

# CENSUS OF IRRIGATION—UNITED STATES SUMMARY

TABLE 5.—AREAS, BY TYPE OF ENTERPRISE: 1940, 1930, AND 1920

[For the 17 western States and Arkansas and Louisiana]

ITEM AND TYPE OF ENTERPRISE (For definitions and explanations, see text)	CENSUS OF—				Increase or decrease (-) 1930-40 primary enterprises	ITEM AND TYPE OF ENTERPRISE (For definitions and explanations, see text)	CENSUS OF—				Increase or decrease (-) 1930-40 primary enterprises
	1940		1930	1920			1940		1930	1920	
	Primary enterprises	Supplemental enterprises <sup>1</sup>	Primary enterprises	Primary enterprises			Primary enterprises	Supplemental enterprises <sup>1</sup>	Primary enterprises	Primary enterprises	
<b>AREA IRRIGATED</b>						<b>AREA WORKS WERE CAPABLE OF SUPPLYING WITH WATER—Continued</b>					
Total.....	Acres 21,003,739	Acres 3,287,210	Acres 19,547,544	Acres 19,191,716	Percent 7.4		Acres	Acres	Acres	Acres	Percent
Individual and partnership.....	7,314,152	596,171	6,410,581	6,848,807	14.1	Reclamation district.....	136,276	22,743	.....	.....	.....
Cooperative, incorporated.....	5,743,545	760,981	6,271,394	6,581,400	6.1	Commercial.....	1,961,202	232,804	2,160,950	2,799,563	-8.2
Cooperative, unincorporated.....	908,943	97,407	.....	.....	.....	Bureau of Reclamation <sup>2</sup> .....	2,349,967	1,762,721	1,944,825	1,680,643	20.8
Irrigation district.....	3,514,702	211,470	3,452,275	1,622,687	1.8	Office of Indian Affairs <sup>2</sup> .....	802,996	.....	739,446	484,486	8.6
Reclamation district.....	59,052	22,743	.....	.....	.....	State.....	37,948	2,000	13,000	7,379	179.0
Commercial.....	1,017,781	128,238	1,230,763	1,822,001	-17.3	City and/or sewage.....	164,219	7,730	146,132	44,458	5.5
Bureau of Reclamation <sup>2</sup> .....	1,524,004	1,460,470	1,485,028	1,254,569	22.8	Other.....	13,811	.....	407,619	813,469	-96.6
Office of Indian Affairs <sup>2</sup> .....	515,765	.....	331,840	284,551	55.4						
State.....	17,022	2,000	11,489	5,620	48.2	<b>IRRIGABLE AREA<sup>3</sup></b>					
City and/or sewage.....	63,457	7,730	121,218	40,145	-31.2	Total.....	31,305,949	4,482,635	39,599,470	35,890,821	2.3
Other.....	5,316	.....	233,016	531,735	-97.7	Individual and partnership.....	10,137,716	830,666	8,969,051	13,008,415	13.0
						Cooperative, incorporated.....	7,464,492	924,803	8,698,800	10,628,543	-1.3
						Cooperative, unincorporated.....	1,118,653	119,049	.....	.....	.....
						Irrigation district.....	5,687,191	467,807	6,013,347	3,432,109	-5.7
						Reclamation district.....	137,526	22,743	.....	.....	.....
						Commercial.....	2,551,707	291,694	2,519,597	3,999,581	-2.6
						Bureau of Reclamation <sup>2</sup> .....	2,794,102	1,808,153	2,569,649	2,627,176	8.7
						Office of Indian Affairs <sup>2</sup> .....	1,185,449	.....	1,122,134	932,985	6.5
						State.....	44,591	10,000	14,231	9,851	213.3
						City and/or sewage.....	158,271	7,730	140,534	49,660	12.6
						Other.....	16,251	.....	452,127	1,202,781	-96.4
<b>AREA WORKS WERE CAPABLE OF SUPPLYING WITH WATER</b>											
Total.....	28,055,248	4,268,394	26,101,890	26,020,477	7.5						
Individual and partnership.....	9,633,198	798,308	7,982,142	9,255,766	20.7						
Cooperative, incorporated.....	6,818,052	879,033	7,861,061	8,403,298	1.7						
Cooperative, unincorporated.....	1,078,184	111,378	.....	.....	.....						
Irrigation district.....	4,969,385	451,677	4,846,095	2,531,425	2.5						

<sup>1</sup>Irrigated areas shown under "Supplemental enterprises" are parts of irrigated areas in "Primary enterprises" (see text). <sup>2</sup>U.S. Dept. of the Interior. <sup>3</sup>For 1920 relates to total area. Irrigable area for that year was not reported. <sup>4</sup>For explanation of areas, see text.

TABLE 6.—ENTERPRISES, AREAS, AVERAGE COSTS, 1940; AND AREA IRRIGATED, 1939;  
BY TYPE OF ENTERPRISE

[For the 17 western States and Arkansas and Louisiana]

TYPE OF ENTERPRISE (For definitions and explanations, see text)	ENTERPRISES		AREAS		AVERAGE COST				AREA IRRIGATED, 1939 <sup>1</sup>				
	Total	Serving 5 or more units <sup>2</sup>	Irrigable	Works were capable of supplying with water	Primary enterprises		Supplemental enterprises		Units served <sup>2</sup>	Total area	Cropland		Irrigated pasture
					Works and equipment per acre <sup>3</sup>	Maintenance and operation per acre <sup>4</sup>	Works and equipment per acre <sup>3</sup>	Maintenance and operation per acre <sup>4</sup>			From which crops were harvested	On which crops failed	
Total.....	Number 91,637	Number 5,732	Acres 31,305,949	Acres 28,055,248	Dollars 33.53	Dollars 2.14	Dollars 19.84	Dollars 0.85	Number 430,022	Acres 21,003,739	Acres 18,300,138	Acres 256,188	Acres 2,444,413
Individual and partnership.....	86,050	1,093	10,137,716	9,639,198	17.40	2.65	21.22	3.33	90,037	7,314,152	6,001,250	78,234	1,234,668
Cooperative, incorporated.....	2,678	2,418	7,464,492	6,918,052	25.82	1.28	17.19	0.39	126,490	5,743,545	5,150,308	89,006	474,231
Cooperative, unincorporated.....	1,678	1,283	1,118,859	1,078,184	14.03	0.75	12.74	0.18	21,804	908,943	744,319	14,700	149,924
Irrigation district.....	427	422	5,987,191	4,969,385	51.30	2.46	11.13	0.34	108,277	3,514,702	3,237,145	39,843	237,714
Reclamation district.....	14	11	137,526	136,276	17.82	2.82	0.61	0.23	311	59,052	56,735	250	2,067
Commercial.....	275	239	2,551,707	1,961,202	28.56	3.57	30.00	0.84	19,210	1,017,781	948,940	5,636	63,305
U. S. Bureau of Reclamation <sup>5</sup> .....	97	96	2,794,102	2,349,987	89.78	2.12	22.00	0.35	43,517	1,524,004	1,628,892	25,485	171,627
U. S. Office of Indian Affairs.....	186	117	1,185,449	802,996	60.23	1.93	.....	.....	16,254	515,765	467,816	2,339	105,610
State.....	143	6	44,591	37,948	28.73	3.82	257.51	.....	154	17,022	14,985	879	1,378
City and/or sewage.....	62	43	158,271	154,219	34.12	3.02	41.81	0.64	5,155	63,457	77,866	3,061	2,530
Other.....	25	4	16,251	13,811	12.70	1.66	.....	.....	69	5,316	3,902	55	1,359

<sup>1</sup>Reported by enterprises in the Census of Irrigation, 1940, not by the Census of Agriculture. <sup>2</sup>Schedules called for "Number of farms," see explanation in text. <sup>3</sup>Based on area works were capable of supplying with water and cost of works and equipment exclusive of water right investment. <sup>4</sup>Based on irrigated area in enterprises reporting maintenance and operation in 1939. <sup>5</sup>For explanation of areas and investment, see text.

TABLE 7.—INVESTMENT IN IRRIGATION ENTERPRISES, BY TYPE OF ENTERPRISE: 1940, 1930, AND 1920

[For the 17 western States and Arkansas and Louisiana]

TYPE OF ENTERPRISE (For definitions and explanations, see text)	TOTAL INVESTMENT, TO JANUARY 1							Increase or decrease (-) 1930-40	AVERAGE INVESTMENT PER ACRE WORKS WERE CAPABLE OF SUPPLYING WATER		Capital expenditures during 1939 <sup>1</sup>	Estimated investment required to complete works
	1940				1930	1920	Percent		Primary enterprises	Supplemental enterprises		
	Total	Primary enterprises	Supplemental enterprises	Total cost of works and equipment								
Total.....	Dollars 3,052,049,201	Dollars 963,888,263	Dollars 88,160,938	Dollars 1,025,672,714	Dollars 26,376,487	Dollars 892,755,790	Dollars 697,657,328	Percent 17.8	Dollars 34.36	Dollars 20.65	Dollars 24,897,210	Dollars 74,496,486
Individual and partnership.....	187,982,730	170,366,731	17,013,999	184,571,636	2,811,094	187,867,180	154,634,169	-0.3	17.69	21.31	79,149	4,307,879
Cooperative, incorporated.....	206,969,498	189,434,484	17,535,014	193,742,284	13,227,214	179,329,962	183,041,500	25.0	27.38	19.95	1,233,608	3,600,687
Cooperative, unincorporated.....	17,171,378	15,648,066	1,523,312	16,550,668	620,712	.....	.....	.....	14.51	13.68	102,577	438,335
Irrigation district.....	265,737,810	250,701,900	5,035,910	258,961,654	5,776,156	210,733,476	88,573,514	26.1	52.46	11.15	9,786,698	12,446,829
Reclamation district.....	2,413,740	2,393,108	20,632	2,408,740	5,000	.....	.....	.....	17.56	0.91	5,476	24,500
Commercial.....	66,243,823	59,250,003	6,993,820	62,981,424	3,252,399	62,351,714	85,735,470	6.2	30.21	30.04	656,883	1,811,209
U. S. Bureau of Reclamation <sup>5</sup> .....	250,245,359	211,046,133	39,199,225	249,714,587	530,772	193,989,576	129,609,619	29.0	89.81	22.24	8,127,211	12,955,672
U. S. Office of Indian Affairs.....	48,420,058	48,420,058	.....	48,365,692	54,366	31,576,620	14,851,236	53.3	60.30	.....	4,821,135	38,871,503
State.....	1,650,272	1,135,247	515,025	1,603,993	46,379	1,046,954	344,174	57.7	29.82	257.51	67,283	28,425
City and/or sewage.....	5,631,467	5,307,467	324,000	5,585,336	46,131	15,511,463	2,936,678	-63.7	34.42	41.91	17,791	5,000
Other.....	183,058	183,056	.....	176,802	6,264	10,348,945	38,030,768	-98.2	13.26	.....	400	6,447

<sup>1</sup>Only for enterprises serving 5 or more units.

<sup>2</sup>Revised.

<sup>3</sup>For explanation of investment, see text.