

TABLE 3.—IRRIGATION ENTERPRISES, AREA EXISTING IRRIGATION WORKS WERE CAPABLE OF SUPPLYING WITH WATER, AREA IRRIGABLE IN ENTERPRISES, AND ESTIMATED COMPLETED COST OF EXISTING ENTERPRISES, 1910 TO 1940; FARMS IRRIGATED, AREA IRRIGATED, AND CAPITAL INVESTED, 1890 TO 1940: BY STATES

(For the 17 western States and Arkansas and Louisiana. See chart IX)

ITEM	CENSUS OF—							
	1890	1900	1910	1920	1930	1940		
						Total	Primary enterprises	Supplemental enterprises
	SUMMARY (19 STATES)							
Irrigation enterprises—number			56,858	65,298	75,517	81,637	80,502	11,155
Farms irrigated ¹ —number	54,156	113,849	182,723	222,789	265,147	291,655	291,655	
Area irrigated—acres	3,715,945	7,744,482	14,455,285	19,191,716	19,547,544	21,005,739	21,005,739	3,287,210
Area existing irrigation works were capable of supplying with water—acres			20,285,405	26,020,477	26,101,890	28,055,248	28,055,248	4,268,394
Area irrigable in enterprises—acres			² 32,245,464	² 55,890,821	30,599,470	31,305,949		
Capital invested in irrigation enterprises—dollars	29,555,921	70,010,594	321,454,008	697,657,328	892,755,790	1,052,049,201	963,888,265	88,160,958
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 7.95	³ 9.04	15.85	26.81	34.20	37.50	34.56	20.65
Estimated completed cost of existing enterprises—dollars			434,948,825	819,778,005	1,015,108,210	1,126,545,687		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			1.07	2.45	2.77	2.28	2.14	0.95
	BY STATES							
California:								
Irrigation enterprises—number			13,970	24,115	38,117	39,975	31,735	8,242
Farms irrigated ¹ —number	13,782	25,675	39,352	67,591	85,794	84,310	84,310	
Area irrigated—acres	1,004,233	1,446,114	2,664,104	4,219,040	4,746,632	5,069,568	5,069,568	455,342
Area existing irrigation works were capable of supplying with water—acres			³ 5,619,378	5,894,466	6,815,250	7,398,576	7,398,576	624,550
Area irrigable in enterprises—acres			² 5,490,360	² 7,805,207	8,075,895	8,039,175		
Capital invested in irrigation enterprises—dollars	15,004,817	19,181,610	72,580,050	194,686,588	310,967,979	318,889,218	500,164,056	18,725,182
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 12.95	³ 13.26	20.05	33.06	45.63	45.10	40.57	29.98
Estimated completed cost of existing enterprises—dollars			84,392,344	225,799,123	325,930,535	327,595,311		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			1.54	4.40	6.10	4.73	4.39	3.69
Colorado:								
Irrigation enterprises—number			9,065	6,654	6,509	8,713	7,084	1,629
Farms irrigated ¹ —number	9,659	17,613	25,857	28,756	31,288	29,766	29,766	
Area irrigated—acres	890,735	1,611,271	2,792,032	3,348,385	3,393,619	3,220,685	3,220,685	628,015
Area existing irrigation works were capable of supplying with water—acres			³ 3,990,166	3,855,348	4,078,712	3,913,542	3,913,542	738,232
Area irrigable in enterprises—acres			² 5,917,457	² 5,220,588	4,528,251	4,283,250		
Capital invested in irrigation enterprises—dollars	6,368,755	11,758,703	56,656,443	88,302,442	87,603,240	106,849,343	92,871,122	13,978,221
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 7.15	³ 7.30	14.19	22.90	21.48	27.30	23.73	18.95
Estimated completed cost of existing enterprises—dollars			76,443,239	95,198,423	91,845,804	109,808,466		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.75	0.87	0.85	0.81	0.65	0.82
Idaho:								
Irrigation enterprises—number			3,092	3,629	3,222	3,625	3,437	188
Farms irrigated ¹ —number	4,323	9,188	16,439	25,285	27,953	29,898	29,898	
Area irrigated—acres	217,005	608,718	1,430,848	2,468,806	2,181,250	2,277,857	2,277,857	910,002
Area existing irrigation works were capable of supplying with water—acres			³ 2,388,959	3,092,810	2,617,021	2,595,534	2,595,534	1,055,582
Area irrigable in enterprises—acres			² 3,548,573	² 3,780,048	2,814,048	2,870,023		
Capital invested in irrigation enterprises—dollars	1,029,000	5,120,399	40,977,688	91,501,009	84,500,354	102,585,798	89,034,966	13,550,832
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.74	³ 8.41	17.15	29.59	32.29	39.55	34.33	12.86
Estimated completed cost of existing enterprises—dollars			58,451,106	97,019,717	101,350,250	109,513,311		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.63	1.17	1.44	1.11	1.02	0.23
Montana:								
Irrigation enterprises—number			5,554	6,035	4,461	5,555	5,501	54
Farms irrigated ¹ —number	3,706	8,043	8,970	10,807	11,925	15,087	15,087	
Area irrigated—acres	350,582	951,154	1,679,084	1,681,729	1,584,912	1,711,409	1,711,409	168,863
Area existing irrigation works were capable of supplying with water—acres			³ 2,205,155	2,753,498	2,276,000	2,344,390	2,344,390	234,269
Area irrigable in enterprises—acres			² 3,515,602	² 4,329,148	2,622,423	2,588,214		
Capital invested in irrigation enterprises—dollars	1,623,195	4,685,073	22,970,958	52,143,363	50,319,204	67,352,505	61,882,978	5,469,527
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.63	³ 4.92	10.42	18.94	22.11	28.73	26.40	23.35
Estimated completed cost of existing enterprises—dollars			32,882,077	70,079,028	58,489,575	75,174,645		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.89	1.26	0.87	0.73	0.72	0.12
Wyoming:								
Irrigation enterprises—number			5,577	3,564	2,651	3,385	3,319	66
Farms irrigated ¹ —number	1,917	3,721	6,297	6,449	7,308	8,637	8,637	
Area irrigated—acres	229,676	605,878	1,135,302	1,207,982	1,236,155	1,486,498	1,486,498	93,581
Area existing irrigation works were capable of supplying with water—acres			³ 1,639,510	1,881,039	1,655,008	1,913,527	1,913,527	163,090
Area irrigable in enterprises—acres			² 2,224,298	² 2,564,668	1,958,147	2,277,046		
Capital invested in irrigation enterprises—dollars	831,427	3,973,165	17,700,980	34,326,328	35,153,187	41,522,801	39,955,803	1,566,998
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 3.62	³ 6.56	10.80	18.75	21.24	21.70	20.88	9.61
Estimated completed cost of existing enterprises—dollars			20,425,890	51,500,288	41,970,416	48,539,665		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.86	1.04	0.84	0.59	0.57	0.34
Texas:								
Irrigation enterprises—number			2,772	1,371	1,728	4,040	4,021	19
Farms irrigated ¹ —number	623	1,325	5,238	5,974	10,861	19,568	19,568	
Area irrigated—acres	18,419	49,652	451,130	586,120	798,917	1,045,224	1,045,224	66,909
Area existing irrigation works were capable of supplying with water—acres			³ 690,991	³ 1,150,542	1,177,415	1,773,812	1,773,812	139,231
Area irrigable in enterprises—acres			² 1,258,173	² 1,687,447	1,566,876	2,180,796		
Capital invested in irrigation enterprises—dollars		1,027,608	15,487,347	35,072,739	49,022,184	66,441,576	64,500,468	2,140,888
Average investment per acre based on area existing works were capable of supplying with water—dollars		³ 20.70	19.52	30.48	41.64	37.46	36.25	15.38
Estimated completed cost of existing enterprises—dollars			14,754,172	39,860,871	59,555,624	67,319,032		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			3.25	6.92	4.74	3.89	3.68	0.64

¹ Number of farms irrigated as reported in the Census of Agriculture, 1940. were not reported.

³ Not shown graphically.

² For 1910 and 1920, relates to total area in enterprises. Areas irrigable for those years

SPECIFIED IRRIGATION CENSUS STATISTICS

TABLE 3.—IRRIGATION ENTERPRISES, AREA EXISTING IRRIGATION WORKS WERE CAPABLE OF SUPPLYING WITH WATER, AREA IRRIGABLE IN ENTERPRISES, AND ESTIMATED COMPLETED COST OF EXISTING ENTERPRISES, 1910 TO 1940; FARMS IRRIGATED, AREA IRRIGATED, AND CAPITAL INVESTED, 1890 TO 1940; BY STATES—Continued

(For the 17 western States and Arkansas and Louisiana. See chart IX)

ITEM	CENSUS OF—							
	1890	1900	1910	1920	1930	1940		
						Total	Primary enterprises	Supplemental enterprises
BY STATES—Continued								
Utah:								
Irrigation enterprises—number			2,472	2,405	2,714	2,401	2,254	147
Farms irrigated ¹ —number	9,724	17,624	19,709	22,218	23,847	22,612	22,612	
Area irrigated—acres	265,475	629,295	999,410	1,371,651	1,524,125	1,176,116	1,176,116	322,994
Area existing irrigation works were capable of supplying with water—acres			1,250,246	1,700,550	1,542,475	1,557,714	1,357,714	370,284
Area irrigable in enterprises—acres			² 1,947,825	² 2,359,244	1,759,869	1,432,535		
Capital invested in irrigation enterprises—dollars	2,780,000	5,865,502	14,028,717	52,037,351	35,669,819	41,896,532	29,219,904	12,676,628
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 10.55	³ 9.52	11.22	18.84	23.15	30.86	21.52	34.23
Estimated completed cost of existing enterprises—dollars			17,840,775	33,835,641	37,857,011	43,580,966		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.65	1.08	1.00	0.85	0.77	0.26
Oregon:								
Irrigation enterprises—number			3,745	4,710	4,066	5,884	5,788	96
Farms irrigated ¹ —number	3,150	4,636	6,669	9,154	11,587	16,159	16,159	
Area irrigated—acres	177,944	388,310	686,129	986,162	898,713	1,049,176	1,049,176	104,970
Area existing irrigation works were capable of supplying with water—acres			850,526	1,544,046	1,158,210	1,261,061	1,261,061	141,558
Area irrigable in enterprises—acres			² 2,327,208	² 1,925,987	1,478,128	1,441,417		
Capital invested in irrigation enterprises—dollars	825,660	1,843,771	12,760,214	28,829,151	38,754,548	50,961,251	46,726,513	4,234,858
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.64	³ 4.75	15.36	21.52	33.46	40.41	37.05	29.82
Estimated completed cost of existing enterprises—dollars			59,216,619	41,585,742	60,039,939	53,884,430		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.75	1.19	1.41	1.25	1.18	0.75
Nebraska:								
Irrigation enterprises—number			474	470	721	2,717	2,455	262
Farms irrigated ¹ —number	214	1,932	1,852	3,021	4,602	6,913	6,913	
Area irrigated—acres	11,744	148,538	255,950	442,690	532,617	610,379	610,379	171,633
Area existing irrigation works were capable of supplying with water—acres			429,225	562,468	703,641	992,957	992,957	316,750
Area irrigable in enterprises—acres			² 680,135	² 766,768	765,059	1,095,567		
Capital invested in irrigation enterprises—dollars	47,798	1,310,698	7,798,310	13,909,185	21,586,519	39,056,207	36,191,786	2,864,421
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.07	³ 8.82	18.17	24.75	30.59	39.53	36.45	9.04
Estimated completed cost of existing enterprises—dollars			9,485,251	18,030,154	21,465,772	41,995,361		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			1.09	1.48	1.54	1.59	1.59	0.70
Arizona:								
Irrigation enterprises—number			1,269	1,388	1,270	1,911	1,768	143
Farms irrigated ¹ —number	1,075	2,981	4,841	6,605	8,323	10,339	10,339	
Area irrigated—acres	65,821	185,396	320,051	467,565	575,590	653,263	653,263	73,806
Area existing irrigation works were capable of supplying with water—acres			387,655	627,503	824,132	844,212	844,212	113,551
Area irrigable in enterprises—acres			² 944,090	² 815,135	1,085,627	1,104,645		
Capital invested in irrigation enterprises—dollars	465,000	4,458,532	17,677,966	33,498,094	73,328,197	85,526,608	81,015,378	2,511,250
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 7.06	³ 25.94	45.60	53.40	88.97	98.94	95.97	22.16
Estimated completed cost of existing enterprises—dollars			24,828,868	54,615,064	91,915,550	108,980,519		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.93	5.27	4.57	5.00	4.92	5.51
Nevada:								
Irrigation enterprises—number			1,547	1,015	1,245	1,464	1,453	11
Farms irrigated ¹ —number	1,167	1,906	2,406	2,718	3,051	3,264	3,264	
Area irrigated—acres	224,403	504,168	701,853	561,447	486,648	739,863	739,863	84,722
Area existing irrigation works were capable of supplying with water—acres			840,962	704,708	756,249	841,304	841,304	123,845
Area irrigable in enterprises—acres			² 1,232,142	² 1,582,056	985,717	915,689		
Capital invested in irrigation enterprises—dollars	1,700,975	1,537,559	6,721,924	14,754,280	15,457,951	16,906,790	15,393,439	3,513,351
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 7.58	³ 5.05	7.99	20.94	21.00	20.10	15.92	28.57
Estimated completed cost of existing enterprises—dollars			12,188,756	22,648,747	18,469,603	18,129,554		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.97	0.79	0.91	0.48	0.45	0.46
Louisiana:								
Irrigation enterprises—number			1,237	1,373	2,332	2,556	2,550	16
Farms irrigated ¹ —number		4,531	2,690	6,471	5,588	7,037	7,037	
Area irrigated—acres	84,377	201,685	380,200	454,882	450,901	447,095	447,095	2,579
Area existing irrigation works were capable of supplying with water—acres			553,220	728,742	795,165	759,915	759,915	4,342
Area irrigable in enterprises—acres			² 381,965	² 651,211	850,401	795,674		
Capital invested in irrigation enterprises—dollars		2,529,319	6,839,166	14,065,181	15,744,745	11,565,513	11,548,812	16,701
Average investment per acre based on area existing works were capable of supplying with water—dollars		³ 12.54	12.40	19.50	19.80	16.22	15.20	5.85
Estimated completed cost of existing enterprises—dollars			6,914,166	14,264,178	15,771,003	11,639,725		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars				7.01	4.09	3.65	3.64	1.51
New Mexico:								
Irrigation enterprises—number			2,786	2,391	1,965	2,503	2,451	52
Farms irrigated ¹ —number	3,085	9,128	12,795	11,590	14,347	15,811	15,811	
Area irrigated—acres	91,745	203,893	461,718	538,377	527,033	554,039	554,039	5,123
Area existing irrigation works were capable of supplying with water—acres			644,970	696,119	656,669	731,990	731,990	5,912
Area irrigable in enterprises—acres			² 1,102,297	² 961,879	741,245	807,656		
Capital invested in irrigation enterprises—dollars	511,957	4,165,312	9,154,897	18,210,412	19,834,380	32,735,997	32,629,295	106,704
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 5.58	³ 20.43	14.19	26.16	30.20	44.72	44.58	18.05
Estimated completed cost of existing enterprises—dollars			11,640,091	20,440,646	21,942,450	36,775,159		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars				1.36	2.41	2.15	2.11	2.00

¹ Number of farms irrigated as reported in the Census of Agriculture, 1940. were not reported. ³ Not shown graphically.

² For 1910 and 1920, relates to total area in enterprises. Areas irrigable for those years

TABLE 3.—IRRIGATION ENTERPRISES, AREA EXISTING IRRIGATION WORKS WERE CAPABLE OF SUPPLYING WITH WATER, AREA IRRIGABLE IN ENTERPRISES, AND ESTIMATED COMPLETED COST OF EXISTING ENTERPRISES, 1910 TO 1940; FARMS IRRIGATED, AREA IRRIGATED, AND CAPITAL INVESTED, 1890 TO 1940; BY STATES—Continued

(For the 17 western States and Arkansas and Louisiana. See chart IX)

ITEM	CENSUS OF—							
	1890	1900	1910	1920	1930	1940		
						Total	Primary enterprises	Supplemental enterprises
BY STATES—Continued								
Washington:								
Irrigation enterprises—number			1,954	2,692	2,986	4,120	5,987	153
Farms irrigated ¹ —number	1,046	5,513	7,664	13,271	15,949	17,426	17,426	
Area irrigated—acres	48,799	155,470	354,378	529,899	499,283	615,015	615,015	184,664
Area existing irrigation works were capable of supplying with water—acres			470,514	657,151	651,511	751,527	751,527	219,009
Area irrigable in enterprises—acres			² 817,032	² 856,795	915,379	837,096		
Capital invested in irrigation enterprises—dollars	196,660	1,722,569	16,219,149	29,299,011	40,561,895	56,415,196	49,681,624	6,533,572
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.05	³ 12.71	34.47	45.98	64.25	77.12	68.19	29.83
Estimated completed cost of existing enterprises—dollars			22,322,856	37,664,591	53,232,477	58,141,097		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			3.08	3.45	4.14	2.80	2.78	0.51
Arkansas:								
Irrigation enterprises—number			510	944	1,045	1,298	1,295	5
Farms irrigated ¹ —number		20	252	1,166	1,096	1,529	1,529	
Area irrigated—acres	9	25	27,753	143,946	151,787	161,601	161,601	341
Area existing irrigation works were capable of supplying with water—acres			47,156	179,013	209,942	287,765	287,765	1,266
Area irrigable in enterprises—acres			² 52,688	² 246,460	225,992	314,829		
Capital invested in irrigation enterprises—dollars			587,654	7,165,322	6,856,648	5,766,895	5,752,045	14,850
Average investment per acre based on area existing works were capable of supplying with water—dollars			12.47	40.13	32.56	20.04	19.99	11.73
Estimated completed cost of existing enterprises—dollars			612,634	7,293,522	6,844,092	5,878,930		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars				13.67	7.05	5.46	5.45	5.20
Kansas:								
Irrigation enterprises—number			716	209	500	1,066	988	78
Farms irrigated ¹ —number	519	929	1,006	504	683	1,578	1,578	
Area irrigated—acres	20,818	23,620	37,479	47,312	71,290	99,980	99,980	13,666
Area existing irrigation works were capable of supplying with water—acres			139,995	67,853	85,583	142,409	142,409	19,165
Area irrigable in enterprises—acres			² 161,300	² 102,562	95,719	147,226		
Capital invested in irrigation enterprises—dollars	84,729	529,755	1,565,563	2,067,381	1,685,652	2,133,886	1,896,991	256,895
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.07	³ 22.43	9.75	30.47	20.17	15.12	13.52	13.41
Estimated completed cost of existing enterprises—dollars			1,565,563	2,195,981	1,723,872	2,255,579		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			1.59	3.29	1.53	2.59	2.29	2.18
South Dakota:								
Irrigation enterprises—number			395	292	121	274	274	
Farms irrigated ¹ —number	189	606	500	1,198	763	967	967	
Area irrigated—acres	15,717	43,676	65,248	100,682	67,107	60,198	60,198	
Area existing irrigation works were capable of supplying with water—acres			128,481	150,914	109,550	121,847	121,847	
Area irrigable in enterprises—acres			² 201,625	² 188,382	122,510	125,961		
Capital invested in irrigation enterprises—dollars	63,968	284,747	3,043,140	5,465,248	4,502,117	5,395,610	5,395,610	
Average investment per acre based on area existing works were capable of supplying with water—dollars	³ 4.07	³ 6.52	23.69	36.21	41.10	44.28	44.28	
Estimated completed cost of existing enterprises—dollars			3,800,556	5,500,748	5,174,417	5,432,954		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.64	1.26	1.33	1.28	1.28	
North Dakota:								
Irrigation enterprises—number			49	30	23	80	80	
Farms irrigated ¹ —number	7	54	69	340	113	479	479	
Area irrigated—acres	445	4,872	10,248	12,072	9,392	21,615	21,615	
Area existing irrigation works were capable of supplying with water—acres			21,917	34,235	24,008	36,522	36,522	
Area irrigable in enterprises—acres			² 58,173	² 57,476	24,860	39,558		
Capital invested in irrigation enterprises—dollars		16,980	856,482	1,857,118	1,267,314	1,755,469	1,755,469	
Average investment per acre based on area existing works were capable of supplying with water—dollars		5.49	38.17	54.25	52.79	48.07	48.07	
Estimated completed cost of existing enterprises—dollars			856,482	2,072,786	1,843,911	1,785,539		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			28.40	5.50	1.97	1.41	1.41	
Oklahoma:								
Irrigation enterprises—number			114	53	77	120	120	
Farms irrigated ¹ —number		124	137	73	99	275	275	
Area irrigated—acres		2,759	4,388	2,969	1,573	4,180	4,180	
Area existing irrigation works were capable of supplying with water—acres			6,397	9,672	7,331	8,624	8,624	
Area irrigable in enterprises—acres			² 8,528	² 11,742	7,344	13,494		
Capital invested in irrigation enterprises—dollars		21,872	47,200	151,325	160,099	272,186	272,186	
Average investment per acre based on area existing works were capable of supplying with water—dollars		³ 7.93	7.38	15.65	21.84	31.56	31.56	
Estimated completed cost of existing enterprises—dollars			47,200	162,775	167,909	299,488		
Average annual cost per acre irrigated for maintenance and operation of irrigation works—dollars			0.51	2.92	7.62	3.35	3.35	

¹Number of farms irrigated as reported in the Census of Agriculture, 1940. ²For 1910 and 1920, relates to total area in enterprises. Areas irrigable for those years were not reported. ³Not shown graphically.