----------	4711 Castle Road, La Canada
Ladera	Riverside	----------	250	250	Mabel M. Townsend	A. W. McGahan	----------	Elsinore
Laguna	Fresno, Kings	----------	3,000	3,000	L. L. Garner	Bessie L. Scutt	A. J. Nielsen	Rt. 1, Box 197, Laton
Lakeland	Kings	----------	15	15	Forrest Riley	H. S. Hurlbut	H. F. Libby	Corcoran
Lakeside	San Diego	----------	----------	198	O. F. Einer	H. P. Schiller	H. P. Schiller	Lakeside
La Mesa, Lemon Grove & S. V.	San Diego	4,000	4,000	8,000	F. R. Beatty	Ruth C. Drew	G. Harritt	4769 Spring Street, La Mesa
Lemoore	Kings	----------	1,500	1,500	W. S. Winger	H. E. Odale	----------	Lemoore
Linden	San Joaquin	50	400	450	Ralph G. Houston	A. L. Cowell	----------	912 California Building, Stockton
Lindsay-Strathmore	Tulare	40	1,460	1,500	Ernest L. Daniels	H. R. Huebert	Geo. W. Trauger	P.O.Box 625, Lindsay
Littlerock Creek	Los Angeles	----------	150	150	Vernon A. Carr	W. J. Kling	----------	Littlerock
Lucerne	Kings	----------	1,200	1,200	W. L. Haag	S. E. Railsback	----------	Hanford
Madera	Madera	5,765	6,770	12,535	T. S. Coffee	Harry Barnes	Harry Barnes	120 So. D Street, Madera
Maxwell	Colusa	----------	20	20	----------	Thos. J. Hateley	----------	1710 10th Street, Sacramento

DIRECTORY OF CALIFORNIA IRRIGATION DISTRICTS (continued)

Name of district	County	Estimated population			District officials			Office address
		Inside cities and towns	Outside cities and towns	Total	President	Secretary	Manager or engineer	
Merced	Merced	10,000	10,000	20,000	D. K. Barnell	H. P. Sargent	L. W. Hesse	Drawer L-1, Merced
Modesto	Stanislaus	17,750	6,250	24,000	J. B. Fiscalini	C. S. Abbott	N. M. Cecil	Modesto
Mojave River	San Bernardino	----------	100	100	T. J. Thomas	J. S. Nation	W. E. Fussing	518 E. 10th Street, Upland
Montague	Siskiyou	500	230	730	G. W. Dwinnell	Roy E. Swigart	----------	Montague
Naglee-Burk	San Joaquin	----------	200	200	V. J. Reeve	George Wadsworth	----------	Roberts Building, Tracy
Nevada	Nevada, Placer	----------	5,000	5,000	J. A. Teagarden	Mrs. B. W. Baldwin	Wm. Durbrow	Grass Valley
Newport Heights	Orange	----------	----------	1,500	Geo. A. Waterman	C. R. Van Duyn	----------	Costa Mesa
Newport Mesa	Orange	300	----------	300	Chas. W. TeWinkle	D. J. Dodge	----------	Box 350, Costa Mesa
Oakdale	Stanislaus, San Joaquin	3,800	3,200	7,000	W. T. Kerr	T. S. Pendergrass	R. E. Hartley	Oakdale
Oroville-Wyandotte	Butte	200	600	800	Carelton Gray	W. J. Monro	R. C. Tyler	First National Bank Building, Oroville
Owens Valley	Inyo	1,500	1,000	2,500	B. E. Johnson	Dell Yandall	W. R. McCarthy	Bishop
Palmdale	Los Angeles	660	109	769	F. J. Ikeler	H. P. Schoeller	H. P. Schoeller	Palmdale
Palo Verde	Riverside	1,000	2,500	3,500	L. A. Hauser	W. G. Schollenberger	C. P. Mahoney	Box 38, Blythe
Paradise	Butte	----------	1,200	1,200	D. B. Barnes	H. S. Clewett	J. E. Alley	Paradise
Potter Valley	Mendocino	100	450	550	J. E. March	Fred L. Bosworth	----------	Potter Valley
Princeton-Codora-Glenn	Colusa, Glenn	----------	1,000	1,000	N. H. McAuslan	W. G. Poage	S. P. Pitt	Princeton
Provident	Glenn, Colusa	----------	50	50	A. E. Moutrey	L. M. Benoit	T. E. Balch	Willows
Ramona	San Diego	600	----------	600	Ralph Jasper	Mildred Wilson	J. C. Bargar	P. O. Box 34, Ramona
Red Rock Creek	Lassen	----------	----------	----------	John K. Knebas	----------	----------	Susanville
Richvale	Butte	122	100	222	J. E. Baker	Alvin L. Harry	Alvin L. Harry	Richvale
Riverdale	Fresno	----------	2,500	2,500	L. P. Adams	Tina Z. Cushman	----------	Riverdale
Round Valley	Inyo, Mono	----------	----------	----------	W. A. Roberts	Caroline Arcularius	----------	Bishop
San Dieguito	San Diego	800	1,600	2,400	Chas. H. Webster	G. E. Thrailkill	W. C. Brown	Encinitas
Santa Fe	San Diego	560	240	800	Ira E. Conner	W. O. Boettiger	W. O. Boettiger	Rancho Santa Fe
San Ysidro	San Diego	1,500	----------	1,500	O. W. Porter	L. Judd	----------	San Ysidro
Scott Valley	Siskiyou	----------	120	120	C. F. Bryan	H. G. Reynolds	----------	Fort Jones
Serrano	Orange	----------	470	470	Willard Smith	F. H. Collins	----------	R.F.D.1, Box 860, Orange
South Montebello	Los Angeles	850	----------	850	J. H. Dutcher	Mrs. Sarah F. Becker	W. S. Duncan	Rt. 1, Box 1110, Montebello
South San Joaquin	San Joaquin	3,500	10,000	13,500	F. E. Wolfe	S. L. Steele	George K. Parker	Manteca
Stinson	Fresno	----------	200	200	----------	R. M. Bostwick	W. F. Bryant	Burrel
Table Mountain	Butte	----------	7	7	R. W. Campbell	R. M. Gray	R. M. Gray	Oroville
Terra Bella	Tulare	300	500	800	R. C. Gunnison	E. H. Robinson	I. H. Althouse	Terra Bella
Thermalito	Butte	----------	1,400	1,400	M. Hodgson	Raymond A. Leonard	W. B. Taylor	Oroville
Tracy-Clover	San Joaquin	----------	150	150	Ole Keanderund	George Wadsworth	----------	Roberts Building, Tracy
Tranquillity	Fresno	125	175	300	J. A. Benkert	J. E. Tuttle	H. M. Crooker	Tranquillity
Tulare	Tulare	600	2,400	3,000	A. J. Damron	Glenn L. Moran	C. H. Slaughter	P. O. Box 477, Tulare
Tule	Lassen	20	100	120	----------	----------	----------	Susanville
Turlock	Stanislaus and Merced	10,000	20,000	30,000	J. R. Chance	Mrs. Anna Sorensen	R. V. Meikle	Turlock
Vandalia	Tulare	----------	137	137	Walter D. Emory	H. C. Pegram	I. H. Althouse	Box 1026, Porterville
Vista	San Diego	600	1,800	2,400	Geo. L. Gunn	W. O. Bissinger	Chas. N. Bell	Vista
Walnut	Los Angeles	----------	300	300	L. R. Paxton	Laura E. Paxton	----------	R.F.D. Box 670, Rivera
Waterford	Stanislaus	280	856	1,136	E. Whitney	C. W. Quinley	W. Lehmkuhl	Waterford
West Side	San Joaquin	408	1,448	1,456	M. B. Reece	Wylsay R. Hansen	----------	Tracy
West Stanislaus	Stanislaus, Merced	25	275	300	W. W. Cox	Elbridge Smith	W. F. Woolley	Westley
Woodbridge	San Joaquin	----------	200	200	W. J. Robinson, Jr.	Olla L. Strother	Frank Davis	Rt. 2, Box 67, Lodi
Totals, irrigation districts		118,550	218,001	339,232				
Buena Vista Water Storage	Kern	125	1,200	1,325	J. LeRoy Nickel, Jr.	J. E. Wooley	M. N. Krag	Buttonwillow
Tulare Lake Basin Water Storage	Kings	----------	25	25	Harry Lee Martin	Dan Hadsell	Ray May	Hanford
Totals, W. S. D.		125	1,225	1,350				

CHAPTER I

INTRODUCTION

The 1932 Irrigation Season

Following a seasonal precipitation approaching the annual average in most parts of the State and above the average in the southern part, there was a stream run-off affording generally an ample irrigation supply. Quite moderate temperatures prevailed during the spring and early summer, and unlike the previous season, there was no heat damaging to crops during the late summer. The maturing of fall crops was not interfered with by rain or frosts, but the most severe freeze of record occurred in December, resulting in great damage to citrus trees in some sections of the northern part of the State.

Farm Operations

Farm operations continued to be conducted at a loss. Market demands were curtailed and prices continued low, and as in the two previous years large quantities of many fruits were left unharvested and were a total loss. According to the records of Federal-State Cooperative reports, farm prices in 1932 averaged 57% less than the 1922-1929 average, although the prices of commodities which farmers buy declined only about 28% during the same period.

Irrigation District Finances

The low price for farm products continued to be reflected in an increase of delinquencies in district assessments. The result was an increase in the number of districts which were unable to meet all of their bond obligations. In 1931 twenty-eight districts were listed in default, which number was increased to thirty-seven in 1932. The total amount of bond principal due for the year ending January 1, 1933, was $2,034,000, of which $1,304,000 or about 60%, was paid. Bond interest due for the year amounted to approximately $5,363,000 of which $3,506,000, or about 65%, was paid. The total due and unpaid interest bearing obligations of districts, including defaulted bonds and coupons and registered warrants as of the year ending January 1st, 1933, was $7,441,000. This does not include bonds and warrants of three districts which had perfected refunding plans in 1932, which plans were not fully in effect at the beginning of 1933. For the assessment year ending in June 1932, delinquencies ranged from nothing to 100%, averaging about 34% of the total levy.

California Districts Securities Commission

Plans for the refunding or reorganization of the finances of six irrigation districts were approved by the commission, i.e., Imperial, Palmdale, Terra Bella, Waterford, Vista and Palo Verde; and validation orders were issued for refunding bonds of Nevada, Oakdale, Scott Valley and South San Joaquin irrigation districts.

A permit to sell bonds was issued by the commission to the La Mesa, Lemon Grove and Spring Valley irrigation district. Orders approving expenditures from the receipts from the sale of bonds were issued to Carpenter, Serrano and El Nido districts, and approval was given for expenditures by the Nevada district from the special reserve fund provided under the refunding plan of that district.

Contracts entered into by irrigation districts were approved as follows: Imperial, for the construction of the All-American Canal; Lindsay-Strathmore and Corcoran, for the purchase of water stock; Turlock, modification of power contract; and Vista, revision of water purchase contract and agreement with bondholders protective committee.

Petitions for aid under section 12 of the securities commission act were received from 19 districts, and the commission was active in investigations in connection with the affairs of such districts, and prepared reports on many of them for the information of bondholders committees.

New Legislation

There were some seventy bills introduced in the fiftieth session of the California Legislature directly affecting irrigation districts. On the following pages is a brief recital of the provisions of some of the most important of those passed. The three bills for which chapter numbers are not shown have not at this writing been signed by the Governor, but have been submitted for his approval.

Senate Bills:

No. 9. Chapter 630. Urgency measure. Reduces penalty on delinquent assessments payable in one installment from 10% to 5%, and on assessments payable in two installments from 10% to 5% on the second installment only.

No. 65. Urgency measure. Provides when land has been sold to an irrigation district prior to April 1, 1933, for delinquent assessments and the district still holds the certificate of sale, the land owner may redeem the same by the payment of delinquent assessments in four equal annual installments plus 7% interest on all unpaid assessments from date of sale to date of redemption, and no other amount shall be required to be paid for such redemptions. The act does not affect taxes accruing after April 1, 1933.

No. 411. Amends the Political Code relating to lands sold or deeded to the State for taxes, and provides for giving contracts to sell or to give options on tax-deeded lands to public agencies, and authorizes such agencies to sell or agree to sell to one another their interest in property deeded to them for delinquent taxes or assessments.

No. 1036. Chapter 273. Sets up the procedure whereby land owners in any irrigation district may, through the superior court, release the proportionate bonded indebtedness of their lands from such obligations.

Assembly Bills:

No. 241. Urgency measure. An act relating to the refunding of irrigation and reclamation district bonds and making State aid available therefor, and authorizing the issuance and sale of State bonds to provide funds for such refunding or refinancing.

No. 258. Chapter 60. Urgency measure. Repeals Section 11 of the California Districts Securities Commission act and adds a new Section 11 which provides that when a district has defaulted to the extent of 20% of its bond obligations due, it shall come under the control of the securities commission to the extent that it may modify its assessments to an amount the board of directors decide the land has the ability to pay, providing that the assessments so modified are approved by the commission.

Assembly Bills:

No. 305. Chapter 86. Provides that when there is insufficient money in the bond and bond interest funds to pay any matured bonds or matured interest coupons the same may be used to pay assessments on the land of the holder of such bonds and coupons. Credit to be applied to bond service assessments only.

No. 330. Chapter 447. Provides that in case the Fish and Game Commission orders the installation of fish screens by a district, the commission shall pay one-half of the cost to the district of the installation of such fish screens.

No. 501. Chapter 113. Amends Section 19a of the irrigation district act relative to bonds of officials and fixes the maximum bond of the Collector at $20,000 and the minimum at $5,000; also the maximum amount of the Treasurer's bond at $100,000 and the minimum at $5,000.

No. 655. Chapter 434. Urgency measure. Authorizes the board of directors of any irrigation district to regulate the amount of water in use within the district when the seepage from such use would damage adjacent lands; or the directors may, as a precedent to the use of water on any crop which may damage adjacent land by seepage, require the construction of adequate drainage facilities.

No. 1192. Chapter 448. Urgency measure. This is an act providing for an in rem court proceeding for the purpose of determining the inability of an irrigation district to meet its bond or other indebtedness and to approve a plan for the compromise payment or refunding of such indebtedness, and making the decree of the court binding on all persons interested when the holders of two-thirds of the bonds, warrants, or other evidences of the indebtedness of the district and the directors of the district have agreed on a compromise plan, the same having been approved by the districts securities commission.

No. 1210. Chapter 266. Provides that before an action or proceeding by holders of bonds of an irrigation district to compel, enforce, prohibit or restrain the district from doing an act may be instituted, the holders of 10% or more of the outstanding and unpaid bonds of the district must join in the proposed action.

No. 1434. Chapter 514. Relates to warrants of irrigation districts and provides for extensions of time for payment of warrants and for agreements for payments of a portion thereof from time to time or at a fixed time, and authorizes the allocation of specific funds for such payments.

Irrigation District Association

Two meetings of the association were held in 1932, one at Fresno May 12 and 13 and another at Modesto December 2 and 3. At both gatherings the irrigation districts of the State were well represented.

The meetings were devoted largely to a discussion of the financial difficulties in which irrigationists and farmers in general were involved and a consideration of such legislation as might tend to relieve the situation. The various proposals discussed for refinancing irrigation districts finally crystallized into the measures before the fiftieth session of the legislature known as Senate constitutional amendment No. 6 and Assembly bill No. 241, through which irrigation and reclamation districts can secure State credit in refunding their bonds.

Organization of Districts

No districts were organized in 1932 and none were dissolved. A petition proposing the organization of a district was received by the Supervisors of Riverside County and referred to the State Engineer for report. The project was disapproved as infeasible and an election on organization was not called. There has been but one other year since 1912 when no new districts were formed under the California irrigation district act.

Irrigation District Association

Two meetings of the association were held in 1934, one on March 30, 1934 and another on October 2 and 3. At both meetings the irrigation districts of the State were well represented.

The meetings were devoted largely to a discussion of the financial difficulties in which irrigationists are involved in consequence of the depression and the resulting inability of many irrigation districts to collect water rentals. The public investment financed for rehabilitating irrigation districts thus crystallized into the question of the future status of the institution known as the irrigation district. A bill was introduced in the Legislature to amend the Irrigation District Act, which would in monetary terms needs.

Conservation Districts

In districts were formulated in [illegible] which were distributed. A special committee [illegible] of a district was [illegible] of the supervisors of districts [illegible] referred to the State Reclamation for report. [illegible] recommended [illegible] the formation of districts. [illegible] There [illegible] under [illegible] the work [illegible]

CHAPTER II

STATISTICAL INFORMATION

Following this chapter is a group of tables summarizing information of California irrigation districts as of January 1, 1933. A brief discussion of the contents of these tables and a summary of financial activities of irrigation districts in 1932 follows:

Source of Supply, Storage and Distribution of Water

In Table I are shown the sources of water supply for the districts, capacities of reservoirs, water stored for the season of 1932, water diverted by gravity and by district pumps and the distribution of water diverted; number of wells installed and equipped and number of horsepower installed for pumping by districts; also number of private irrigation wells in districts. There are 24 major reservoirs in use with a total capacity of 1,532,000 acre-feet. Water stored amounted to 1,022,000 acre-feet or two-thirds of the total capacity of the reservoirs, whereas in 1931 storage was but one-fifth of such capacity. Diversions reported are 6,492,174 acre-feet by gravity, 634,000 acre-feet pumped from streams and 296,098 acre-feet pumped from wells. The total is 7,422,272 acre-feet, an increase of 1,728,000 acre-feet over that reported diverted in 1931. The districts operated 305 irrigation wells and 253 drainage wells, and for all pumping operations reported an installation of 39,835

horsepower. To supplement the water supply furnished by the districts, land owners were reported as operating 12,702 private irrigation wells, for which no information is available as to the quantity of water diverted, but the amount so diverted was greatly less than for the previous year, due to a large increase in the quantity of water available for direct diversion from streams.

Irrigation District Crop Summary

Table II is a summary of the gross and irrigable areas of 85 districts, and shows the irrigated and cropped acreage reported for 1932. The table also shows the number of individual holdings in each district and the area held under tax deeds by the district on January 1, 1933. The 85 districts contain 3,368,294 acres, of which 2,844,169 are irrigable. The total number of holdings is 88,874 of which it is estimated 56,000 are farm holdings with a population of 225,000. The area held by districts under tax deed increased from 145,744 acres on January 1, 1932, to 181,622 acres on January 1, 1933. The percentage of the total area of the districts held under tax deeds in January, 1932, was 4.7 and on January 1, 1933, 5.5. Of the farm land in 85 districts, 1,906,465 acres were cropped, and of the cropped land 1,719,289 acres were irrigated. Sixty per cent of the irrigable area was irrigated. There was a decrease of 15,635 acres in the area irrigated as compared to that reported in 1931.

Assessments, Water Tolls and Other Revenues

Table III sets up the principal sources and amount of income of 85 California irrigation districts. The table indicates that the total assessment levies of these districts for the calender year 1932, computed as one-half of the sum of the levies for 1932 and 1933, was $8,281,860. Add to this the water tolls and other revenues collected, amounting to $4,564,134, and the result is a grand total of estimated revenues for the year of $12,845,994. It is estimated that the total earned revenues collected in 1932 amounted to approximately $10,300,000, the uncollected balance being mostly delinquent assessments. (The bond obligations alone for the year were approximately $7,400,000). It will be noted that the assessment levied for 1933 was $3,000,000 less than that for 1932. The average delinquency of the 1932 assessment, at the date of tax sale, was 34 per cent. In 1931 it was 23.2 per cent, in 1930, 20.5 per cent, and in 1929, 15.7 per cent.

Bonds and Warrants

Table IV sets forth the status as of January 1, 1933, of all bonds of districts operating under the California irrigation district act, which had bonds outstanding on July 1, 1932; showing the amount voted, cancelled, sold, refunded, paid and outstanding, as well as the amount of bond principal and interest in default. In addition, the last column shows the amount of interest-bearing warrants outstanding.

Bond Summary

Following is a summary of information as of January 1, 1933, of all irrigation districts which had bonds outstanding on July 1, 1932:

Total issues voted, including refunding		$ 130,268,737
Disposition of bonds		
Original issues:		
Sold	$ 103,619,927	
Unsold	5,320,723	
Cancelled	1,686,726	
		$ 110,627,376
Refunding issues:		
Exchanged	$ 12,221,000	
Not exchanged or sold	7,420,361	
		$ 19,641,361
Status of Bonds January 2, 1933		
Outstanding, not due		$ 92,770,266
Outstanding and in default		1,454,575
Paid		9,395,086
Interest coupons in default		4,301,925
Number of districts having bonds outstanding ...		74
Number of districts in default		37

The following irrigation districts completed the payment of all of their bond issues during the year:

	Total issues	Date of final maturity
Fresno	$ 2,000,000	January 1, 1932
Laguna	265,000	July 1, 1932
Consolidated	850,000	January 1, 1933

Bonds Voted in 1932

Refunding bonds were voted by the following irrigation districts:

Palmdale	$441,000
Terra Bella	409,000
Waterford	631,925

Recommended for Certification

The Districts Securities Commission recommended for certification the following irrigation district refunding bonds:

Nevada	$ 8,100,000
Oakdale	2,320,000
South San Joaquin	4,791,000

Bond Sales Approved

La Mesa, Lemon Grove and Spring Valley	$ 500,000

Expenditures Approved from Bonds

The irrigation district and securities commission act provides for the approval by the commission of all expenditures from the sale of bonds. Such proposed expenditures by irrigation districts in 1932, are represented by the following approvals:

Serrano	$ 33,452
Carpenter	32,789
El Nido	28,800
Nevada (bond reserve fund)	44,143
	$ 139,184

Year Formed, Area and Outstanding Bonds per Acre

In Table V are listed ninety irrigation districts. Seventy-four of these districts have bonds outstanding, the total amounts and per acre obligations of which are shown for each district. These figures as applied to the acres in the districts are a general average only, and they are not therefore necessarily a measure of the bond principal and interest payments required for any particular acre or parcel of land, as this requirement varies with the assessed valuation, which in most districts is not the same for all of the included lands.

TABLES OF STATISTICAL DATA

TABLE I

DATA RELATING TO SOURCE OF SUPPLY, STORAGE AND DISTRIBUTION OF WATER FOR CALIFORNIA IRRIGATION DISTRICTS

Name of district	Source of water supply	Wells				District		Reservoirs		Acre-feet diverted by districts, 1932			Distribution of water diverted by districts			
		District			Private	Installed horse power	Average pump lift feet	Capacity acre-feet	Stored for season acre-feet	By pump	By gravity	Total	Inside district			Outside district acre-feet
		Irrigation	Drainage	Total									Irrigation acre-feet	Domestic acre-feet	Total acre-feet	
Alpaugh	Wells	22		22		685	65			12,000		12,000	5,650	350	6,000	6,000
Alta	Kings River				2,094						254,653	254,653	254,653		254,653	
Anderson-Cottonwood	Sacramento River					15	12			409	129,791	130,200	129,791		129,791	409
Banta-Carbona	San Joaquin River					4,350	112			36,518		36,518	18,246		18,246	4,881
Bard	Colorado River (part of Yuma project)										30,000	30,000	30,000		30,000	
Baxter Creek	Eagle Lake							200,000	100,000							
Beaumont	Creeks and Wells	8		8	1	405	133	4	4			2,941	2,727	214	2,941	
Big Springs	Big Springs					325	81			7,425		7,425	7,425		7,425	
Browns Valley	North Fork Yuba River										16,992	16,992	16,992		16,992	
Butte Valley	Butte & Antelope Creeks and Wells	6		6	1	175	40	14,000		3,200	100	3,300	3,300		3,300	
Byron-Bethany	Old River (San Joaquin River)					800	44			11,153		11,153	11,153		11,153	
Camp Far West	Bear River							5,000	5,000		5,000	5,000	5,000		5,000	
Carmichael	American River					450	138			3,940		3,940	3,940		3,940	
Carpenter	Santiago Creek and Wells				3			2,500			1,745	1,745	1,745		1,745	
Citrus Heights	American River, North Fork Ditch Company										4,956	4,956	4,956		4,956	
Compton-Delevan	Sacramento River (from Glenn-Colusa Dist.)												15,163		15,163	
Consolidated	Kings River				3,600						245,000	245,000	240,600		240,600	4,400
Corcoran	Kings River, Peoples Ditch and Wells	25		25	186	668	70			12,795	27,314	40,109	40,109		40,109	
Cordua	Yuba River										18,000	18,000	18,000		18,000	
Deer Creek	Deer Creek										Est. 3,000	3,000	3,000		3,000	
East Contra Costa	Old River (San Joaquin River)		3	3	5	2,800	87			19,592		19,592	19,592		19,592	
El Camino	Wells	28		28		820	64			3,932		3,932	3,932		3,932	
El Dorado	So. Fk. American River & Webber Creek				2			1,275	1,275		12,659	12,659	9,400	3,168	12,568	91
El Nido	Merced Irrigation District and Wells				70	1,225	60				17,334	17,334	13,334		13,334	
Empire West Side	Kings River and Wells				6						3,028	3,028	3,028		3,028	
Fairoaks	North Fork Ditch Company										6,000	6,000	5,825	175	6,000	
Foothill	Wells				200											
Fresno	Kings River and Wells	7		7	3,389	210	45				531,998	531,998	531,998		531,998	
Glenn-Colusa	Sacramento River					3,200	7			452,978		452,978	329,087		329,087	123,891
Grenada	Shasta River					650	94			5,486		5,486	5,486		5,486	
Hot Spring Valley	Pit River and Big Sage Reservoir							76,000	24,300		10,500	10,500	10,500		10,500	
Imperial	Colorado River										2,562,171	2,562,171	1,124,849	9,213	1,134,062	217,534
Island No. 3	Kings River				175						4,400	4,400	4,400		4,400	
Jacinto	Sacramento River					300	7			12,560		12,560	12,410		12,410	150
James	Kings, San Joaquin Rivers and Wells	61		61		1,210	43			25,736	8,982	34,718	29,240		29,240	1,443
La Canada	Canyons and Wells	2		2	1	390	800	10		225	175	400			400	
Ladera	Wells				6											
Laguna	Kings River				327						90,431	90,431	90,431		90,431	
Lakeland	Kings and Tule Rivers				3						23,703	23,703	23,703		23,703	
Lakeside	Wells	1		1		40	140			70		70			70	
La Mesa, Lemon Grove & S. V.	San Diego River, Boulder Cr. and Wells	12		12		700	350	18,033	10,519	98	6,930	7,028	7,028		7,028	
Linden	Wells				200											
Lindsay-Strathmore	Wachumne River and Wells	39		39	185	3,985	288	20		10,432	5,000	15,432	15,230	202	15,432	
Little Rock Creek	Little Rock Creek				5			3,000	3,000		3,960	3,960	3,960		3,960	
Madera					1,750											
Merced	Merced River and Wells		87	87	300	1,914	32	289,000	265,000	81,154	517,050	598,204	598,204		598,204	
Modesto	Tuolumne River and Wells		66	66	127	975	31	118,466	52,294	43,145	359,756	402,901	402,901		402,901	
Montague	Shasta River							70,000	4,500		1,000	1,000	1,000		1,000	
Naglee-Burke	Old River (San Joaquin River)					275	15			5,993		5,993	5,993		5,993	
Nevada	Yuba River							80,000	80,000		65,486	65,486	59,426	1,060	60,486	5,000

TABLE I

DATA RELATING TO SOURCE OF SUPPLY, STORAGE AND DISTRIBUTION OF WATER FOR CALIFORNIA IRRIGATION DISTRICTS (continued)

Name of district	Source of water supply	Wells				District		Reservoirs		Acre-feet diverted by districts, 1932			Distribution of water diverted by districts			
		District			Private	Installed horse power	Average pump lift feet	Capacity acre-feet	Stored for season acre-feet	By pump	By gravity	Total	Inside district			Outside district acre-feet
		Irrigation	Drainage	Total									Irrigation acre-feet	Domestic acre-feet	Total acre-feet	
Newport Heights	Wells	2	--------	2	--------	130	60	2	----------	603	----------	603	----------	603	603	----------
Newport Mesa	Wells	1	--------	1	--------	75	160	5	----------	500	----------	500	760	----------	500	----------
Oakdale	Stanislaus River	--------	--------	--------	--------	--------	--------	56,250	56,280	--------	190,790	190,790	190,790	----------	190,790	----------
Oroville-Wyandotte	Feather River	--------	--------	--------	--------	--------	--------	6,300	6,300	--------	17,414	17,414	17,414	----------	17,414	----------
Palmdale	Little Rock Creek and Wells	1	--------	1	--------	125	200	7,000	7,000	141	5,820	5,961	5,820	141	5,961	----------
Palo Verde	Colorado River	--------	--------	--------	--------	--------	--------	----------	----------	--------	162,742	162,742	162,742	----------	162,742	----------
Paradise	Little Butte Creek and Storage	--------	--------	--------	--------	--------	--------	3,012	3,012	--------	3,355	3,355	3,355	----------	3,355	----------
Potter Valley	Eel River (from P. G. & E. Co.)	--------	--------	--------	--------	--------	--------	----------	----------	--------	2,053	2,053	2,053	----------	2,053	----------
Princeton-Codora-Glenn	Sacramento River (and purchased)	--------	--------	--------	--------	1,100	22	----------	----------	8,257	----------	8,257	64,092	----------	64,092	----------
Provident	Sacramento River (and purchased)	--------	--------	--------	--------	--------	20	----------	----------	6,893	----------	6,893	49,933	----------	49,933	9,361
Ramona	Wells	15	--------	15	--------	35	165	1	----------	100	----------	100	50	50	100	----------
Richvale	Feather River	--------	--------	--------	--------	--------	--------	----------	----------	--------	70,073	70,073	70,073	----------	70,073	----------
Riverdale	Kings River	--------	--------	--------	60	--------	--------	----------	----------	--------	29,219	29,219	29,219	----------	29,219	----------
San Dieguito	Lake Hodges Reservoir (water purchased)	--------	--------	--------	--------	--------	--------	37,500	----------	--------	2,070	2,070	1,888	182	2,070	----------
Santa Fe	Lake Hodges Reservoir (water purchased)	--------	--------	--------	--------	226	60	----------	----------	739	1,404	2,143	2,025	118	2,143	----------
San Ysidro	Wells	5	--------	5	--------	50	220	2	----------	380	----------	380	----------	380	380	----------
Serrano	Santiago Creek and Wells	--------	--------	--------	--------	--------	--------	2,500	----------	--------	2,293	2,293	2,293	----------	2,293	----------
South Montebello	Wells	--------	--------	--------	--------	--------	175	----------	----------	1,102	----------	1,102	700	402	1,102	----------
South San Joaquin	Stanislaus River	--------	--------	--------	--------	--------	--------	87,000	87,000	--------	267,000	267,000	267,000	----------	267,000	----------
Stinson	Kings River and wells	23	--------	23	--------	732	56	----------	----------	5,822	----------	5,822	5,822	----------	5,822	----------
Table Mountain	Feather River	--------	--------	--------	1	30	60	4,510	4,510	--------	4,000	4,000	4,000	----------	4,000	----------
Terra Bella	Wells	33	--------	33	4	1,320	402	----------	----------	3,954	----------	3,954	3,814	140	3,954	----------
Thermalito	Feather River	--------	--------	--------	--------	--------	--------	3,690	3,690	--------	5,750	5,750	5,750	----------	5,750	----------
Tracy-Clover	Old River (San Joaquin River)	--------	--------	--------	--------	125	38	----------	----------	1,456	----------	1,456	1,456	----------	1,456	----------
Tranquillity	San Joaquin River	--------	--------	--------	3	430	8	----------	----------	10,000	11,470	21,470	21,470	----------	21,470	----------
Tulare	Kaweah River and Wells	--------	--------	--------	11	--------	--------	----------	----------	--------	54,200	54,200	54,200	----------	54,200	----------
Turlock	Tuolumne River and Wells	--------	97	97	12	2,000	40	246,000	228,000	90,804	570,049	660,853	570,049	----------	570,049	----------
Vandalia	Tule River and Wells	11	--------	11	28	350	240	----------	----------	1,738	----------	1,738	1,693	45	1,738	----------
Vista	Lake Henshaw (water purchased)	--------	--------	--------	--------	--------	--------	200,000	80,000	--------	7,633	7,633	7,065	568	7,633	----------
Walnut	San Gabriel River and Wells	3	--------	3	--------	125	40	----------	----------	1,840	----------	1,840	1,840	----------	1,840	----------
Waterford	Tuolumne River	--------	--------	--------	--------	15	15	----------	----------	--------	32,830	32,830	32,830	----------	32,830	----------
Westside	San Joaquin River	--------	--------	--------	--------	1,900	83	----------	----------	11,884	----------	11,884	11,884	----------	11,884	----------
West Stanislaus	San Joaquin River	--------	--------	--------	--------	4,500	112	----------	----------	34,513	----------	34,513	34,513	----------	34,513	----------
Woodbridge	Mokelumne River	--------	--------	--------	7	--------	--------	800	----------	--------	86,300	86,300	86,300	----------	86,300	----------
Totals		305	253	558	12,702	39,835	4,934	1,531,880	1,021,684	930,097	6,492,175	7,422,272	5,836,300	17,011	5,853,311	373,180
Buena Vista Water Storage	Kern River	--------	--------	--------	95	--------	--------	209,000	----------	--------	202,663	202,663	116,107	----------	116,107	----------

TABLE II

CALIFORNIA IRRIGATION DISTRICT CROP SUMMARY FOR 1932

Name of district	Gross area, acres	Irrigable area, acres	Area held by districts under tax deed, acres	Estimated number of holdings			Kind and acreage of crops reported										Area cropped		
				Farm land	Town lots	Total	Alfalfa	Grain and grain hay	Field and truck	Cotton	Rice	Vines	Deciduous fruits nuts and olives	Citrus	Avocados	Not segregated	Dry farmed acres	Irrigated acres	Total acres reported cropped
Alpaugh	8,133	8,132	2,458	300	--------	300	540	950	250	800	--------	--------	--------	--------	--------	800	--------	3,340	3,340
Alta	129,300	110,000	None	2,500	1,700	4,200	7,680	185	1,065	1,870	--------	48,555	8,830	930	--------	4,781	--------	69,115	69,115
Anderson-Cottonwood	32,000	28,064	2,628	360	390	750	3,532	3,000	1,754	--------	--------	189	1,663	--------	--------	2,021	--------	12,159	12,159
Banta-Carbona	15,653	15,194	91	167	--------	167	3,029	2,075	8,119	--------	--------	69	488	--------	--------	123	--------	13,903	13,903
Bard	7,000	6,000	None	175	--------	175	2,914	215	1,090	938	--------	--------	--------	30	--------	327	--------	5,514	5,514
Beaumont	4,141	3,161	160	390	1,861	2,251	--------	--------	--------	--------	--------	--------	1,885	--------	--------	--------	160	1,885	2,045
Big Springs	3,615	2,550	None	35	--------	35	2,300	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	2,300	2,300
Browns Valley	40,000	11,740	None	250	17	267	2,000	500	50	--------	--------	400	800	380	--------	2,870	--------	7,000	7,000
Butte Valley	28,686	17,500	10,750	90	50	140	--------	--------	--------	--------	--------	--------	--------	--------	--------	3,209	1,000	3,200	4,200
Byron-Bethany	17,200	12,544	None	180	30	210	6,852	500	468	--------	--------	100	200	--------	--------	30	1,926	8,150	10,076
Camp Far West	4,089	2,658	None	5	--------	5	--------	420	625	--------	--------	140	745	--------	--------	--------	250	1,930	2,180
Carmichael	3,138	3,038	None	220	--------	220	--------	--------	--------	--------	--------	200	1,500	250	--------	257	--------	2,207	2,207
Carpenter	1,328	1,320	None	106	155	261	--------	--------	46	--------	--------	--------	--------	1,010	--------	142	10	1,198	1,208
Citrus Heights	3,162	3,070	76	315	--------	315	--------	--------	--------	--------	--------	285	2,237	130	--------	--------	--------	2,652	2,652
Compton-Delevan	12,652	11,500	2,780	11	--------	11	90	2,500	--------	--------	1,919	--------	--------	--------	--------	--------	--------	4,509	4,509
Consolidated	149,047	145,757	None	4,600	--------	4,600	13,826	9,780	830	6,148	--------	80,313	16,317	50	--------	--------	1,943	125,321	127,264
Corcoran	51,606	51,000	640	280	--------	280	3,809	16,725	585	12,022	--------	--------	--------	--------	--------	--------	--------	33,141	33,141
Cordua	5,461	5,421	1,020	49	--------	49	--------	--------	--------	--------	1,500	--------	--------	--------	--------	400	--------	1,900	1,900
Deer Creek	1,900	1,663	None	17	--------	17	200	600	325	--------	--------	10	455	--------	--------	210	--------	1,800	1,800
East Contra Costa	20,200	19,760	1,530	360	120	480	1,480	369	2,581	--------	--------	1,002	5,183	--------	--------	--------	--------	10,615	10,615
El Camino	7,549	7,549	40	272	--------	272	700	--------	--------	--------	--------	60	600	--------	--------	540	2,000	1,900	3,900
El Dorado	30,000	19,905	None	462	606	1,068	--------	--------	--------	--------	--------	--------	4,300	--------	--------	--------	--------	4,300	4,300
El Nido	9,330	7,405	None	100	--------	100	2,000	--------	134	--------	--------	51	65	--------	--------	--------	850	2,256	3,100
Empire West Side	7,110	6,400	None	49	--------	49	175	550	--------	--------	--------	--------	--------	--------	--------	1,500	--------	2,225	2,225
Fairoaks	3,900	3,400	3	291	155	446	12	--------	10	--------	--------	50	1,100	1,000	--------	500	--------	2,650	2,650
Fallbrook	10,217	10,200	None	343	--------	343	--------	--------	--------	--------	--------	--------	--------	1,000	400	--------	--------	1,400	1,400
Foothill	55,875	43,500	None	1,050	152	1,202	--------	20,000	200	40	--------	1,000	3,250	4,000	10	5,612	25,612	8,500	34,112
Fresno	243,100	239,080	None	9,036	--------	9,036	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	190,000	190,000 est
Glenn-Colusa	122,032	119,021	14,634	455	--------	455	12,039	20,975	2,065	--------	19,875	112	1,083	--------	--------	6,702	54,970	62,851	117,821
Grenada	2,148	1,800	1,013	22	19	41	1,150	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	1,150	1,150
Hot Spring Valley	9,497	9,000	--------	28	--------	28	421	38	18	--------	--------	--------	--------	--------	--------	3,017	--------	3,494	3,494
Imperial	612,200	521,600	21,150	4,650	6,280	10,930	--------	--------	Information not obtained for 1932								--(1931)--	436,450	436,450
Island No. 3	4,620	4,120	None	150	--------	150	--------	--------	--------	--------	--------	--------	--------	--------	--------	3,720	--------	3,720	3,720
Jacinto	11,554	11,496	1,060	168	--------	168	1,638	4,185	531	--------	--------	--------	841	--------	--------	1,079	4,470	3,804	8,274
James	26,266	18,266	25,848	17	--------	17	2,000	5,620	372	2,175	--------	30	--------	--------	--------	250	--------	10,447	10,447
La Canada	1,296	1,239	None	--------	--------	558	--------	--------	--------	--------	--------	--------	--------	--------	--------	800	--------	800	800
Ladera	1,632	1,481	70	--------	--------	370	20	63	15	--------	--------	28	226	57	--------	12	545	130	675
Laguna	34,858	30,000	568	800	--------	800	10,000	5,000	--------	--------	--------	500	3,000	--------	--------	6,500	--------	25,000	25,000
Lakeland	23,283	23,283	1,080	24	--------	24	--------	--------	--------	--------	--------	--------	--------	--------	--------	8,000	--------	8,000	8,000
Lakeside	320	288	None	--------	--------	90	--------	--------	--------	--------	--------	--------	--------	--------	--------	41	--------	41	41
La Mesa, Lemon Grove and Spring Valley	19,245	13,550	--------	1,100	5,700	6,800	--------	--------	692	--------	--------	--------	25	1,420	725	570	--------	3,432	3,432
Linden	13,700	13,000	None	310	36	346	300	--------	600	--------	--------	250	6,080	--------	--------	13	6,400	7,243	13,643
Lindsay-Strathmore	15,246	14,540	4,191	450	--------	450	--------	--------	200	--------	--------	400	700	7,200	--------	500	5,000	9,500	14,500
Little Rock Creek	3,073	2,877	--------	119	6	125	--------	--------	--------	--------	--------	--------	1,200	--------	--------	--------	--------	1,200	1,200
Madera	174,679	170,000	None	2,013	2,138	4,141	7,874	--------	1,114	12,555	--------	17,819	5,238	2	--------	155	--------	44,757	44,757

TABLE II

CALIFORNIA IRRIGATION DISTRICT CROP SUMMARY FOR 1932 (continued)

Name of district	Gross area, acres	Irrigable area, acres	Area held by districts under tax deed, acres	Estimated number of holdings			Kind and acreage of crops reported										Area cropped		
				Farm land	Town lots	Total	Alfalfa	Grain and grain hay	Field and truck	Cotton	Rice	Vines	Deciduous fruits nuts and olives	Citrus	Avocados	Not segregated	Dry farmed acres	Irrigated acres	Total acres reported cropped
Merced	190,000	170,000	10,492	2,334	2,148	4,482	18,600	33,986	14,315	2,283	5,685	15,344	25,404	10	--------	7,678	11,217	123,305	134,522
Modesto	81,203	78,778	None	2,576	--------	2,576	19,420	15,704	6,936	--------	1,156	9,658	10,080	--------	--------	4,287	6,271	67,141	73,412
Montague	26,117	18,531	4,730	103	237	340	650	650	--------	--------	--------	--------	--------	--------	--------	--------	--------	1,300	1,300
Naglee-Burk	2,871	2,846	403	53	--------	53	1,098	190	39	--------	--------	20	--------	--------	--------	633	--------	1,980	1,980
Nevada	266,000	164,000	703	1,865	--------	1,865	774	--------	749	--------	--------	4	996	--------	--------	6,507	--------	9,000	9,000
Newport Heights	1,503	1,503	None	401	1,085	1,486	15	20	355	--------	--------	1	15	40	1	--------	--------	447	447
Newport Mesa	694	400	None	--------	206	206	--------	--------	400	--------	--------	--------	--------	--------	--------	--------	--------	400	400
Oakdale	74,300	64,000	4,088	1,800	1,048	2,848	3,174	2,045	2,333	109	2,813	2,145	4,054	--------	--------	6,076	18,449	22,749	41,198
Oroville-Wyandotte	24,100	22,300	--------	617	105	722	--------	--------	400	--------	--------	15	1,286	1,394	25	35	--------	3,155	3,155
Palmdale	4,746	4,698	3,335	96	118	214	46	--------	--------	--------	--------	20	338	--------	--------	104	--------	508	508
Palo Verde	88,693	70,000	37,000	500	300	800	11,175	2,409	1,199	5,309	--------	--------	--------	--------	--------	1,609	--------	21,701	21,701
Paradise	11,260	9,836	2,667	530	134	664	--------	10	76	--------	--------	80	907	--------	--------	10	--------	1,083	1,083
Potter Valley	5,042	4,195	None	105	--------	105	--------	--------	--------	--------	--------	--------	800	--------	--------	1,700	--------	2,500	2,500
Princeton-Codora-Glenn	13,656	12,290	4,000	150	--------	150	542	--------	--------	--------	2,941	--------	1,064	--------	--------	1,120	--------	5,667	5,667
Provident	22,805	21,000	8,168	10	--------	10	--------	--------	--------	--------	6,100	--------	--------	--------	--------	--------	--------	6,100	6,100
Ramona	660	594	None	--------	230	230	--------	--------	20	--------	--------	--------	--------	--------	--------	--------	--------	20	20
Richvale	17,170	14,600	None	94	133	227	--------	--------	--------	--------	7,296	--------	--------	--------	--------	--------	--------	7,296	7,296
Riverdale	15,830	14,800	40	210	--------	210	5,000	5,000	3,000	--------	--------	--------	--------	--------	--------	2,200	7,200	8,000	15,200
San Dieguito	3,900	3,700	None	1,200	500	1,700	--------	--------	200	--------	--------	--------	--------	--------	900	1,100	--------	2,200	2,200
Santa Fe	10,106	6,980	None	325	434	759	100	--------	250	--------	--------	--------	160	1,700	700	100	--------	3,010	3,010
San Ysidro	500	490	20	--------	350	350	--------	--------	--------	--------	--------	--------	--------	--------	--------	110	--------	110	110
Scott Valley	5,125	4,000	None	28	--------	28	2,000	2,000	--------	--------	--------	--------	--------	--------	--------	--------	1,000	4,000	5,000
Serrano	1,499	1,319	None	140	--------	140	--------	--------	30	--------	--------	--------	60	1,172	46	--------	--------	1,308	1,308
South Montebello	827	827	None	--------	300	300	--------	--------	--------	--------	--------	--------	--------	--------	--------	700	--------	700	700
South San Joaquin	71,112	66,465	800	1,900	800	2,700	20,243	10,212	4,212	35	15	9,679	3,879	--------	--------	7,022	11,931	55,279	67,210
Stinson	11,150	11,000	6,100	--------	--------	--------	--------	2,087	--------	1,400	--------	--------	--------	--------	--------	--------	--------	3,487	3,487
Table Mountain	1,955	1,780	--------	19	--------	19	--------	--------	--------	--------	300	--------	--------	--------	--------	--------	--------	300	300
Terra Bella	12,285	12,070	3,050	715	725	1,440	--------	--------	--------	--------	--------	65	432	1,873	--------	30	--------	2,400	2,400
Thermalito	3,110	2,940	329	--------	--------	450	10	--------	75	--------	--------	145	600	640	2	500	--------	1,982	1,982
Tracy-Clover	1,084	1,034	83	80	--------	80	410	100	10	--------	--------	5	--------	--------	--------	40	--------	565	565
Tranquillity	10,750	10,190	2,190	154	93	247	300	5,100	200	400	--------	--------	--------	--------	--------	300	--------	6,300	6,300
Tulare	34,000	30,600	None	545	43	588	6,795	--------	1,242	3,085	--------	1,585	2,675	--------	--------	3,160	--------	18,542	18,542
Turlock	181,556	179,278	1,114	5,000	2,500	7,500	41,729	32,535	36,342	--------	--------	12,737	8,895	--------	--------	8,496	20,000	140,734	160,734
Vandalia	1,276	1, 253	67	42	--------	42	--------	--------	--------	--------	--------	--------	--------	1,125	--------	--------	--------	1,125	1,125
Vista	18,206	14,654	363	--------	--------	1,519	25	--------	593	--------	--------	39	169	1,975	3,446	277	--------	6,524	6,524
Walnut	911	911	None	69	--------	69	--------	--------	--------	--------	--------	--------	--------	861	--------	50	--------	911	911
Waterford	14,110	11,424	20	239	84	323	1,255	67	659	12	--------	633	1,660	--------	--------	1,096	--------	5,382	5,382
West Side	11,828	11,811	80	135	294	429	5,426	5,113	1,088	--------	--------	250	--------	--------	--------	--------	5,537	6,240	11,777
West Stanislaus	22,137	22,000	None	93	14	107	2,270	13,315	4,265	--------	--------	--------	240	--------	--------	--------	435	19,655	20,090
Williams	9,009	8,000		Included with Glenn-Colusa Irrigation District															
Woodbridge	14,167	14,000	None	154	--------	154	1,734	748	1,594	--------	--------	2,369	846	--------	--------	1,809	--------	9,100	9,100
Totals	3,268,294	2,844,169	181,622	54,601	31,296	88,874	229,372	225,541	104,221	49,181	49,600	206,367	132,571	28,249	6,255	111,421	187,176	1,719,289	1,906,465
Buena Vista Water Storage District	78,596	50,400	None	80	30	110	2,150	16,500	6,800	3,967	--------	--------	--------	--------	--------	800	--------	30,217	30,217

TABLE III

SUMMARY OF ASSESSMENTS LEVIED, TAX CERTIFICATES SOLD AND REVENUES RECEIVED FROM WATER TOLLS AND FROM SOURCES OTHER THAN ASSESSMENTS AND WATER TOLLS IN CALIFORNIA IRRIGATION DISTRICTS.

Name of district	Assessed valuation per acre			Assessment, 1931 - 1932				Assessment, 1932 - 1933					Water tolls collected, 1932	Collected from sources other than assessments and water tolls, 1932
	High	Low	Usual or average	Total assessed valuation	Rate per $100 or valuation	Total assessment levied	Tax certificates sold, including penalties	Total assessed valuation	Rate per $100 valuation: Bond fund	Rate per $100 valuation: General fund	Rate per $100 valuation: Total rate	Total assessment levied		
Alpaugh	$ 60	$ 40	$ 50	$ 384,264	$ 8.00	$ 30,741	$ 19,792	$ 367,164	------	-------	$ 8.00	$ 29,373	$ 30,193	$ 2,811
Alta	60	------	40	5,240,219	1.69	88,769	33,749	5,229,487	$ 0.63	$ 1.46	2.09	109,061	None	2,598
Anderson-Cottonwood	------	------	45	1,342,018	4.00	53,681	19,675	1,285,077	------	2.00	2.00	25,702	None	None
Banta-Carbona	150	------	150	2,242,372	5.30	118,846	80,750	2,216,742	3.08	0.82	3.90	86,453	40,418	377
Bard	------	------	100	602,199	---------	None	None	585,712	------	-------	-------	None	None	None
Beaumont	100	------	100	386,660	11.00	42,533	12,163	385,990	8.00	2.00	10.00	38,599	26,957	5,137
Big Springs	------	------	200	494,544	2.30	11,375	6,234	492,838	0.88	0.30	1.18	5,791	8,199	None
Browns Valley	------	------	-------	----------	---------	None	None	384,000	------	-------	-------	None	5,675	None
Butte Valley	40	------	40	734,700	6.50	47,758	10,640	734,158	5.58	0.92	6.50	40,562	None	2,646
Byron-Bethany	200	20	130	1,696,842	4.00	67,847	12,577	1,695,260	3.00	1.42	4.42	74,931	18,038	294
Camp Far West	150	5	86	349,625	3.60	12,600	None	349,625	3.06	0.83	3.89	14,934	None	None
Carmichael	------	------	80	249,753	12.12	30,266	9,892	249,811	------	-------	12.78	31,957	2,916	195
Carpenter	1,000	------	100	1,215,914	1.25	15,199	1,601	1,214,012	1.10	-------	1.10	13,354	12,564	None
Citrus Heights	100	100	100	309,938	10.50	32,517	7,397	307,970	6.00	4.50	10.50	32,337	2,937	2,196
Compton-Delevan	75	75	75	839,080	6.24	52,400	57,653	839,080	12.63	-------	12.63	105,976	15,084	1,581
Consolidated	100	------	70	10,472,625	2.00	209,453	27,976	10,455,732	------	-------	2.00	209,177	3,997	8,174
Corcoran	100	80	100	5,140,902	2.00	102,487	39,049	5,139,840	1.06	0.94	2.00	101,179	37,962	1,261
Cordua	75	30	70	330,234	5.12	16,908	13,243	330,234	10.12	0.77	10.89	35,962	3,861	291
Deer Creek	100	------	100	177,052	3.25	5,754	107	177,052	------	-------	1.95	2,935	None	80
East Contra Costa	190	100	175	3,601,320	3.50	126,000	13,404	3,598,792	3.32	0.58	3.90	141,652	57,336	548
El Camino	------	------	76	943,294	6.55	61,787	66,682	565,728	------	-------	4.50	25,458	18,050	None
El Dorado	155	2	-------	2,034,667	1.25	25,428	3,800	2,031,825	0.50	0.50	1.00	20,318	61,970	1,855
El Nido	80	10	65	548,090	1.80	9,866	2,820	541,375	1.50	0.90	2.40	12,993	7,157	None
Empire West Side	100	100	100	646,041	0.90	5,815	547	646,041	------	1.90	1.90	12,275	None	100
Fairoaks	96	45	90	342,655	7.00	23,986	5,637	342,655	4.75	2.25	7.00	23,986	20,382	719
Fallbrook	165	90	100	993,102	0.15	1,490	171	992,704	------	0.20	0.20	1,986	None	None
Foothill	65	------	65	2,664,773	1.25	33,310	16,206	2,502,291	------	-------	-------	None	None	3,267
Fresno	100	10	100	18,455,100	2.40	442,922	44,650	18,281,420	------	0.90	0.90	164,542	None	1,499
Glenn-Colusa	44	25	40	4,568,649	6.50	300,779	143,967	4,466,561	------	-------	5.50	249,189	163,231	8,070
Grenada	200	5	200	307,970	6.50	20,018	2,579	370,870	1.50	4.00	5.50	20,398	None	800
Hot Spring Valley	------	------	20	180,289	11.00	19,832	20,209	189,289	------	-------	-------	----------	None	None
Imperial	150	100	125	50,141,772	5.00	2,507,089	959,988	49,406,738	0.30	1.20	1.50	471,048	393,003	45,017
Island No. 3	------	------	-------	----------	---------	None	None	208,000	------	-------	-------	None	None	None
Jacinto	------	------	60	693,500	4.75	33,660	19,138	676,874	0.40	2.90	3.30	22,337	2,552	626
James	150	25	150	3,619,695	3.13	113,420	125,189	3,619,695	2.60	0.43	3.03	109,568	41,086	30,276
La Canada	------	------	175	1,288,920	1.75	22,557	4,832	1,288,920	1.50	0.25	1.75	22,557	21,943	None
Ladera	------	------	400	1,050,723	0.70	7,358	2,971	1,056,231	------	0.20	0.20	2,112	None	828
Laguna	------	------	45	3,050,036	0.80	24,400	3,977	1,318,004	0.05	-------	0.40	5,271	None	None
Lakeland	------	------	-------	----------	---------	None	None	2,328,000	------	-------	-------	None	None	825
Lakeside	500	25	150	133,250	4.25	5,663	2,541	113,250	1.81	2.44	4.25	5,663	5,086	2,319
La Mesa, Lemon Grove & S. V.	------	------	-------	6,458,573	2.60	169,430	90,021	5,938,489	2.44	0.16	2.60	155,947	130,861	13,315
Linden	------	------	100	1,352,535	0.20	2,705	None	1,351,875	------	-------	-------	None	None	None
Lindsay-Strathmore	175	175	175	1,924,434	16.62	319,840	64,390	1,825,816	10.39	5.65	16.04	292,861	149,697	7,689
Little Rock Creek	100	100	100	307,300	9.50	29,194	13,809	277,082	7.56	1.94	9.50	22,375	None	727
Madera	125	5	40 - 60	9,219,307	0.70	64,527	12,888	9,209,020	------	0.18	0.18	16,576	None	9,893

TABLE III (continued)

SUMMARY OF ASSESSMENTS LEVIED, TAX CERTIFICATES SOLD AND REVENUES RECEIVED FROM WATER TOLLS AND FROM SOURCES OTHER THAN ASSESSMENTS AND WATER TOLLS IN CALIFORNIA IRRIGATION DISTRICTS.

Name of district	Assessed valuation per acre			Assessment, 1931 - 1932				Assessment, 1932 - 1933					Water tolls collected, 1932	Collected from sources other than assessments and water tolls, 1932
	High	Low	Usual or average	Total assessed valuation	Rate per $100 or valuation	Total assessment levied	Tax certificates sold, including penalties	Total assessed valuation	Rate per $100 valuation: Bond fund	Rate per $100 valuation: General fund	Rate per $100 valuation: Total rate	Total assessment levied		
Merced	$ 120	$ 5	$ 100	$19,135,142	$ 5.90	$1,071,568	$ 436,345	$12,873,880	------	------	$8.90	$1,148,483	$ 14,864	$ 642,153
Modesto	150	10	70 - 80	7,431,490	4.40	326,986	15,301	7,330,930	$2.00	$ 1.10	3.10	230,356	None	564,215
Montague	75	------	------	1,052,786	10.35	108,963	71,925	864,537	11.40	0.30	11.70	101,152	None	None
Naglee-Burk	100	60	100	268,124	10.00	26,812	8,505	244,278	5.50	4.50	10.00	24,427	None	1,478
Nevada	45	6	15	7,253,323	1.00	73,235	17,638	3,687,094	------	1.00	1.00	36,121	81,588	256,660
Newport Heights	1,000	675	800	1,452,000	1.40	20,328	3,736	1,334,755	------	------	1.35	18,019	7,697	651
Newport Mesa	800	400	600	442,405	1.50	6,336	814	422,405	0.80	0.55	1.35	5,703	2,265	129
Oakdale	------	------	53	4,052,540	5.40	218,837	57,839	3,946,020	3.30	1.80	5.10	201,246	603	12,230
Oroville-Wyandotte	100	10	100	2,309,032	3.50	80,816	41,158	2,309,000	------	2.10	2.10	50,046	36,705	102
Palmdale	------	------	100	157,445	5.00	7,864	6,289	143,648	2.70	2.30	5.00	7,182	5,130	1,565
Palo Verde	100	40	90	3,363,680	0.40	336,333	412,754	2,817,200	13.77	------	13.77	377,168	45,454	68,915
Paradise	90	2	60	563,997	7.50	42,118	17,567	536,012	6.72	0.78	7.50	34,170	None	2,785
Potter Valley	60	5	60	260,166	4.95	12,878	815	259,262	2.42	2.53	4.95	12, 833	4,169	133
Princeton-Codora-Glenn	70	65	67	926,820	4.30	39,853	26,750	919,074	1.30	2.50	3.80	33, 412	19,644	1,240
Provident	80	60	75	1,611,500	6.50	104,748	85,754	1,611,500	6.50	------	6.50	104,748	40,114	3,612
Ramona	200	50	100	80,665	8.00	6,453	749	81,000	7.50	------	7.50	6,075	5,420	892
Richvale	30	30	30	510,085	6.67	34,023	12,277	508,550	3.34	------	3.34	16,985	39,951	3,671
Riverdale	75	60	------	1,092,512	2.33	25,493	7,554	1,114,480	1.48	0.85	2.33	26,227	None	283
San Dieguito	2,000	150	515	2,026,695	4.00	81,068	22,322	2,010,877	------	------	4.00	80,435	33,637	1,465
Santa Fe	900	70	225	2,132,410	5.94	126,665	37,606	2,041,020	2.57	3.89	6.46	131,850	38,914	2,125
San Ysidro	500	20	250	105,720	4.00	4,299	377	122,720	2.00	1.00	3.00	3,682	10,751	391
Scott Valley	------	------	------	----------	--------	None	None	256,000	------	------	4.00	10,240	None	None
Serrano	------	------	1,000	1,320,503	1.25	16,209	634	1,318,513	1.00	------	1.00	13,185	9,183	623
South Montebello	850	800	850	----------	--------	----------	1,089	705,845	------	------	1.65	11,646	9,378	332
South San Joaquin	135	20	100	6,736,820	7.00	471,557	70,484	6,629,370	3.49	2.44	6.00	446,056	600	71,819
Stinson	------	------	50	276,199	14.00	38,542	41,408	232,532	1.25	3.75	5.00	11,627	8,891	3,936
Table Mountain	------	------	125	240,675	5.30	12,756	13,000	240,675	------	------	------	----------	None	None
Terra Bella	130	50	100	1,175,034	10.00	117,503	101,453	941,026	------	5.00	5.00	47,051	52,367	238
Thermalito	------	------	150	448,047	7.80	36,558	9,976	449,342	4.75	3.05	7.80	36,588	None	2,759
Tracy-Clover	100	------	100	103,346	9.00	9,301	2,731	95,071	3.60	5.40	9.00	8,556	None	89
Tranquillity	150	------	150	1,218,114	1.60	19,490	19,691	991,849	2.30	------	2.30	22,813	14,499	1,182
Tulare	------	------	40	1,642,580	0.50	8,213	----------	1,642,580	------	------	------	----------	None	None
Turlock	125	20	75	13,502,015	3.50	472,571	61,311	13,462,145	3.00	------	3.00	403,880	None	770,815
Vandalia	200	200	200	241,614	10.87	26,263	717	241,614	8.36	1.64	10.00	24,161	15,862	720
Vista	1,600	135	156	2,312,297	7.80	180,359	79,200	2,309,374	1.73	2.07	4.80	90,850	112,088	23,950
Walnut	------	------	1,000	911,000	1.00	9,110	2,061	910,950	------	0.50	0.50	4,555	4,074	None
Waterford	200	5	76	1,097,656	5.75	63,114	28,425	1,093,679	2.06	2.44	4.50	49,215	None	424
West Side	200	------	100	1,218,806	5.75	70,081	27,304	1,223,178	3.75	1.75	5.50	67,274	23,923	1,565
West Stanislaus	------	------	100	2,197,227	7.00	152,978	29,046	2,190,520	3.42	0.58	4.00	87,620	20,769	978
Woodbridge	150	20	100	1,210,395	2.00	24,103	2,853	1,209,975	2.00	------	2.00	24,095	23,124	1,236
Totals						9,794,594	3,748,372	226,908,809				6,769,127	1,962,759	2,601,375
Buena Vista Water Storage	30	------	28	945,000	---------	89,297	----------	935,237	------	------	------	56,115	None	None

TABLE IV

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS

JANUARY 1, 1933

(Totals for each district underscored)

Name of district	Numbers of bond issues	Date of bonds	Range of maturities	Regular coupon rate, per cent	Status of bond issues January 1, 1933: Face value of bonds voted: Original	Face value of bonds voted: Refunding	Disposition of bonds voted: Original issues: Canceled	Disposition of bonds voted: Original issues: Sold	Disposition of bonds voted: Unsold, all issues	Disposition of bonds sold: Refunded	Disposition of bonds sold: Paid	Disposition of bonds sold: Outstanding	Bond payments due and not paid: Principal	Bond payments due and not paid: Interest	Interest bearing warrants outstanding January 1, 1933
Alpaugh	1	July 1, 1916	July 1, 1927 - 1946	6	$ 293,000		None	$ 283,000	None	None	$ 56,940	$ 226,060	None	$ 4,296	None
Alta	1	Feb. 15, 1889		6	675,000		None	543,000	$ 140,000	$ 492,000	367,000	176,000	None	None	None
	1 Ref.	Feb. 4, 1902	Jan. 1, 1923 - 1942	5		$ 500,000									
Anderson-Cottonwood					1,255,000		None	1,255,000	None	None	114,000	1,141,000	$ 34,000	50,810	None
	1	Jan. 1, 1916	Jan. 1, 1937 - 1956	6	480,000										
	2	July 1, 1917	July 1, 1938 - 1957	6	575,000										
	3	July 1, 1920	July 1, 1925 - 1934	6	200,000										
Banta-Carbona					1,164,000		None	1,137,060	26,940	None	None	1,137,060	None	64,017	$ 56,896
	1	Aug. 1, 1924	July 1, 1940 - 1964	6	705,000										
	2	Dec. 1, 1925	July 1, 1941 - 1965	6	125,000										
	3	Jan. 1, 1927	Jan. 1, 1948 - 1967	6	334,000										
Baxter Creek[1]	1	July 1, 1921	Jan. 1, 1926 - 1943	6	511,000		None	511,000	None	None	None	511,000	179,000	222,330	51,760
Beaumont					300,000		None	300,000	None	None	67,200	232,800	None	None	3,279
	1	Nov. 1, 1920	Jan. 1, 1926 - 1944	6	230,000										
	2	July 1, 1926	July 1, 1931 - 1950	6	70,000										
Big Springs	1	July 1, 1928	Jan. 1, 1930 - 1946	6	69,000		None	67,000	2,000	None	8,000	59,000	7,000	1,770	None
Butte Valley	1	Sept. 1, 1923	Jan. 1, 1944 - 1963	6	594,000		None	594,000	None	None	None	594,000	None	(2) 210,840	None
Byron-Bethany					650,000		None	650,000	None	None	79,000	571,000	None	None	8,842
	1	Nov. 1, 1920	Jan. 1, 1924 - 1952	6	550,000										
	2	Sept. 1, 1923	July 1, 1933 - 1955	6	100,000										
Camp Far West	1	July 1, 1927	July 1, 1937 - 1956	6	200,000		None	179,000	21,000	None	None	179,000	None	None	None
Carmichael					120,000		None	120,000	None	None	32,900	87,100	None	None	None
	1	July 1, 1916	July 1, 1923 - 1942	6	90,000										
	2	Jan. 1, 1926	Jan. 1, 1933 - 1945	6	30,000										
Carpenter	1	July 1, 1929	July 1, 1934 - 1953	6	200,000		None	200,000	None	None	None	200,000	None	None	None
Citrus Heights	1	Aug. 1, 1921	July 1, 1926 - 1945	6	262,000		None	215,000	47,000	None	52,000	163,000	None	None	None
Compton-Delevan	1	Dec. 1, 1921	Jan. 1, 1922 - 1936	6	575,000		$52,000	523,000	103,000	281,000	139,000	384,000	44,000	34,660	None
	1 Ref.	Jan. 1, 1927	Jan. 1, 1937 - 1950	6		384,000									
Consolidated					850,000		None	850,000	None	None	850,000	None	None	None	None
	1	July 1, 1922	Jan. 1, 1924 - 1933	5½	775,000										
	2	July 1, 1922	Jan. 1, 1924 - 1933	5½	75,000										
Corcoran	1	Jan. 1, 1920	Jan. 1, 1931 - 1955	6	760,000		None	760,000	None	None	26,000	734,000	4,000	8,310	18,674
Cordua					267,000		None	258,000	94,000	102,000	None	258,000	34,000	15,480	None
	1	June 1, 1920	July 1, 1925 - 1940	6	192,000										
	2	June 1, 1921	July 1, 1925 - 1940	6	75,000										
	1 Ref.	June 1, 1925	July 1, 1941 - 1951	6		187,000									

TABLE IV (continued)

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS

JANUARY 1, 1933

(Totals for each district underscored)

Name of district	Numbers of bond issues	Date of bonds	Range of maturities	Regular coupon rate, per cent	Status of bond issues January 1, 1933: Face value of bonds voted: Original	Face value of bonds voted: Refunding	Disposition of bonds voted: Original issues: Canceled	Disposition of bonds voted: Original issues: Sold	Disposition of bonds voted: Unsold, all issues	Disposition of bonds sold: Refunded	Disposition of bonds sold: Paid	Disposition of bonds sold: Outstanding	Bond payments due and not paid: Principal	Bond payments due and not paid: Interest	Interest bearing warrants outstanding January 1, 1933
Crooks Canyon[1]	1				$ 80,000		$ 80,000								
Deer Creek	1	Sept. 1, 1927	July 1, 1929 - 1938	6	25,000		None	$ 25,000	None	None	$ 10,000	$ 15,000	None	None	None
East Contra Costa[3]					1,324,000		23,000	1,301,000	None	None	118,000	1,183,000	None	None	None
Brentwood	1	Jan. 1, 1924	Jan. 1, 1935 - 1954	6	514,000										
Knightsen	1	July 1, 1921	July 1, 1927 - 1946	6	650,000										
Lone Tree	1	Mar. 1, 1922	Jan. 1, 1928 - 1947	6	160,000										
El Camino	1	Nov. 1, 1926			430,000		None	423,000	$ 7,000	None	None	423,000	None	$ 62,400	$ 3,940
	1st Div.		Jan. 1, 1937 - 1956	6	275,000										
	2d Div.		Jan. 1, 1940 - 1952	6	28,000										
	3d Div.		Jan. 1, 1940 - 1956	6	127,000										
El Dorado	1	Mar. 1, 1927	Jan. 1, 1948 - 1967	6	1,300,000		None	688,000	612,000	None	None	688,000	None	20,640	32,001
El Nido	1	Jan. 1, 1931	Jan. 1, 1934 - 1951	6	135,000		None	120,000	15,000	None	None	120,000	None	None	None
Fairoaks	1	Oct. 1, 1918	July 1, 1924 - 1943	6	200,000		None	160,000	40,000	None	62,000	98,000	None	None	None
Foothill	1	Sept. 1, 1927	July 1, 1948 - 1967	6	2,270,000		None	None	2,270,000	None	None	None	None	None	None
Glenn-Colusa	1	Oct. 1, 1920	Jan. 1, 1922 - 1941	6	2,587,000		182,850	2,404,150	15,000	$ 285,000	994,000	1,410,150	$92,350	27,996	None
	1 Ref.	Nov. 1, 1924	Jan. 1, 1935 - 1941	6		$ 300,000									
Grenada	1	July 1, 1921	July 1, 1926 - 1940	6	240,000		104,000	136,000	None	136,000	None	136,000	None	6,000	541
	1 Ref.	June 16, 1931	July 1, 1938 - 1970	6		136,000									
Hot Spring Valley	1	May 1, 1920	Jan. 1, 1923 - 1936	6	160,000		None	160,000	None	None	58,000	102,000	34,000	7,800	7,000
	2	Oct. 15, 1921	Jan. 1, 1927 - 1939	6	100,000										
					60,000										
Imperial	1	Jan. 1, 1915	Jan. 1, 1936 - 1955	5	16,000,000		None	16,000,000	None	None	1,682,000	14,318,000	68,000	542,335	884,714
	2	July 1, 1917	July 1, 1938 - 1957	5	3,500,000										
	3	Oct. 1, 1919	July 1, 1925 - 1934	5½	2,500,000										
	4	July 1, 1922	July 1, 1935 - 1956	6	2,500,000										
					7,500,000										
Jacinto	1	Dec. 1, 1920	Jan. 1, 1923 - 1942	6	238,000		None	238,000	None	None	81,000	157,000	12,000	4,230	None
James	1	May 15, 1920	Jan. 1, 1928 - 1947	6	1,000,000		None	1,000,000	None	None	5,000	995,000	295,000	224,990	60
La Canada	1	July 1, 1925	July 1, 1936 - 1960	5	328,000		None	328,000	None	None	None	328,000	None	None	None
	2	July 1, 1928	July 1, 1949 - 1968	5	154,000										
					174,000										
Ladera					200,000		None	None	200,000	None	None	None	None	None	None
Laguna	1	July 1, 1921	July 1, 1923 - 1932	6	265,000		None	265,000	None	None	265,000	None	None	None	None
Lakeside	1	Feb. 1, 1925	Jan. 1, 1946 - 1965	6	35,000		None	35,000	None	None	None	35,000	None	None	4,000
La Mesa, Lemon Grove and S. V.	1	July 1, 1914	June 30, 1935 - 1939	6	3,732,500		1,166,500	2,066,000	500,000	None	10,000	2,056,000	None	120,756	None
	2	Jan. 1, 1925	Jan. 1, 1946 - 1965	6	1,232,500										
					2,500,000										

TABLE IV (continued)
SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS
JANUARY 1, 1933
(Totals for each district underscored)

Name of district	Numbers of bond issues	Date of bonds	Range of maturities	Regular coupon rate, per cent	Status of bond issues January 1, 1933: Face value of bonds voted: Original	Face value of bonds voted: Refunding	Disposition of bonds voted: Original issues: Canceled	Disposition of bonds voted: Original issues: Sold	Disposition of bonds voted: Unsold, all issues	Disposition of bonds sold: Refunded	Disposition of bonds sold: Paid	Disposition of bonds sold: Outstanding	Bond payments due and not paid: Principal	Bond payments due and not paid: Interest	Interest bearing warrants outstanding January 1, 1933
Lindsay-Strathmore					$ 1,650,000		None	$ 1,650,000	None	None	$ 183,000	$1,467,000	None	None	$ 60,465
	1	July 1, 1916	July 1, 1927 - 1946	6	1,400,000										
	2	Oct. 1, 1918	Oct. 1, 1929 - 1948	6	250,000										
Little Rock Creek					368,000		None	368,000	None	None	8,000	360,000	$ 9,000	$64,800	None
	3	July 1, 1914	Jan. 1, 1934 - 1954	5	60,000										
	4	Jan. 16, 1920	Jan. 1, 1941 - 1960	6	200,000										
	5	May 1, 1921	Jan. 1, 1925 - 1942	6											
	6	Jan. 1, 1925	Jan. 1, 1941 - 1960	6											
Madera					28,000,000		None	200,000	$27,800,000	None	200,000	None	None	None	None
	1				27,800,000										
	1st Div.-	Oct. 1, 1921	July 1, 1927 - 1928	6	200,000										
Maxwell[1]	1	Sept. 15, 1918	Jan. 1, 1922 - 1941	6	260,000		None	260,000	None	None	26,000	No	information		
Merced					16,250,000		None	16,250,000	None	None	13,500	16,236,500	46,500	336,115	None
	1 1st Div.	Jan. 1, 1922	Jan. 1, 1933 - 1950	6	3,120,000										
	2 2d Div.	Jan. 1, 1922	Jan. 1, 1951 - 1953	5½	1,800,000										
	1 3d Div.	Jan. 1, 1922	Jan. 1, 1954 - 1955	5½	1,420,000										
	1 4th Div.	Jan. 1, 1922	Jan. 1, 1956 - 1962	6	5,666,000										
	2	May 1, 1924	Jan. 1, 1937 - 1964	6	3,250,000										
	3	April 1, 1926	Jan. 1, 1965 - 1966	5½	1,000,000										
Modesto					3,749,000	$1,388,511	$ 46,000	4,855,511	236,000	None	844,055	4,011,456	None	None	None
	1 Ref.	May 1, 1902	Jan. 1, 1923 - 1942	5	----------	1,056,511									
	2	Jan. 1, 1903	Jan. 1, 1914 - 1923	6	18,000										
	2 Ref.	Jan. 5, 1904	Jan. 1, 1925 - 1944	5	----------	332,000									
	3	July 1, 1909	July 1, 1930 - 1939	5	200,000										
	4	Jan. 1, 1911	Jan. 1, 1932 - 1941	5	50,000										
	5 - 6	July 1, 1914	July 1, 1935 - 1954	6	610,000										
	7 - 11	July 1, 1920	July 1, 1931 - 1950	6	2,000,000										
	12	Oct. 1, 1923	July 1, 1934 - 1953	5	135,000										
	13	Jan. 1, 1924	July 1, 1944 - 1953	5	500,000										
	14	Jan. 1, 1927	Jan. 1, 1942 - 1951	5	236,000										
Mojave River[1]	1	Aug. 15, 1922	Jan. 1, 1933 - 1954	6	5,600,000		None	None	5,600,000	None	None	None	None	None	None
Montague	1	Jan. 1, 1926	Jan. 1, 1947 - 1966	6	1,395,000		None	1,395,000	None	None	None	1,395,000	None	209,503	None
Naglee-Burk	1	Oct 1, 1921	July 1, 1926 - 1940	6	200,000		None	195,000	11,000	$186,000	9,000	186,000	None	3,855	7,267
	1 Ref.	July 1, 1927	July 1, 1933 - 1967	6	----------	192,000									
Nevada					9,842,000		None	8,100,000	1,755,000	8,087,000	None	8,087,000	None	None	10,034
	1 1st Div.	July 1, 1925	July 1, 1936 - 1965	5½	6,000,000										
	1 2d Div.	July 1, 1926	July 1, 1933 - 1965	5½	1,250,000										
	2	July 1, 1928	July 1, 1949 - 1962	5½	2,592,000										
	Refunding	Sept. 15, 1931	Sinking fund - 1981	4	----------	8,100,000									
Newport Heights	1	Jan. 1, 1910	July 1, 1941 - 1660	6	160,000		None	160,000	None	None	None	160,000	None	None	None
Newport Mesa	1	Jan. 1, 1919	July 1, 1940 - 1959	6	50,000		None	50,000	None	None	None	50,000	None	None	None

TABLE IV (continued)
SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS
JANUARY 1, 1933
(Totals for each district underscored)

Name of district	Numbers of bond issues	Date of bonds	Range of maturities	Regular coupon rate, per cent	Status of bond issues January 1, 1933: Face value of bonds voted: Original	Face value of bonds voted: Refunding	Disposition of bonds voted: Original issues: Canceled	Disposition of bonds voted: Original issues: Sold	Disposition of bonds voted: Unsold, all issues	Disposition of bonds sold: Refunded	Disposition of bonds sold: Paid	Disposition of bonds sold: Outstanding	Bond payments due and not paid: Principal	Bond payments due and not paid: Interest	Interest bearing warrants outstanding January 1, 1933
Oakdale					$ 3,675,000	$2,320,000	None	$3,675,000	$116,000	$2,204,000	$325,000	$3,350,000	None	None	None
	1	July 1, 1910	July 1, 1931 - 1940	5	1,600,000										
	2	Jan. 1, 1913	Jan. 1, 1934 - 1943	5	400,000										
	3	July 1, 1915	July 1, 1936 - 1955	6	400,000										
	4	Jan. 1, 1924	Jan. 1, 1925 - 1931	5½	175,000										
	5	June 21, 1925	Jan. 1, 1927 - 1965	5	1,100,000										
	1 Ref.	Oct. 1, 1931													
	1st Div.	----------	July 1, 1950 - 1972	5	----------	200,000									
	2d Div.	----------	July 1, 1955 - 1966	4	----------	960,000									
	3d Div.	----------	Sinking fund - 1978	6	----------	200,000									
	4th Div.	----------	Sinking fund - 1978	5	----------	960,000									
Oroville-Wyandotte	1	Jan. 1, 1923	Jan. 1, 1944 - 1963	6	2,000,000	----------	None	1,095,000	905,000	None	None	1,095,000	None	$79,620	$44,093
Owens Valley[1]	1	Jan. 1, 1924	Jan. 1, 1940 - 1959	5½	1,650,000	----------	None	471,500	1,178,500	None	None	471,500	No information		
Palmdale					545,000	----------	None	445,000	100,000	None	4,000	441,000	$ 4,000	199,175	11,942
	1	May 16, 1920	Jan. 1, 1941 - 1960	6	382,000										
	2	May 1, 1921	Jan. 1, 1933 - 1942	6	63,000										
	3	June 1, 1925	Jan. 1, 1941 - 1960	6	100,000										
Palo Verde[4]					6,507,330	----------	$32,000	4,913,330	1,562,000	None	739,000	4,174,330	130,000	692,309	78,756
Mutual Water Company	1	Feb. 1, 1916	Feb. 1, 1922 - 1935	6	500,000										
Levee District	1	May 1, 1918	May 1, 1919 - 1958	6½	1,285,951										
Levee District	2	Nov. 1, 1922	Nov. 1, 1923 - 1962	6½	371,379										
Drainage District	1	Dec. 1, 1921	Jan. 1, 1933 - 1942	6	850,000										
Irrigation District	1	Sept. 1, 1925	July 1, 1937 - 1955	6	3,500,000										
Paradise					490,000	----------	None	490,000	None	None	12,000	478,000	1,000	22,695	None
	1	May 1, 1917	May 1, 1938 - 1957	6	350,000										
	2	July 1, 1920	July 1, 1925 - 1956	6	140,000										
Potter Valley	1	July 1, 1928	July 1, 1933 - 1952	5½	100,000	----------	None	97,000	3,000	None	None	97,000	None	None	None
Princeton-Codora-Glenn	1	July 1, 1918	July 1, 1939 - 1958	6	175,000	----------	None	175,000	None	None	3,000	172,000	None	5,145	2,651
Provident					1,190,000	----------	None	1,190,000	None	None	192,000	998,000	68,000	169,433	None
	1	Aug. 15, 1918	Aug. 15, 1930 - 1949	6	1,000,000										
	2	Aug. 9, 1921	July 1, 1922 - 1933	6	190,000										
Ramona	1	July 1, 1926	July 1, 1947 - 1966	6	91,000	----------	None	91,000	None	None	None	91,000	None	None	2,000
Red Rock Creek[1]	1	Jan. 1, 1926	Jan. 1, 1947 - 1966	6	442,160	----------	----------	None	442,160	None	None	None	None	None	None
Richvale	1	----------	1937 - 1970	6	515,000	----------	None	515,000	None	None	None	515,000	None	None	1,371
Riverdale	1	Oct. 1, 1922	July 1, 1925 - 1933	6	123,000	----------	None	123,000	None	None	106,000	17,000	None	None	None
San Dieguito	1	April 1, 1923	Jan. 1, 1931 - 1950	6	400,000	----------	None	400,000	None	None	34,000	366,000	None	None	None
Santa Fe	1	Nov. 1, 1923	July 1, 1933 - 1952	6	700,000	----------	None	700,000	None	None	None	700,000	None	None	None
San Ysidro	1	Jan. 1, 1913	Jan. 1, 1934 - 1943	5	25,000	----------	None	25,000	None	None	None	25,000	None	None	19,759

TABLE IV (continued)
SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS
JANUARY 1, 1933
(Totals for each district underscored)

Name of district	Numbers of bond issues	Date of bonds	Range of maturities	Regular coupon rate, per cent	Status of bond issues January 1, 1933: Face value of bonds voted: Original	Face value of bonds voted: Refunding	Disposition of bonds voted: Original issues: Canceled	Disposition of bonds voted: Original issues: Sold	Disposition of bonds voted: Unsold, all issues	Disposition of bonds sold: Refunded	Disposition of bonds sold: Paid	Disposition of bonds sold: Outstanding	Bond payments due and not paid: Principal	Bond payments due and not paid: Interest	Interest bearing warrants outstanding January 1, 1933
Scott Valley	1	July 1, 1920	July 1, 1923 - 1937	6	$ 125,000	----------	None	$ 125,000	None	$ 69,000	$ 58,000	$ 67,000	None	None	None
	1 Ref.	----------	Jan. 1, 1933 - 1947	6	----------	$ 69,000									
Serrano	1	July 1, 1929	July 1, 1934 - 1953	6	200,000	----------	None	200,000	None	None	None	200,000	None	None	None
South Montebello	1	June 30, 1923	Jan. 1, 1926 - 1945	6	125,000	----------	None	125,000	None	None	50,000	75,000	None	None	None
South San Joaquin	----------	----------	----------	-------	5,985,000	----------	None	5,985,000	$4,791,250	None	148,750	5,836,250	----------	----------	$165,595
	1	July 1, 1910	July 1, 1931 - 1940	5	1,875,000										
	2	April 18, 1913	April 18, 1934 - 1942	5	1,170,000										
	3	July 1, 1913	July 1, 1934 - 1943	5	790,000										
	4	Sept. 1, 1919	Sept. 1, 1940 - 1959	5½	500,000										
	5	Nov. 6, 1923	July 1, 1944 - 1963	5½	550,000										
	6	June 21, 1925	Jan. 1, 1927 - 1965	5	1,100,000										
	1 Ref.	Oct. 1, 1931	July 1, 1936 - 1961	-------	----------	4,791,250									
	1st. Div.	----------	----------	5	----------	3,741,250									
	2d Div.	----------	----------	5½	----------	1,050,000									
Stinson	1	Apr. 1, 1923	Jan. 1, 1931 - 1950	6	360,000	----------	None	360,000	None	None	None	360,000	$ 25,200	$63,714	30,902
Table Mountain	----------	----------	----------	-------	187,000	----------	None	187,000	None	None	None	187,000	None	22,560	1,545
	1	July 1, 1923	July 1, 1944 - 1963	6	125,000										
	2	Mar. 1, 1927	Jan. 1, 1948 - 1967	6.	62,000										
Terra Bella	1	Nov. 1, 1916	Nov. 1, 1927 - 1946	6	1,000,000	----------	None	1,000,000	None	None	125,000	875,000	57,000	123,290	None
Thermalito	----------	----------	----------	-------	320,000	----------	None	320,000	None	None	None	320,000	None	10,020	13,549
	1	Mar. 1, 1923	Jan. 1, 1934 - 1953	6	270,000										
	2	May 1, 1926	Jan. 1, 1947 - 1966	6	50,000										
Tracy-Clover	1	May 1, 1923	Jan. 1, 1939 - 1963	6	52,170	----------	None	52,170	None	None	None	52,170	None	450	None
Tranquillity	1	Jan. 1, 1920	Jan. 1, 1924 - 1955	5½	260,000	----------	----------	260,000	None	None	13,000	247,000	6,000	40,755	16,663
Tule[1]	1	July 1, 1921	Jan. 1, 1926 - 1943	6	806,000	----------	None	806,000	None	None	None	806,000	214,000	360,288	None
Turlock	----------	----------	----------	-------	6,714,000	----------	----------	7,870,000	44,000	----------	1,383,160	6,486,840	None	None	None
	1 Ref.	July 1, 1902	Jan. 1, 1922 - 1942	5	----------	1,200,000									
	1	Jan. 1, 1905	Jan. 1, 1926 - 1935	5	200,000										
	2	July 1, 1910	July 1, 1931 - 1940	5	100,000										
	3	Jan. 1, 1911	Jan. 1, 1932 - 1941	5	1,206,000										
	4 - 5	July 1, 1920	July 1, 1936 - 1951	6	3,598,000										
	6	July 1, 1920	July 1, 1941 - 1960	5½	510,000										
	7	Jan. 1, 1924	Jan. 1, 1927 - 1936	5	500,000										
	8	Dec. 31, 1926	July 1, 1932 - 1946	5	600,000										
Vandalia	1	Apr. 1, 1924	Jan. 1, 1928 - 1947	6	210,000	----------	None	210,000	None	None	37,800	172,200	None	None	None
Vista	1	Jan. 1, 1925	Jan. 1, 1946 - 1965	6	1,700,000	----------	None	1,700,000	None	None	None	1,700,000	None	34,000	None
Waterford	----------	----------	----------	-------	670,000	----------	None	670,000	----------	None	34,075	635,925	37,025	39,383	None
	1	Oct. 1, 1916	Oct. 1, 1927 - 1946	6	465,000										
	2	July 1, 1919	July 1, 1927 - 1946	5½	205,000										

TABLE IV (continued)
SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS
JANUARY 1, 1933
(Totals for each district underscored)

Name of district	Numbers of bond issues	Date of bonds	Range of maturities	Regular coupon rate, per cent	Status of bond issues January 1, 1933: Face value of bonds voted: Original	Face value of bonds voted: Refunding	Disposition of bonds voted: Original issues: Canceled	Disposition of bonds voted: Original issues: Sold	Disposition of bonds voted: Unsold, all issues	Disposition of bonds sold: Refunded	Disposition of bonds sold: Paid	Disposition of bonds sold: Outstanding	Bond payments due and not paid: Principal	Bond payments due and not paid: Interest	Interest bearing warrants outstanding January 1, 1933
West Side					$ 595,000		None	$ 558,500	$ 36,500	None	$45,000	$ 513,500	$ 13,500	$ 15,855	$ 56,364
	1	Jan. 1, 1917	Jan. 1, 1938 - 1957	6	295,000										
	2	July 1, 1918	July 1, 1939 - 1958	6	100,000										
	3	Jan. 1, 1920	Jan. 1, 1930 - 1939	6	150,000										
	4	Feb. 1, 1929	Jan. 1, 1950 - 1969	6	50,000										
West Stanislaus	1	July 1, 1927	July 1, 1932 - 1957	6	1,216,376		$ 376	1,175,000	41,000	None	10,000	1,165,000	None	None	22,322
Williams[5]					732,000		None	565,000	234,000	$ 379,000	20,000	565,000	40,000	179,310	41,997
	1	July 1, 1921	Jan. 1, 1923 - 1937	6	600,000										
	2 1st Div. Ref.	Jan. 1, 1924	Jan. 1, 1942 - 1959	6		$466,000									
	2 2d Div.	Jan. 1, 1924	Jan. 1, 1959 - 1961	6	115,000										
	3	June 1, 1924	Jan. 1, 1945 - 1961	6	17,000										
Woodbridge	1	Mar. 1, 1928	Jan. 1, 1930 - 1954	5½	325,000		None	325,000	None	None	25,000	300,000	None	None	3,420
Totals					147,019,536	19,641,361	1,686,726	104,197,161	48,948,350	12,221,000	9,395,080	94,224,841	1,454,575	4,301,925	1,682,402
Buena Vista Water Storage	1	July 1, 1929	July 1, 1935 - 1968	6	$ 942,731		None	$ 942,731	None	None	None	$ 942,731	None	None	$ 80,062

1. Summary contains data on Baxter Creek, Crooks Canyon, Maxwell, Mojave River, Owens Valley, Red Rock Creek and Tule irrigation districts which are considered as inactive or partially active.
2. Interest payments due from July 1, 1927, to January 1, 1933, inclusive, deferred by agreement made with bond holders.
3. East Contra Costa irrigation district formed in 1926 by consolidation of Brentwood, Knightsen and Lone Tree irrigation districts.
4. Includes Levee district, Drainage district and Mutual Water Company bonds which were assumed by Palo Verde irrigation district by special act of legislature in 1925.
5. By agreement, bonds or Williams irrigation district, now consolidated with Glenn-Colusa irrigation district, are an obligation against lands in Williams irrigation district only.

TABLE V

YEAR FORMED, AREA, AND IRRIGATION BONDS OUTSTANDING IN CALIFORNIA DISTRICTS

January 1, 1933

Irrigation district	Year formed	Estimated area		Bonds outstanding total	Bonds outstanding per acre	
		Gross acres	Irrigable acres		Gross area	Irrigable area
Alpaugh	1915	8,133	8,132	$ 226,060	$ 27.80	$ 27.80
Alta	1888	129,300	110,000	176,000	1.36	1.60
Anderson-Cottonwood	1914	32,000	28,064	1,141,000	35.66	40.66
Banta-Carbona	1921	15,653	15,194	1,137,060	72.64	74.84
Bard	1927	7,000	6,000	None	None	None
Baxter Creek	1917	9,336	8,636	511,000	54.53	59.17
Beaumont	1919	4,141	3,161	232,800	56.22	73.64
Big Springs	1927	3,615	2,550	59,000	16.32	23.13
Browns Valley	1888	40,000	11,740	None	None	None
Butte Valley	1920	28,686	17,500	594,000	20.71	33.94
Byron-Bethany	1919	17,200	12,544	571,000	33.20	45.52
Camp Far West	1924	4,089	2,658	179,000	43.78	67.34
Carmichael	1916	3,138	3,038	87,100	27.75	28.67
Carpenter	1927	1,328	1,320	200,000	150.60	151.52
Citrus Heights	1920	3,162	3,070	163,000	51.55	53.09
Compton-Delevan	1920	12,652	11,500	384,000	30.35	33.39
Consolidated	1921	149,047	145,757	None	None	None
Corcoran	1919	51,606	51,000	734,000	14.19	14.40
Cordua	1919	5,461	5,421	258,000	47.24	47.59
Deer Creek	1926	1,900	1,800	15,000	7.85	8.33
East Contra Costa	1926	20,200	19,760	1,183,000	58.56	59.86
El Camino	1921	7,549	7,549	423,000	56.03	56.03
El Dorado	1925	30,000	19,905	688,000	22.93	34.56
El Nido	1929	9,330	7,405	120,000	12.86	16.24
Empire West Side	1931	7,010	6,400	None	None	None
Fair Oaks	1917	3,900	3,400	98,000	25.13	28.82
Fallbrook	1925	10,217	10,200	None	None	None
Foothill	1920	55,875	43,500	None	None	None
Fresno	1920	243,100	239,080	None	None	None
Glenn-Colusa	1920	122,032	119,021	1,410,150	11.57	11.85
Grenada	1921	2,148	1,800	136,000	63.31	68.00
Hemet	1927	9,815	9,500	None	None	None
Hot Spring Valley	1919	9,497	9,000	102,000	10.74	11.32
Imperial	1911	612,200	521,600	14,318,000	23.39	27.85
Jacinto	1917	11,618	11,560	157,000	13.51	13.58
James	1920	26,266	18,266	995,000	37.88	54.47
La Canada	1924	1,296	1,239	328,000	253.48	264.73
Ladera	1922	1,632	1,481	None	None	None
Laguna	1920	34,858	30,000	None	None	None
Lakeside	1924	320	288	35,000	109.38	121.53
La Mesa, Lemon Grove and S. V.--	1913	19,245	13,550	2,056,000	106.83	151.73
Linden	1929	13,700	13,500	None	None	None
Lindsay-Strathmore	1915	15,246	14,540	1,467,000	96.22	100.89
Littlerock Creek	1892	3,073	2,877	360,000	117.50	125.13
Lucerne	1925	33,407	33,000	None	None	None

TABLE V

YEAR FORMED, AREA, AND INDEBTEDNESS BONDS OUTSTANDING IN CALIFORNIA DISTRICTS

January 1, 1930

Irrigation district	Year formed	Estimated area		Bonds outstanding total	Bonds outstanding per acre	
		Gross acres	Irrigable acres		Gross area	Irrigable area
Alpaugh	1918	8,135	8,136	$ 829,080	$ 27.50	$ 27.50
Alta	1888	139,300	110,000	176,000	1.26	1.60
Anderson-Cottonwood	1914	32,000	28,064	1,161,000	36.28	40.66
Santa-Barbara	1921	18,835	15,194	1,127,080	72.44	74.86
Byrd	1927	7,000	6,000	None	None	None
Buster Creek	1917	9,336	6,836	211,000	24.32	29.17
Beaumont	1919	4,141	3,181	232,800	55.38	73.54
Big Springs	1927	3,615	3,000	89,000	14.32	29.12
Fresno Valley	1918	40,200	11,740	None	None	None
Butte Valley	1920	28,808	17,200	394,000	20.71	22.94
Byron-Bethany	1919	18,300	12,344	271,000	32.20	46.82
Camp Far West	1924	4,080	2,428	178,000	43.72	47.54
Carlsbad	1916	2,128	2,028	87,100	27.72	28.27
Carpenter	1927	1,325	1,320	300,000	120.20	121.22
Citrus Belgsbs	1920	3,182	3,070	183,000	21.85	22.02
Compton-Delaven	1920	12,828	11,000	284,000	20.22	22.22
Consolidated	1921	142,847	142,027	None	None	None
Corcoran	1919	21,606	18,000	724,000	14.12	14.40
Cordua	1919	3,421	3,421	228,000	47.24	47.22
Deer Creek	1922	1,900	1,800	15,000	7.82	8.32
East Contra Costa	1921	20,200	19,760	1,180,000	58.22	59.84
El Centro	1921	7,249	7,249	422,000	56.02	56.02
El Dorado	1922	30,000	12,000	688,000	22.93	34.47
El Nido	1922	9,220	7,404	120,000	12.88	16.22
Empire West Side	1921	7,010	6,400	None	None	None
Fair Oaks	1917	3,200	3,400	93,000	22.12	22.32
Fallbrook	1922	10,212	10,200	None	None	None
Foothill	1920	22,272	42,300	None	None	None
Fresno	1920	244,100	229,080	None	None	None
Glenn-Colusa	1920	172,032	119,021	1,410,120	11.67	11.80
Grenada	1921	3,149	1,800	126,000	42.11	68.00
Hemet	1927	9,212	9,300	None	None	None
Hot Springs Valley	1919	9,427	9,000	102,000	10.74	11.32
Imperial	1911	612,200	521,000	14,316,000	23.20	27.32
Jacinto	1917	11,612	11,500	127,000	12.21	12.20
Jesse	1920	26,264	18,866	995,000	37.88	54.47
La Grande	1922	1,292	1,229	320,000	247.42	264.73
Ladera	1922	1,032	1,481	None	None	None
Laguna	1920	24,022	20,000	None	None	None
Lakeside	1924	320	288	22,000	102.32	121.32
La Mesa, Lemon Grove and S. V.	1913	19,242	12,220	2,024,000	104.82	121.73
Linden	1922	12,700	12,000	None	None	None
Lindsay-Strathmore	1918	16,248	14,240	1,427,000	94.22	100.28
Listerdale Creek	1922	2,072	2,072	240,000	117.20	123.12
Lucerne	1922	22,407	22,000	None	None	None

TABLE V

YEAR FORMED, AREA, AND IRRIGATION BONDS OUTSTANDING IN CALIFORNIA DISTRICTS (continued)

January 1, 1933

Irrigation district	Year formed	Estimated area		Bonds outstanding total	Bonds outstanding per acre	
		Gross acres	Irrigable acres		Gross area	Irrigable area
Madera	1920	174,679	170,000	None	None	None
Merced	1919	190,000	170,000	$ 16,236,500	$ 85.45	$ 95.50
Modesto	1887	81,203	76,360	4,011,456	49.27	64.50
Mohave River	1917	27,665	27,000	None	None	None
Montague	1925	26,117	18,531	1,395,000	53.41	75.28
Naglee-Burke	1920	2,871	2,846	186,000	64.79	65.35
Nevada	1921	266,000	164,000	8,087,000	30.36	49.25
Newport Heights	1918	1,503	1,503	160,000	106.45	106.45
Newport Mesa	1918	694	400	50,000	72.05	125.00
Oakdale	1909	74,300	64,000	3,350,000	45.33	50.37
Oroville-Wyandotte	1919	24,100	22,300	1,095,000	45.22	52.34
Owens Valley	1922	53,990	None	471,500	None	None
Palmdale	1918	4,756	4,698	441,000	92.73	93.92
Palo Verde	1923	88,693	70,000	4,174,330	47.06	59.60
Paradise	1916	11,260	9,836	478,000	42.45	48.60
Potter Valley	1924	5,042	4,195	97,000	19.24	23.12
Princeton-Codora-Glenn	1916	13,656	12,290	172,000	12.58	14,00
Provident	1918	22,805	21,000	998,000	43.76	47.52
Ramona	1925	660	594	91,000	137.88	153.20
Richvale	1930	17,170	14,600	515,000	29.99	35.27
Riverdale	1920	15,830	14,800	17,000	1.07	1.15
San Dieguito	1922	3,900	3,700	366,000	93.84	99.00
Santa Fe	1923	10,106	6,980	700,000	69,27	100.29
San Ysidro	1911	500	490	25,000	50.00	51.02
Scott Valley	1917	5,125	4,000	67,000	13.08	16.75
Serrano	1927	1,499	1,319	200,000	133.42	151.63
South Montebello	1922	827	827	75,000	90.68	90.68
South San Joaquin	1909	71,112	66,465	5,836,250	82.07	87.81
Stinson	1921	11,150	11,000	360,000	32.29	32.73
Table Mountain	1922	1,955	1,780	187,000	95.65	105.06
Terra Bella	1915	12,285	12,070	875,000	71.23	72.49
Thermalito	1922	3,110	2,940	320,000	102.89	108.84
Tracy-Clover	1922	1,084	1,034	52,170	48.13	49.49
Tranquillity	1918	10,750	10,190	247,000	22.98	24.24
Tulare	1889	34,000	30,600	None	None	None
Tule	1920	15,015	9,795	806,000	53.68	82.29
Turlock	1887	181,556	179,278	6,486,840	35.70	36.15
Vandalia	1923	1,276	1,253	172,200	135.00	137.43
Vista	1923	18,206	14,654	1,700,000	93.38	116.01
Walnut	1893	911	900	None	None	None
Waterford	1913	14,110	11,424	635,925	55.14	55.75
West Side	1915	11,828	11,811	513,500	43.44	43.64
West Stanislaus	1920	22,137	22,000	1,165,000	52.62	53.00
Williams	1920	9,009	8,000	565,000	62.72	70.63
Woodbridge	1924	14,167	14,000	300,000	20.23	21.43
Totals		3,389,593	2,902,969	$ 94,224,841		
Buena Vista Water Storage Dist.	1928	78,596	50,400	942,731	11.99	18.70

TABLE V

YEAR FORMED, AREA, AND IRRIGATION BONDS OUTSTANDING IN CALIFORNIA DISTRICTS (continued)

January 1, 1932

Irrigation district	Year formed	Estimated area: Gross acres	Estimated area: Irrigable acres	Bonds outstanding total	Bonds outstanding per acre: Gross acre	Bonds outstanding per acre: Irrigable acre
Madera	1920	174,679	170,000	None	None	None
Merced	1919	190,000	170,000	$ 12,856,300	$ 65.46	$ 75.10
Modesto	1917	81,203	76,300	4,011,456	49.27	54.30
Mokelumne River	1919	27,645	27,000	None	None	None
Montague	1928	24,117	18,322	1,322,000	55.41	72.88
Naglee-Burns	1920	2,971	2,812	186,000	64.72	66.32
Norada	1921	395,000	164,000	6,097,000	36.38	44.15
Nevport Heights	1918	1,802	1,703	180,000	100.45	106.45
Nevport Mesa	1918	594	400	38,000	73.00	108.00
Oakdale	1909	74,300	66,000	3,280,000	43.79	49.27
Orovillo-Wyandotte	1919	34,120	22,700	1,062,000	43.22	46.94
Owens Valley	1922	53,900	None	471,000	None	None
Palmdale	1918	4,750	4,529	441,000	92.75	98.22
Palo Verde	1923	88,893	70,000	4,174,300	47.06	59.69
Paradise	1918	11,280	9,038	478,000	42.45	49.60
Porter Valley	1924	3,042	4,180	37,000	12.84	23.12
Princeton-Codora-Glenn	1919	14,658	12,800	178,000	12.08	13.90
Provident	1918	22,805	21,000	998,000	43.78	47.52
Ramona	1923	850	594	91,000	107.06	153.20
Rickvale	1920	17,170	14,600	312,000	18.19	21.37
Riverside	1922	15,830	14,000	17,000	1.07	1.18
San Diegito	1922	5,903	3,700	344,000	58.34	92.92
Santa Fe	1923	10,108	4,980	700,000	69.27	140.57
San Ysidro	1921	800	490	32,000	40.00	65.30
Scott Valley	1917	5,123	4,000	67,000	13.08	16.75
Serrano	1927	1,499	1,319	200,000	133.44	151.63
South Montebello	1922	827	827	76,000	91.88	91.88
South San Joaquin	1909	71,112	68,445	5,934,200	83.07	87.01
Stinson	1921	11,120	11,000	390,000	35.09	35.73
Table Mountain	1922	1,925	1,780	187,000	97.03	105.05
Terra Bella	1918	12,225	12,070	873,000	71.43	72.39
Tierramalto	1922	3,110	2,840	320,000	102.89	102.34
Tracy-Glover	1922	1,082	1,034	52,170	48.13	48.49
Tranquillity	1918	10,720	10,120	247,000	22.95	24.34
Tulare	1920	34,000	30,800	None	None	None
Tule	1920	13,018	9,798	804,000	61.68	82.02
Turlock	1887	181,636	179,378	6,456,840	35.70	36.16
Vandalia	1923	1,370	1,223	172,300	125.00	137.42
Vista	1923	16,304	14,064	1,700,000	93.38	114.01
Walnut	1922	912	600	None	None	None
Waterford	1918	14,119	11,634	832,920	58.14	65.75
West Side	1918	11,888	11,811	815,500	42.44	42.64
West Stanislaus	1920	52,127	32,000	1,185,000	22.82	23.00
Willows	1920	9,009	8,000	606,000	62.72	70.63
Woodbridge	1924	14,127	14,000	300,000	20.23	21.43
Totals		3,389,095	2,903,989	$ 94,334,941		
Buena Vista Water Storage Dist.--	1928	78,388	50,400	948,731	11.99	18.70