

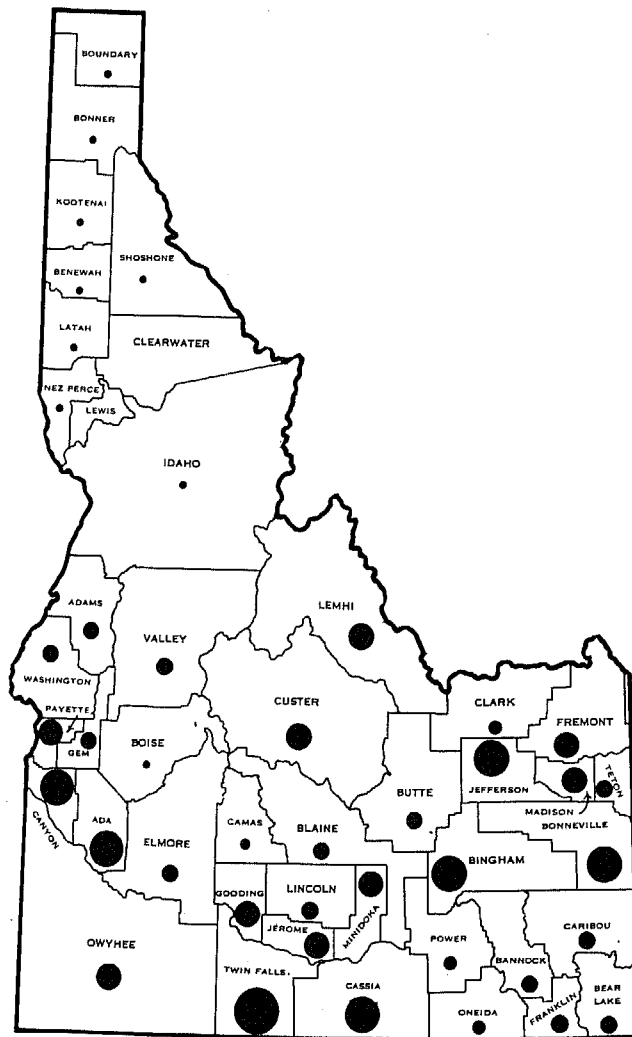
IRRIGATION OF AGRICULTURAL LANDS

IDAHO

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LEGEND

- LESS THAN 5,000 ACRES
- 5,000 9,999 ACRES
- 10,000 19,999 ACRES
- 20,000 49,999 ACRES
- 50,000 99,999 ACRES
- 100,000 199,999 ACRES
- 200,000 299,999 ACRES

IDAHO: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949

State Table 1.—IRRIGATION SUMMARY: 1890 TO 1950

Census year	All farms ¹ (number)	All land in farms ¹ (acres)	Irrigated farms ^{1 2} (number)	Irrigated acreage reported by—		Irrigation enterprises (number)	Total capital investment in irrigation enterprises (dollars)
				Farms ¹ (acres)	Irrigation enterprises (acres)		
1950.....	40,284	13,224,192	29,413	2,137,237	2,167,879	4,621	129,973,554
1945.....	41,498	12,503,332	28,571	2,026,280	(*)	(*)	(*)
1940.....	43,663	10,297,745	29,898	³ 1,895,048	2,277,857	3,625	102,585,798
1935.....	45,113	9,951,661	28,350	⁴ 1,388,200	(*)	(*)	(*)
1930.....	41,674	9,346,908	27,953	⁵ 1,634,321	2,181,250	3,222	84,500,354
1920.....	42,106	8,375,873	25,283	(**)	2,488,806	3,629	91,501,009
1910.....	30,807	5,283,604	16,439	(**)	1,430,848	3,092	40,977,688
1900.....	17,471	3,204,903	9,188	608,718	(*)	(*)	5,120,399
1890.....	6,603	1,302,256	4,323	217,005	(*)	(*)	1,029,000

* Not available.
 ** Available data not comparable.
¹ Census of Agriculture.
² Farms reporting irrigated land, 1950, 1945, 1900, and 1890 Censuses; farms reporting irrigated cropland harvested, and/or irrigated pasture, 1940 Census; farms reporting irrigated cropland harvested, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.
³ Irrigated land from which crops were harvested plus 316,307 acres of irrigated land used only for pasture.
⁴ Irrigated land from which crops were harvested.
⁵ Acreage of irrigated crops including some duplication where 2 or more crops were harvested from the same land.

State Table 2.—CHARACTERISTICS OF IRRIGATION ENTERPRISES: 1920 TO 1950

[For interstate enterprises, data represent characteristics within the State]

Item (For definitions and explanations, see text)	Census of—			
	1950	1940	1930	1920
Enterprises.....total number..	4,621	3,625	3,222	3,629
Enterprises by type:				
Single-farm.....number..	3,557	3,143	2,812	(*)
Mutual:				
Unincorporated.....number..	648	116		(*)
Incorporated.....number..	348	289	353	(*)
Commercial.....number..	3	5		(*)
District.....number..	54	51	43	(*)
U. S. Bureau of Reclamation ¹.....number..	4	13	3	(*)
U. S. Bureau of Indian Affairs.....number..	6	6	6	(*)
State.....number..	1	1	1	(*)
City.....number..	1	1	1	(*)
Other.....number..	1	1	4	(*)
Irrigated land, total ².....acres..	2,167,879	2,277,857	2,181,250	2,488,806
Acreage irrigated, by type of enterprise: ³				
Single-farm.....acres..	347,620	333,516	327,488	513,350
Mutual:				
Unincorporated.....acres..	220,841	67,522		
Incorporated.....acres..	1,035,999	1,205,821	1,198,482	938,421
Commercial.....acres..	450	8,719		6,503
District.....acres..	567,261	348,363	304,010	355,995
U. S. Bureau of Reclamation ¹.....acres..	39,037	1,187,353	275,954	253,759
U. S. Bureau of Indian Affairs.....acres..	32,418	34,965	34,991	36,775
State.....acres..		600	125	10
City.....acres..	26	1,000		160
Other.....acres..			40,200	383,833
Acreage irrigated, by source of water: ^{3 4}				
Streams (and lakes).....acres..	2,166,130	3,095,102	2,125,320	2,396,288
Springs.....acres..	77,228	58,425	24,233	33,337
Flowing wells.....acres..	84,195	5,769	3,743	3,058
Pumped wells.....acres..	284,679	49,222	76,675	771
Sewage.....acres..	495	160	15	80
Other and not reported.....acres..	557,314	60,326	35,028	57,556
Irrigated land artificially drained.....acres..	292,594	238,907	202,575	81,187
Irrigated land in need of drainage.....acres..	120,390	29,042	48,995	94,934
Irrigation works:				
Diversion dams.....total number..	5,121	3,209	2,305	2,872
Reservoirs.....number..	364	290	155	249
Total capacity (reported).....acre-feet..	5,124,966	3,795,272	3,645,373	3,493,511
Reservoir dams.....total number..	364	260	152	288
Canals and ditches.....total length, miles..	15,159	13,602	14,344	17,298
Pipe lines.....total length, miles..	487	300	263	181
Flowing wells.....number..	458	375	220	142
Pumped wells.....number..	888	309	121	53
Average pumping lift (reported).....feet..	50	29	(*)	(*)
Pumps.....number..	2,151	675	465	232
Average pumping lift from all sources.....feet..	(*)	26	32	29
Capital investment, total.....dollars..	129,973,554	102,585,798	84,500,354	91,501,009
Capital investment by type of enterprise:				
Single-farm.....dollars..	6,658,881	2,922,197	3,473,615	5,747,004
Mutual:				
Unincorporated.....dollars..	1,193,208	672,834		36,576,664
Incorporated.....dollars..	44,335,587	40,861,551	34,785,666	698,179
Commercial.....dollars..	117,160	113,660		11,954,046
District.....dollars..	16,787,527	13,874,612	10,723,493	17,804,839
U. S. Bureau of Reclamation ¹.....dollars..	58,493,290	41,868,781	29,603,539	932,387
U. S. Bureau of Indian Affairs.....dollars..	2,307,401	2,192,163	1,746,397	1,000
State.....dollars..	60,000	60,000	900	14,300
City.....dollars..	20,500	20,000		17,772,590
Other.....dollars..			4,166,744	

* Not available.
¹ For 1950, not including Bureau of Reclamation projects operated by water users, which are classified under other types of enterprises.
² Acreage reported by irrigation enterprises. For 1950, acreage supplied primary irrigation; for 1940, acreage irrigated by "primary enterprises"; for 1920 and 1930, "primary" and "supplemental" irrigation not differentiated. (See text.)
³ For 1950, acreage reported by more than 1 type of enterprise, or from more than 1 source is included for each; for 1940, acreage reported by both "primary" and "supplemental" enterprises is included for each type of enterprise and for each source of water.
⁴ Data for 1940, 1930, and 1920 combined as follows: "Stored storm water" with "Streams and lakes;" "City water" and "Other mixed" with "Other and not reported."

IRRIGATION OF AGRICULTURAL LANDS

State Table 3 (Part 1 of 3).—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, other data represent characteristics within the State, except where otherwise noted. Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise]

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S.B.R. projects ¹	Commercial, Indian, State, city, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users ¹		
ENTERPRISES: FARMS AND LAND IRRIGATED									
Number of enterprises.....enterprises 1950..	4,621	3,557	648	348	54	4	11	101	10
.....1940..	3,625	3,143	116	289	51	13	(*)	(*)	13
Farms irrigated direct per enterprise.....farms 1949..	7.3	1.0	4.8	43.8	194.9	168.5	473.0	133.1	55.9
Area irrigated direct.....acres 1949..	2,243,652	347,620	220,841	1,035,999	567,261	39,037	279,161	887,869	32,894
.....acres 1939..	3,187,859	333,516	67,522	1,205,821	348,363	1,187,353	(*)	(*)	45,284
Average per enterprise.....acres 1949..	486	98	341	2,977	10,505	9,759	25,378	8,791	3,289
CHARACTERISTICS OF ENTERPRISES, 1949									
Multiple-purpose enterprises.....enterprises..	18	.....	3	4	7	3	3	15	1
Area irrigated direct.....acres..	147,518	.....	1,595	7,165	110,416	28,316	50,794	147,843	26
Complete-system enterprises.....enterprises..	3,512	2,892	442	149	21	.....	4	8	8
Area irrigated direct.....acres..	818,327	301,496	138,475	267,173	78,478	.....	12,592	43,739	32,705
Enterprises by origin of water supply:									
No water from other enterprises.....enterprises reporting..	3,624	2,926	486	173	25	4	4	.....	10
.....acres irrigated..	854,340	302,118	143,777	263,042	73,472	39,037	6,904	.....	32,894
Part of water from other enterprises.....enterprises reporting..	282	152	40	67	23	.....	6	.....	53
.....acres irrigated..	991,191	19,672	22,572	479,433	469,514	.....	252,061	648,954	.....
All water from other enterprises.....enterprises reporting..	715	479	122	108	6	.....	1	.....	48
.....acres irrigated..	398,121	25,830	54,492	293,524	24,275	.....	20,196	238,915	.....
Enterprises by delivery of irrigation water:									
No water delivered.....enterprises reporting..	22	22	.....	.....	.....	.....	.....	.....	.....
Water delivered direct to farms only.....enterprises reporting..	4,357	3,523	581	225	21	.....	4	45	7
.....acres irrigated..	1,018,682	346,998	198,901	321,982	121,806	.....	86,907	126,573	28,995
Water delivered to farms and to other enterprises.....enterprises reporting..	215	12	58	110	29	3	6	55	3
.....acres irrigated..	1,224,970	622	21,940	714,017	445,455	39,037	192,254	761,296	3,899
Water delivered to other enterprises only.....enterprises reporting..	27	.....	9	13	4	1	1	1	.....
Enterprises by primary and supplemental irrigation: ³									
All primary.....enterprises reporting..	4,121	3,282	564	220	43	3	5	55	9
.....acres irrigated..	1,280,867	332,678	189,741	340,040	346,698	39,037	29,826	276,900	32,673
Part primary, part supplemental.....enterprises reporting..	217	33	62	114	7	.....	5	45	1
.....acres irrigated..	887,012	1,703	19,150	650,587	215,426	.....	246,557	587,450	146
Supplemental irrigation.....acres irrigated..	63,127	2,551	10,232	45,132	5,137	.....	2,778	23,519	75
All supplemental.....enterprises reporting..	234	220	13	1	.....	.....	.....	.....	.....
.....acres irrigated..	12,646	10,688	1,718	240	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct:									
None.....enterprises reporting..	49	22	9	13	4	1	1	1	.....
1-3.....enterprises reporting..	3,893	3,528	351	12	.....	.....	.....	.....	2
4-9.....enterprises reporting..	294	7	212	70	1	1	.....	7	3
10-29.....enterprises reporting..	236	.....	73	145	15	.....	.....	31	3
30-99.....enterprises reporting..	102	.....	3	83	16	.....	2	40	.....
100-299.....enterprises reporting..	31	.....	.....	20	10	.....	5	13	1
300-999.....enterprises reporting..	10	.....	.....	3	5	1	1	6	1
1,000 or more.....enterprises reporting..	6	.....	.....	2	3	1	2	3	.....
Enterprises by acres irrigated direct:									
None.....enterprises reporting..	49	22	9	13	4	1	1	1	.....
1-29.....enterprises reporting..	1,368	1,331	33	2	.....	.....	.....	.....	2
30-99.....enterprises reporting..	1,347	1,214	123	9	.....	.....	.....	.....	1
100-499.....enterprises reporting..	1,328	896	356	66	6	1	.....	2	3
500-999.....enterprises reporting..	239	61	86	80	10	.....	2	8	2
1,000-2,999.....enterprises reporting..	187	28	39	112	8	.....	1	42	.....
3,000-9,999.....enterprises reporting..	75	5	2	54	13	.....	2	35	1
10,000-29,999.....enterprises reporting..	17	.....	.....	8	7	.....	1	2	1
30,000 or more.....enterprises reporting..	11	.....	.....	4	6	1	3	7	.....
USE OF SURFACE, GROUND, PUMPED AND STORED WATER, 1949									
Surface water:									
Gravity only.....enterprises reporting..	3,097	2,145	604	307	34	1	4	84	6
.....acres irrigated..	1,614,543	253,455	204,789	943,123	208,150	.....	30,962	729,540	5,026
Pumped only.....enterprises reporting..	727	693	12	14	8	.....	2	8	.....
.....acres irrigated..	64,529	33,534	3,223	22,018	5,754	.....	1,460	32,509	.....
Gravity and pumped.....enterprises reporting..	165	125	13	14	8	2	3	8	3
.....acres irrigated..	279,901	12,063	6,956	39,577	155,018	38,640	83,462	94,298	27,647
Ground water only (pumped from wells).....enterprises reporting..	460	435	17	7	.....	.....	.....	.....	1
.....acres irrigated..	38,986	28,686	5,193	4,886	.....	.....	.....	.....	221
Surface (gravity or pumped) and ground.....enterprises reporting..	172	159	2	6	4	1	2	1	.....
.....acres irrigated..	245,693	19,882	680	26,395	198,339	397	163,277	31,522	.....
Stored water:									
None stored.....enterprises reporting..	3,978	3,197	555	200	18	.....	3	20	8
.....acres irrigated..	769,104	305,808	177,574	247,547	35,776	.....	5,629	49,505	2,399
Part stored.....enterprises reporting..	433	183	80	133	31	4	8	81	2
.....acres irrigated..	1,402,236	28,479	36,578	743,431	524,216	39,037	273,532	838,364	30,495
All stored.....enterprises reporting..	210	177	13	15	5	.....	.....	.....	.....
.....acres irrigated..	72,312	13,333	6,689	45,021	7,269	.....	.....	.....	.....

* Not available.

¹ These enterprises also included under "District" or other types of enterprises as the case may be.

² Single-farm enterprises receiving water from Bureau of Reclamation not included.

³ For interstate enterprises, data represent characteristics within the State.

State Table 3 (Part 2 of 3)—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, data represent characteristics within the State except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S.B.R. projects ^{1,2}	Commercial, Indian, State, city, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users ¹		
SOURCES OF SURFACE WATER, 1949³									
Streams (and lakes).....enterprises reporting..	3,560	2,549	593	331	54	4	11	101	9
.....acres irrigated..	2,166,030	290,327	209,893	1,026,839	567,261	39,037	279,161	887,869	32,673
Springs.....enterprises reporting..	499	437	49	12	.....	.....	1	1	1
.....acres irrigated..	77,228	46,260	15,694	11,564	.....	.....	1,275	1,200	3,710
Flowing wells.....enterprises reporting..	176	157	7	9	3	.....	1	1	.....
.....acres irrigated..	84,195	12,152	930	18,789	59,324	.....	6,597	44,592	.....
Drainage water.....enterprises reporting..	324	264	33	20	7	.....	5	8	.....
.....acres irrigated..	557,314	20,265	9,484	373,779	153,786	.....	251,763	139,432	.....
Sewage.....enterprises reporting..	3	2	1	.....	.....	.....	.....	.....	.....
.....acres irrigated..	495	65	430	.....	.....	.....	.....	.....	.....
Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
DRAINAGE OF IRRIGATED LAND, 1949									
Irrigated land drained:									
Enterprises reporting.....enterprises..	335	195	52	71	15	2	5	16	.....
Area supplied primary irrigation.....acres..	827,602	30,488	15,994	348,641	394,533	37,946	251,727	379,359	.....
Area artificially drained.....acres..	292,594	10,598	8,852	80,998	186,846	5,300	100,870	107,427	.....
Irrigated land in need of drainage:									
Enterprises reporting.....enterprises..	472	295	70	88	16	2	4	16	1
Area supplied primary irrigation.....acres..	681,921	46,122	28,390	265,557	315,428	22,714	171,815	383,735	3,710
Area in need of drainage.....acres..	120,390	9,245	10,178	51,494	42,263	3,500	5,790	46,000	3,710
IRRIGATION WORKS, 1950									
Diversion dams.....enterprises reporting..	2,691	1,985	494	180	22	2	3	53	8
.....dams..	5,121	4,030	689	285	81	.....	7	66	34
Diversion dams by material:									
Concrete or masonry.....dams..	654	349	91	148	61	2	3	41	3
Timber.....dams..	562	416	105	30	7	.....	.....	9	4
Earth and rock.....dams..	3,628	3,031	466	95	10	.....	3	12	26
Other, mixed, and not reported.....dams..	277	234	27	12	3	.....	1	4	1
Reservoirs.....enterprises reporting..	275	215	18	30	10	2	2	3	.....
.....reservoirs..	364	274	20	44	17	7	4	3	2
Reservoirs for which capacity was reported.....number..	313	226	19	42	17	7	4	2	2
.....total capacity, acre-feet..	5,124,966	73,019	28,931	748,812	327,881	3,496,323	178,000	194,000	450,000
Reservoirs by capacity:									
1-99 acre-feet.....reservoirs..	167	155	8	4	.....	.....	.....	.....	.....
100-999 acre-feet.....reservoirs..	74	52	9	12	1	.....	.....	.....	.....
1,000 acre-feet and over.....reservoirs..	72	19	2	26	16	7	4	2	2
Reservoir dams by material:									
Concrete or masonry.....dams..	24	14	1	4	2	3	.....	.....	.....
Earth and rock.....dams..	280	212	16	32	14	4	4	2	2
Other, mixed, and not reported.....dams..	60	48	3	8	1	.....	.....	1	.....
Canals and ditches.....enterprises reporting..	2,526	1,533	610	325	47	3	10	101	8
.....total length, miles..	15,159	2,714	1,650	5,992	3,908	551	2,031	5,348	344
Pipelines and siphons.....enterprises reporting..	325	223	42	33	22	2	6	6	3
.....total length, miles..	487	232	11	36	140	35	93	8	31
Tunnels.....enterprises reporting..	13	.....	.....	10	2	.....	.....	.....	.....
.....total length, feet..	38,229	.....	.....	13,433	14,054	10,742	1,350	.....	.....
Flowing wells.....enterprises reporting..	172	155	7	7	3	.....	1	1	.....
.....wells..	458	376	14	28	40	.....	16	20	.....
Pumped wells.....enterprises reporting..	629	594	18	12	3	1	2	1	1
.....wells..	888	786	31	51	18	1	9	8	1
Wells for which pumping lift was reported.....wells..	800	706	31	50	12	.....	3	8	1
Average pumping lift.....feet..	50	52	53	29	41	.....	30	40	65
Irrigation pumps.....enterprises reporting..	1,496	1,397	35	40	18	2	7	17	4
.....pumps..	2,151	1,827	56	155	101	5	52	81	7
Electric motors used for pumping.....enterprises reporting..	1,305	1,210	32	40	18	1	7	17	4
.....electric motors..	1,920	1,595	52	159	103	4	52	82	7
Other motors and engines used for pumping.....enterprises reporting..	225	919	4	.....	1	1	1	.....	.....
.....other motors and engines..	253	246	5	.....	1	1	1	.....	.....
SEASON OF IRRIGATION, 1949									
Water delivered only before July 1.....enterprises reporting..	147	118	25	4	.....	.....	.....	.....	.....
.....acres irrigated..	19,152	10,917	3,730	4,505	.....	.....	.....	.....	.....
Water delivered before and after July 1.....enterprises reporting..	4,266	3,252	614	337	50	3	9	101	10
.....acres irrigated..	2,205,516	322,598	214,038	1,030,239	566,710	39,037	278,610	887,869	39,894
Water delivered only after July 1.....enterprises reporting..	134	121	4	5	4	.....	2	.....	.....
.....acres irrigated..	8,365	7,023	266	525	551	.....	551	.....	.....
CAPITAL INVESTMENT, 1950 AND 1940									
Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	102,585,798	2,922,197	672,834	40,861,551	13,874,612	41,868,781	(*)	(*)	2,385,873
New capital investment Jan. 1, 1940 to Jan. 1, 1950:									
Enterprises reporting.....enterprises 1950..	2,091	1,650	239	171	23	3	7	60	5
Amount.....dollars 1950..	27,387,756	3,736,584	520,374	3,474,036	2,912,915	16,624,509	3,077,645	666,957	119,238
Area irrigated direct.....acres 1949..	960,583	177,776	98,802	366,224	247,995	39,037	167,949	247,485	30,749
Total capital investment Jan. 1, 1950.....dollars 1950..	129,973,554	6,658,881	1,193,208	44,335,587	16,787,527	58,493,290	(*)	(*)	2,505,061
INDEBTEDNESS, 1950⁴									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	92	.....	3	52	35	2	11	21	.....
Amount.....dollars..	42,458,116	.....	27,140	4,464,984	20,835,702	17,130,290	18,613,543	5,608,947	.....
Area irrigated direct.....acres..	724,513	.....	3,375	502,682	179,419	39,037	279,161	265,275	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	4	.....	2	2	.....	.....	.....	.....	.....
Amount.....dollars..	3,240	.....	2,140	1,100	.....	.....	.....	.....	.....
Area irrigated direct.....acres..	1,200	.....	625	575	.....	.....	.....	.....	.....

* Not available.
¹ These enterprises also included under "District" or other types of enterprises as the case may be.
² Not including single-farm enterprises receiving water from Bureau of Reclamation projects.
³ Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the State.
⁴ Not reported by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

State Table 3 (Part 3 of 3).—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, data represent characteristics within the State except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S.B.R. projects ¹	Commercial, Indian, State, city, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users ²		
COST OF WATER TO FARMS, 1949³									
Total cost of water to farms:									
Enterprises reporting.....enterprises..	4,572	3,535	639	335	50	3	10	100	10
Cost.....dollars..	6,127,513	567,595	202,124	2,384,182	2,656,996	214,331	1,619,522	2,400,095	102,285
Area irrigated direct.....acres..	2,243,652	347,620	220,841	1,035,999	567,261	39,037	279,161	887,869	32,894
Cost per acre irrigated direct.....dollars..	2.73	1.63	0.92	2.30	4.68	5.49	5.80	2.70	3.11
Enterprises by cost per acre:									
Less than \$1.00.....enterprises reporting..	2,543	1,964	453	117	2			23	7
.....acres irrigated..	604,660	250,257	152,616	191,060	4,826			75,614	5,901
\$1.00-\$1.99.....enterprises reporting..	454	244	101	103	6			44	
.....acres irrigated..	352,861	22,662	36,099	218,405	75,695			200,334	
\$2.00-\$4.99.....enterprises reporting..	698	524	60	91	20		3	27	3
.....acres irrigated..	851,563	39,959	28,999	528,659	226,953		86,058	494,367	26,993
\$5.00-\$9.99.....enterprises reporting..	495	441	17	18	16	3	5	6	
.....acres irrigated..	408,123	22,864	2,248	88,364	255,610	39,037	191,277	117,554	
\$10.00 or more.....enterprises reporting..	382	362	8	6	6		2		
.....acres irrigated..	26,445	11,878	879	9,511	4,177		1,826		
Cost of water for primary irrigation:									
Enterprises reporting.....enterprises..	4,338	3,315	626	334	50	3	10	100	10
Cost.....dollars..	5,960,033	527,783	192,263	2,291,867	2,631,538	214,331	1,604,105	2,339,956	102,251
Area supplied primary irrigation.....acres..	2,167,879	334,381	208,891	990,627	562,124	39,037	276,383	864,350	32,819
Cost per acre supplied.....dollars..	2.75	1.58	0.92	2.31	4.68	5.49	5.80	2.70	3.12
Cost of water for supplemental irrigation:									
Enterprises reporting.....enterprises..	451	253	75	115	7		5	45	1
Cost.....dollars..	167,480	39,812	9,861	92,315	25,458		15,417	60,139	34
Area supplied supplemental irrigation.....acres..	75,773	13,239	11,950	45,372	5,137		2,778	23,519	75
Cost per acre supplied.....dollars..	2.21	3.01	0.83	2.03	4.96		5.54	2.55	0.45
Cost to farms for purposes other than operation and maintenance: ⁴									
Enterprises reporting.....enterprises..	196		59	101	34	1	9	43	1
Cost.....dollars..	1,407,636		41,970	403,924	917,268	43,528	648,557	502,414	946
Area irrigated direct.....acres..	925,655		34,693	347,661	488,597	27,919	277,886	389,269	26,785
Cost per acre irrigated.....dollars..	1.52		1.21	1.16	1.88	1.56	2.33	1.29	0.04
Arrearage in payments by farms 1, July 1950: ⁴									
Enterprises reporting.....enterprises..	136		14	89	30		9	42	3
Amount.....dollars..	318,779		1,113	34,998	264,608		218,066	38,648	18,060
Area irrigated direct.....acres..	797,508		8,103	406,869	355,348		115,884	500,904	27,188
QUANTITIES OF WATER REPORTED, 1949⁴									
Total obtained from all sources ⁵.....enterprises reporting..	957		557	334	53	4	11	101	9
.....acre-feet..	22,226,161		2,164,874	10,152,979	4,831,467	4,696,725	2,529,028	10,096,221	380,116
Surface sources.....enterprises reporting..	709		432	219	4	4	8	55	9
.....acre-feet..	14,411,794		1,755,148	4,560,135	3,021,004	4,695,391	201,417	5,670,581	380,116
Pumped wells.....enterprises reporting..	38		18	13	6	1	2	1	
.....acre-feet..	126,704		28,215	57,667	39,488	1,334	6,974	26,000	
Other enterprises.....enterprises reporting..	348		148	172	28		7	101	
.....acre-feet..	7,687,663		381,511	5,535,177	1,770,975		2,320,637	4,399,640	
Conveyance loss ⁵.....enterprises reporting..	893		521	309	51	3	11	100	9
.....acre-feet..	3,687,358		266,203	1,527,513	1,111,077	671,423	636,461	1,609,112	111,142
Delivered: ⁵									
Direct to farms.....enterprises reporting..	933		549	323	49	3	10	100	9
.....acre-feet..	10,046,095		971,509	5,507,177	2,929,933	430,382	1,323,511	5,158,804	207,094
To other enterprises.....enterprises reporting..	209		56	113	33	4	7	48	3
.....acre-feet..	8,209,304		917,156	3,049,312	719,787	3,470,181	513,866	3,315,241	52,868
For use other than irrigation.....enterprises reporting..	76		19	45	9	2	4	5	1
.....acre-feet..	283,404		10,006	68,977	70,670	124,739	55,190	13,064	9,012
Delivered direct to farms for primary irrigation:									
Enterprises reporting.....enterprises..	918		535	322	49	3	10	100	9
Quantity delivered.....acre-feet..	9,144,629		906,260	5,190,774	2,676,801	181,620	1,305,855	5,002,286	189,174
Area supplied primary irrigation.....acres..	1,781,557		177,887	970,527	561,433	39,037	276,383	864,350	32,673
Quantity per acre supplied.....acre-feet..	5.1		5.1	5.3	4.8	4.7	4.7	5.7	5.8
Delivered direct to farms for supplemental irrigation:									
Enterprises reporting.....enterprises..	183		64	113	6		5	45	
Quantity delivered.....acre-feet..	321,998		47,369	250,211	24,418		11,078	141,914	
Area supplied supplemental irrigation.....acres..	60,459		10,074	45,285	5,100		2,778	23,519	
Quantity per acre supplied.....acre-feet..	5.3		4.7	5.5	4.8		4.0	6.0	
Cost of water to farms for enterprises reporting quantity delivered:									
Cost for primary irrigation.....dollars..	5,366,627		172,194	2,253,443	2,624,474	214,331	1,604,105	2,339,956	102,185
Average cost per acre-foot.....dollars..	0.59		0.19	0.43	0.98	1.18	1.22	0.46	0.54
Cost for supplemental irrigation.....dollars..	126,953		9,558	91,937	25,458		15,417	60,139	
Average cost per acre-foot.....dollars..	0.39		0.20	0.37	1.04		1.39	0.42	
Measurement of water to farms:									
No water measured.....enterprises reporting..	643		463	163	9		1	21	8
.....acres..	311,220		131,928	165,028	8,337		1,275	46,414	5,927
Part of water measured.....enterprises reporting..	143		62	67	11	2	1	37	1
.....acres..	584,914		27,658	372,728	119,103	38,640	20,494	381,662	26,785
All water measured.....enterprises reporting..	226		94	102	29	1	8	43	
.....acres..	939,708		53,087	476,094	410,130	397	257,392	459,793	

¹ These enterprises also included under "District" or other types of enterprises as the case may be.

² Not including single-farm enterprises receiving water from Bureau of Reclamation projects.

³ Enterprises with reported cost of \$0 in 1949 are included.

⁴ Not reported by single-farm enterprises.

⁵ For interstate enterprises, data represent characteristics of the entire enterprise.

IRRIGATION OF AGRICULTURAL LANDS

State Table 4 (Part 2 of 3)—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises, data represent characteristics within the State, except where otherwise noted. Acreage irrigated by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²			
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
SOURCES OF SURFACE WATER⁴									
Streams (and lakes).....enterprises reporting..	2,489	2,112	233	.....	144	1,366	993	122	8
.....acres irrigated..	743,931	630,694	19,047	.....	94,190	52,069	274,223	294,910	122,729
Springs.....enterprises reporting..	462	425	11	.....	26	311	140	11	.....
.....acres irrigated..	67,865	62,832	126	.....	4,907	9,329	33,279	25,257	.....
Flowing wells.....enterprises reporting..	151	111	2	.....	38	107	39	5	.....
.....acres irrigated..	35,212	14,694	76	.....	20,442	2,829	8,703	23,680	.....
Drainage water.....enterprises reporting..	262	152	84	.....	26	197	61	4	.....
.....acres irrigated..	29,674	24,255	3,747	.....	1,672	5,988	16,892	6,794	.....
Sewage.....enterprises reporting..	3	3	.....	.....	.....	2	1	.....	.....
.....acres irrigated..	495	495	.....	.....	.....	65	430	.....	.....
Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
DRAINAGE OF IRRIGATED LAND									
Irrigated land drained:									
Enterprises reporting.....enterprises..	222	158	19	27	18	93	101	25	3
.....acres irrigated..	117,637	72,973	1,461	3,623	39,580	3,501	28,245	61,566	24,325
Acreage supplied primary irrigation.....acres..	32,094	22,456	984	2,190	6,464	2,354	13,628	14,112	2,000
Irrigated land in need of drainage:									
Enterprises reporting.....enterprises..	355	296	17	28	14	130	190	34	1
.....acres irrigated..	150,715	121,509	1,368	3,225	24,613	5,691	49,905	85,442	9,677
Acreage in need of drainage.....acres..	37,142	30,920	772	1,365	4,085	2,232	13,047	20,863	1,000
IRRIGATION WORKS									
Diversion dams.....enterprises reporting..	2,349	2,215	37	8	89	1,319	924	101	5
.....dams..	4,521	4,226	52	11	232	2,023	2,056	418	24
Diversion dams by material:									
Concrete or masonry.....dams..	454	415	13	2	24	147	210	83	14
.....dams..	481	456	4	1	20	206	291	37	7
Earth or rock.....dams..	3,335	3,111	33	6	185	1,553	1,491	288	3
.....dams..	251	244	2	2	3	117	124	10	.....
Other, mixed, and not reported.....dams..	237	184	18	8	27	129	87	18	3
Reservoirs.....reservoirs..	305	235	21	8	41	147	119	32	7
.....reservoirs..	258	197	19	8	34	115	105	31	7
.....total capacity, acre-feet..	1,001,810	507,783	1,227	1,219	491,581	12,961	46,704	180,390	761,755
Reservoirs by capacity:									
1-99 acre-feet.....reservoirs..	151	110	16	7	18	90	56	5	.....
.....reservoirs..	63	54	3	.....	6	21	35	7	.....
100-199 acre-feet.....reservoirs..	44	33	.....	1	10	4	14	19	7
.....reservoirs..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reservoir dams by material:									
Concrete or masonry.....dams..	18	13	3	1	6	.....	.....	.....	2
.....dams..	239	184	15	7	33	109	95	30	5
Earth or rock.....dams..	48	38	3	.....	7	32	16	.....	.....
.....dams..	1,917	1,740	47	53	77	978	817	114	8
Other, mixed, and not reported.....dams..	6,108	5,246	56	102	704	1,189	2,545	1,528	845
Canals and ditches.....enterprises reporting..	201	115	45	12	29	118	73	8	2
.....total length, miles..	338	107	142	4	85	209	72	48	9
Pipelines and siphons.....enterprises reporting..	10	9	.....	.....	1	.....	.....	.....	2
.....total length, feet..	24,595	20,395	.....	.....	4,200	.....	1,665	15,730	7,200
Flowing wells.....enterprises reporting..	147	109	2	.....	36	106	38	3	.....
.....wells..	360	276	2	.....	82	220	118	22	.....
Pumped wells.....enterprises reporting..	572	.....	.....	457	115	412	278	29	17
.....wells..	780	.....	.....	585	195	456	263	29	17
Wells for which pumping lift was reported.....wells..	734	.....	.....	554	180	425	263	29	17
.....feet..	57	.....	.....	61	49	71	69	10	10
Average pumping lift.....feet..	1,300	7	380	602	311	713	390	50	30
Irrigation pumps.....enterprises reporting..	805	2	259	418	126	597	193	11	4
.....pumps..	1,134	3	312	570	249	698	354	52	30
Electric motors used for pumping.....enterprises reporting..	162	5	56	43	58	127	34	1	.....
.....electric motors..	184	5	62	51	66	139	44	1	.....
Other motors and engines used for pumping.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....other motors and engines..	.....	.....	.....	.....	.....	.....	.....	.....	.....
SEASON OF IRRIGATION									
Enterprises reporting and acreage irrigated:									
Water delivered only before July 1.....enterprises reporting..	131	122	2	4	3	87	44	.....	.....
.....acres irrigated..	14,097	13,243	40	473	341	3,311	10,786	.....	.....
Water delivered before and after July 1.....enterprises reporting..	3,213	2,348	290	404	171	1,956	1,126	123	8
.....acres irrigated..	785,151	634,889	18,745	36,200	95,317	68,206	298,039	296,177	122,729
Water delivered only after July 1.....enterprises reporting..	114	46	18	42	8	92	22	.....	.....
.....acres irrigated..	7,365	2,508	1,573	2,117	1,167	2,865	4,500	.....	.....
NEW CAPITAL INVESTMENT									
New capital investment Jan. 1, 1940 to Jan. 1, 1950:									
Enterprises reporting.....enterprises..	1,486	764	226	347	149	883	524	73	6
.....dollars..	7,255,384	2,518,242	640,652	1,737,754	2,358,736	1,211,166	2,078,651	3,097,853	867,714
.....acres..	439,923	299,294	16,055	32,195	92,379	33,301	143,326	174,588	88,708
INDEBTEDNESS⁵									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	39	27	6	2	4	.....	18	19	2
.....dollars..	2,931,224	1,180,476	151,248	252,000	1,347,500	.....	162,178	2,636,046	133,000
.....acres..	111,607	81,191	4,230	3,557	22,629	.....	9,336	64,375	37,896
Acreage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	3	2	.....	1	.....	.....	3	.....	.....
.....dollars..	2,240	240	.....	2,000	.....	.....	2,240	.....	.....
.....acres..	825	600	.....	225	.....	.....	825	.....	.....

¹ "Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water are excluded.

² Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.

³ Surface water includes water from springs and from flowing wells.

⁴ Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the State.

⁵ Not reported by single-farm enterprises.

State Table 4 (Part 3 of 3).—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises data represent characteristics within the State, except where otherwise noted. Acreage irrigated by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²			
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
COST OF WATER TO FARMS⁴									
Total cost of water to farms:									
Enterprises reporting.....enterprises..	3,512	2,553	316	457	186	2,177	1,701	126	8
Cost.....dollars..	1,457,932	726,954	136,575	204,299	390,111	153,987	368,816	568,995	766,134
Area irrigated.....acres..	818,327	661,014	21,293	38,807	97,213	75,375	317,550	307,673	122,729
Cost per acre irrigated.....dollars..	1.78	1.10	6.41	5.26	4.01	2.04	1.16	1.88	2.98
Enterprises by cost per acre:									
Less than \$1.00.....enterprises reporting..	2,280	2,152	37	46	45	1,291	913	76	.....
.....acres irrigated..	436,660	414,725	2,502	5,981	13,452	47,186	242,522	146,952	.....
\$1.00-\$1.99.....enterprises reporting..	292	185	40	35	32	163	109	19	1
.....acres irrigated..	104,251	92,478	3,443	3,577	4,753	7,098	29,591	56,891	10,671
\$2.00-\$4.99.....enterprises reporting..	434	147	83	154	50	295	110	23	6
.....acres irrigated..	210,701	134,509	5,843	15,745	54,604	11,219	28,383	69,980	101,119
\$5.00-\$9.99.....enterprises reporting..	283	43	80	123	37	234	47	6	1
.....acres irrigated..	53,874	17,817	5,144	9,570	21,343	6,604	10,120	26,211	10,939
\$10.00 or more.....enterprises reporting..	223	26	76	99	27	194	27	2	.....
.....acres irrigated..	12,841	1,485	4,361	3,934	3,061	3,268	6,934	2,639	.....
Cost of water for primary irrigation:									
Enterprises reporting.....enterprises..	3,313	2,479	273	386	175	2,009	1,170	126	8
Cost.....dollars..	1,367,265	682,177	127,051	182,548	375,489	137,863	340,919	533,632	354,851
Area supplied primary irrigation.....acres..	780,047	633,706	19,507	33,283	93,551	69,956	302,066	287,977	120,048
Cost per acre supplied.....dollars..	1.75	1.08	6.51	5.48	4.01	1.97	1.13	1.85	2.96
Cost of water for supplemental irrigation:									
Enterprises reporting.....enterprises..	321	168	49	84	20	198	90	29	4
Cost.....dollars..	90,667	44,777	9,524	21,744	14,622	16,124	27,897	35,363	11,283
Area supplied supplemental irrigation.....acres..	38,280	27,308	1,786	5,524	3,662	5,419	15,484	14,696	2,681
Cost per acre supplied.....dollars..	2.37	1.64	5.33	3.94	3.99	2.98	1.80	2.41	4.21
Cost to farms for purposes other than operation and maintenance: ⁵									
Enterprises reporting.....enterprises..	67	56	5	.....	6	1	37	24	5
Cost.....dollars..	197,615	118,526	19,102	.....	59,987	150	45,132	106,187	46,146
Area irrigated.....acres..	174,370	125,905	2,866	.....	45,599	80	18,606	82,275	73,409
Cost per acre irrigated.....dollars..	1.13	0.94	6.67	.....	1.32	1.88	2.43	1.29	0.63
Arrearage in payments by farms, Jan. 1, 1950: ⁵									
Enterprises reporting.....enterprises..	61	51	5	1	4	4	25	28	4
Amount.....dollars..	60,183	32,499	5,579	100	21,805	2,194	11,528	20,137	26,324
Area irrigated.....acres..	172,153	125,561	2,101	221	44,270	113	10,099	89,809	72,132
QUANTITIES OF WATER REPORTED⁵									
Total obtained from all sources ⁶.....enterprises reporting..	530	477	12	24	17	108	325	89	8
.....acre-feet..	2,964,795	2,389,425	36,259	43,961	495,150	57,053	712,559	1,432,584	762,599
Surface sources.....enterprises reporting..	507	477	12	.....	18	100	312	87	8
.....acre-feet..	2,872,197	2,377,006	36,259	.....	458,032	54,688	692,613	1,382,726	742,170
Pumped wells.....enterprises reporting..	29	.....	.....	24	5	8	15	5	1
.....acre-feet..	81,079	.....	.....	43,961	37,118	2,361	19,040	40,030	19,648
Other enterprises.....enterprises reporting..	17	17	.....	.....	.....	1	7	8	1
.....acre-feet..	11,519	11,519	.....	.....	.....	4	906	9,828	781
Conveyance loss ⁶.....enterprises reporting..	504	458	10	19	17	97	311	88	8
.....acre-feet..	553,690	412,742	3,791	3,983	133,174	7,829	103,722	212,269	229,870
Delivered: ⁶									
Direct to farms.....enterprises reporting..	530	477	12	24	17	108	325	89	8
.....acre-feet..	2,352,020	1,936,675	32,468	39,893	342,984	35,943	585,142	1,203,296	527,639
To other enterprises.....enterprises reporting..	22	15	.....	.....	7	.....	6	11	5
.....acre-feet..	13,540	9,310	.....	.....	4,230	.....	1,436	7,014	5,090
For use other than irrigation.....enterprises reporting..	30	26	.....	1	3	.....	12	0	.....
.....acre-feet..	45,545	30,698	.....	85	14,762	13,281	22,259	10,005	.....
Delivered to farms for primary irrigation:									
Enterprises reporting.....enterprises..	522	470	12	23	17	104	322	88	8
Quantity delivered.....acre-feet..	2,214,053	1,830,373	31,589	37,469	315,522	33,377	550,768	1,139,407	491,401
Acreage supplied primary irrigation.....acres..	460,180	370,562	5,633	9,073	74,912	5,523	108,704	225,905	120,048
Quantity per acre supplied.....acre-feet..	4.8	4.9	5.6	4.1	4.2	6.0	5.1	5.0	4.1
Delivered to farms for supplemental irrigation:									
Enterprises reporting.....enterprises..	93	80	1	8	4	13	50	26	4
Quantity delivered.....acre-feet..	96,939	87,658	798	2,424	6,059	2,566	34,374	50,161	9,838
Acreage supplied supplemental irrigation.....acres..	25,171	21,178	104	1,327	2,562	476	8,013	14,001	2,681
Quantity per acre supplied.....acre-feet..	3.9	4.1	7.7	1.8	2.4	5.4	4.3	3.6	3.7
Cost of water to farms for enterprises reporting quantity delivered:									
Cost for primary irrigation.....dollars..	1,015,395	507,425	61,868	47,142	308,960	8,123	144,318	508,103	354,851
Average cost per acre-foot.....dollars..	0.46	0.33	1.96	1.26	0.98	0.24	0.26	0.45	0.72
Cost for supplemental irrigation.....dollars..	59,120	41,476	1,264	3,737	12,643	955	11,645	33,237	11,283
Average cost per acre-foot.....dollars..	0.61	0.47	1.58	1.54	2.09	0.37	0.34	0.70	1.15
Measurement of water to farms:									
No water measured.....enterprises reporting..	448	411	6	23	8	118	282	47	1
.....acres..	200,541	170,546	1,797	10,098	9,100	6,555	95,082	97,627	1,277
Part of water measured.....enterprises reporting..	50	46	1	.....	3	4	30	12	4
.....acres..	104,858	53,218	45	.....	51,595	151	10,457	32,272	61,978
All water measured.....enterprises reporting..	95	82	5	1	7	6	56	30	3
.....acres..	199,536	179,162	3,539	55	16,779	346	25,437	114,279	59,474

¹ "Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water are excluded.
² Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.
³ Surface water includes water from springs and from flowing wells.
⁴ Enterprises with reported cost of \$0 in 1949 are included.
⁵ Not reported by single-farm enterprises.
⁶ For interstate enterprises, data represent characteristics of the entire enterprise.

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IRRIGATION OF AGRICULTURAL LANDS

County Table 1.—IRRIGATED FARMS: NUMBER, ACREAGE, AND

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		The State	Ada	Adams	Bannock	Bear Lake	Benewah	Bingham	Blaine
1	Irrigated farms.....number 1950..	29,413	2,405	245	704	594	2	2,080	304
2	.....number 1945..	28,571	2,441	242	1,098	643	1	2,042	266
3	Proportion of all farms.....percent 1950..	73.0	96.1	76.1	75.9	83.4	0.4	96.4	93.3
4	Land in irrigated farms.....acres 1950..	7,980,249	263,853	249,990	248,160	250,296	1,220	527,540	197,504
5	.....average per farm, acres 1950..	271.3	109.7	1,020.4	352.5	421.4	610.0	15,850	649.7
6	Value of land and buildings.....average per farm, dollars 1950..	21,291	15,511	21,245	23,520	21,613	18,000	21,364	25,575
7	.....average per acre, dollars 1950..	83.71	169.90	19.63	83.20	39.91	24.32	96.63	41.21
8	Proportion of irrigated farms reporting value.....percent 1950..	91	94	99	92	95	250	99	86
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	86	78	105	74	123	303	86	82
Land in irrigated farms according to use, 1949:									
10	Land in irrigated farms according to use, 1949:								
11	Cropland harvested.....farms reporting..	27,056	1,856	219	665	577	2	1,976	292
12	.....acres..	2,177,212	69,125	19,539	68,628	74,073	28	161,482	31,875
13	Cropland used only for pasture.....acres..	380,426	19,574	14,955	8,088	13,010	25	61,475	12,694
14	Cropland not harvested and not pastured.....acres..	438,057	5,010	1,245	34,789	10,829	.....	28,708	3,513
15	Woodland pastured.....acres..	384,875	2,218	6,203	9,171	8,023	444	15,850	4,910
16	Other pasture (not cropland and not woodland).....acres..	3,990,752	152,385	146,461	102,554	133,504	19	212,429	138,038
17	Land pastured, total.....farms reporting..	24,669	2,241	231	558	543	2	1,706	276
18	.....acres..	4,756,053	174,177	223,602	119,813	154,537	488	289,754	155,642
19	Irrigated land in farms.....acres 1949..	2,137,237	103,462	24,376	36,905	48,315	23	157,981	36,785
20	Land irrigated by sprinklers.....farms reporting 1949..	2,026,280	109,143	23,433	71,038	68,731	4	154,167	30,652
21	.....acres 1949..	344	21	1	2	2	.....	1	2
22	Irrigated land in farms according to use, 1949:	9,995	488	15	18	13	.....	10	61
23	Irrigated cropland harvested.....farms reporting..	26,740	1,834	199	655	569	2	1,969	291
24	.....acres..	1,703,601	66,393	11,935	32,585	43,581	23	132,586	28,175
25	Irrigated pasture.....farms reporting..	20,692	2,193	169	315	249	.....	1,570	173
26	.....acres..	403,017	35,904	12,075	3,981	4,535	.....	23,474	8,509
27	Irrigated wild grass pasture.....farms reporting..	3,183	155	75	64	155	.....	148	50
28	.....acres..	120,820	3,248	4,227	1,357	3,075	.....	3,434	5,324
29	Irrigated tame grass pasture.....farms reporting..	18,319	2,075	110	261	117	.....	1,483	139
30	.....acres..	282,197	32,656	7,848	2,624	1,460	.....	20,040	3,185
31	Irrigated cropland not harvested and not pastured.....farms reporting..	2,766	177	9	37	16	.....	240	22
32	.....acres..	30,619	1,165	366	339	199	.....	1,921	101
Irrigated farms by acres irrigated in 1949:									
33	1-9 acres.....farms reporting..	4,352	681	42	173	73	1	148	12
34	10-19 acres.....farms reporting..	2,387	277	32	95	84	.....	115	19
35	20-29 acres.....farms reporting..	1,810	154	24	62	61	1	87	19
36	30-49 acres.....farms reporting..	5,164	472	39	119	120	.....	389	41
37	50-99 acres.....farms reporting..	9,617	615	50	155	137	.....	897	97
38	100-199 acres.....farms reporting..	4,543	175	28	75	69	.....	370	79
39	200 acres and over.....farms reporting..	1,540	31	3	25	50	.....	74	37
Irrigated farms by tenure of operator, 1950:									
40	Full owners.....number..	18,851	1,754	166	456	412	2	1,293	227
41	Part owners.....number..	4,493	233	56	159	147	.....	343	33
42	Managers.....number..	128	8	4	3	5	.....	9	4
43	Tenants.....number..	5,941	410	19	86	30	.....	435	40
Land in wholly and in partly irrigated farms:									
44	Wholly irrigated farms.....number 1950..	22,748	1,784	85	374	217	.....	1,881	237
45	All land.....acres 1950..	4,651,145	141,239	47,903	39,221	65,917	.....	319,430	150,206
46	Cropland harvested.....acres 1949..	1,443,918	63,816	4,522	18,192	17,848	.....	122,826	22,685
47	Irrigated land.....acres 1949..	1,782,684	94,288	10,119	20,595	19,870	.....	145,272	29,208
48	Partly irrigated farms.....number 1950..	6,665	621	160	330	377	2	199	67
49	All land.....acres 1950..	3,329,104	122,614	202,087	208,939	184,379	1,220	208,110	47,298
50	Cropland harvested, total.....farms reporting 1949..	4,308	72	134	291	360	2	95	55
51	.....acres 1949..	733,294	5,309	15,017	50,436	56,225	28	38,656	9,190
52	Irrigated cropland harvested.....acres 1949..	354,553	9,174	14,257	16,310	28,445	23	12,709	7,577
53	.....farms reporting 1949..	3,992	50	114	281	352	2	88	54
54	.....acres 1949..	259,683	2,577	7,413	14,393	25,733	23	9,760	5,490
Characteristics of wholly irrigated and nonirrigated farms:									
55	Wholly irrigated farms.....number 1950..	22,748	1,784	85	374	217	.....	1,881	237
56	Average acreage per farm:								
57	All land.....acres 1949..	204.5	79.2	563.6	104.9	303.8	.....	169.8	633.8
58	Cropland harvested.....acres 1949..	63.5	35.8	53.2	48.6	82.2	.....	65.3	95.7
59	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.6	0.3	3.3	0.1	(1)	.....	0.1	(1)
60	Vegetables harvested for sale.....acres 1949..	0.7	0.2	(1)	(1)	(1)	.....	(1)	(1)
61	Small grains (including sorghums).....acres 1949..	19.0	13.9	7.1	17.2	10.1	.....	21.2	41.0
62	All hay.....acres 1949..	26.4	15.9	41.5	21.1	71.9	.....	23.3	54.6
63	Farms by tenure of operator:								
64	Full owners and managers.....number 1950..	14,242	1,223	62	236	165	.....	1,158	176
65	Part owners.....number 1950..	3,216	210	16	76	44	.....	303	24
66	Tenants.....number 1950..	5,290	351	7	62	8	.....	420	37
67	Value of land and buildings per farm.....dollars 1950..	20,926	17,248	19,337	19,887	15,161	18,000	21,651	18,824
68	Nonirrigated farms.....number 1950..	10,871	98	77	223	118	482	78	22
69	Average acreage per farm:								
70	All land.....acres 1949..	482.4	1,293.8	320.5	544.5	375.2	375.3	745.9	760.0
71	Cropland harvested.....acres 1949..	135.3	25.8	44.2	128.1	115.4	91.0	175.7	125.1
72	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)
73	Vegetables harvested for sale.....acres 1949..	0.3	(1)	(1)	(1)	(1)	(1)	(1)	(1)
74	Small grains (including sorghums).....acres 1949..	103.0	10.0	17.6	118.1	79.1	55.0	167.2	109.1
75	All hay.....acres 1949..	19.2	12.9	25.5	8.5	39.2	18.6	3.2	16.0
76	Farms by tenure of operator:								
77	Full owners and managers.....number 1950..	7,132	67	57	156	89	332	43	15
78	Part owners.....number 1950..	2,397	15	13	50	23	105	11	5
79	Tenants.....number 1950..	1,342	16	7	17	6	45	24	2
80	Value of land and buildings per farm.....dollars 1950..	25,787	21,141	7,673	20,994	13,266	24,823	11,748	53,000
Irrigated farms and irrigated land by origin of water, 1949:									
81	Individually operated supply works and—								
82	No other irrigation enterprise.....farms reporting..	2,252	73	50	82	37	2	71	65
83	.....acres irrigated..	241,933	4,254	3,581	3,719	3,412	23	6,423	9,503
84	1 other irrigation enterprise.....farms reporting..	1,091	68	18	19	20	.....	76	25
85	.....acres irrigated..	163,087	5,714	6,314	1,180	1,869	.....	12,011	4,618
86	2 or more other irrigation enterprises.....farms reporting..	124	5	5	3	3	.....	4	2
87	.....acres irrigated..	36,403	800	1,245	1,779	2,548	.....	850	2,714
88	No individually operated supply works but—								
89	1 other irrigation enterprise.....farms reporting..	23,904	2,120	136	558	428	.....	1,757	177
90	.....acres irrigated..	1,484,220	83,550	7,449	26,362	24,665	.....	120,710	15,651
91	2 or more other irrigation enterprises.....farms reporting..	2,042	139	36	42	106	.....	172	35
92	.....acres irrigated..	211,594	9,144	5,787	3,865	15,821	.....	17,987	4,299

See footnote at end of County Table 1.

OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945

based on reports for only a sample of farms. See text]

Boise	Bonner	Bonneville	Boundary	Butte	Camas	Canyon	Caribou	Cassia	Clark	Clearwater	Custer	Elmore	Franklin	
70	34	1,339	10	225	44	3,873	392	1,150	46		296	347	905	1
103	17	1,263	3	225	34	3,455	69	1,201	70		297	332	856	2
54.3	2.9	87.1	1.5	94.9	31.7	92.2	66.1	92.1	54.8		93.7	85.3	78.6	3
70,029	8,933	275,314	3,689	149,878	66,614	290,238	259,004	378,352	190,552		143,802	364,009	201,828	4
1,000.4	262.7	205.6	368.9	666.1	1,513.9	74.9	660.7	329.0	4,142.4		485.8	1,049.0	223.0	5
14,727	16,483	27,378		23,079	70,439	18,474	38,415	20,698	45,549		21,242	16,956	20,957	6
21.47	49.82	132.34		34.61	40.56	231.06	53.14	68.42	19.36		49.43	21.22	92.96	7
144	103	97		95	59	86	96	90	111		94	99	95	8
99	130	98		95	68	94	105	82	70		83	76	96	9
66	34	1,279	9	220	44	3,243	389	1,127	45		272	318	885	10
5,638	1,341	124,027	655	27,351	19,763	148,654	89,058	101,483	9,961		34,664	25,926	76,028	11
2,002	122	7,689	328	5,682	1,268	29,930	6,105	10,626	6,714		12,074	5,885	4,277	12
277	273	27,213	48	14,288	14,717	10,089	35,411	18,241	431		5,801	6,891	24,226	13
14,673	4,821	16,223	1,553	2,823	1,002	3,058	11,202	7,275	8,210		4,875	6,244	7,808	14
41,384	248	72,066	61	90,946	28,061	52,343	95,646	208,591	164,137		68,249	298,885	71,503	15
69	29	1,043	10	190	41	3,274	344	845	46		278	295	790	16
58,059	5,191	95,978	1,942	99,452	30,331	85,331	112,959	226,492	179,061		85,198	311,014	83,588	17
4,489	628	108,509	422	30,591	6,057	196,901	41,360	100,391	9,453		49,669	28,263	37,831	18
4,974	236	98,218	12	31,345	4,063	171,885	7,866	92,434	10,903		38,201	25,637	38,479	19
2	4	6				43		4				4	3	20
56	113	212	26		8	2,045		255	406			158	45	21
66	31	1,262	8	219	41	3,227	383	1,127	45		270	312	856	22
3,426	520	95,766	114	23,626	5,021	147,020	33,932	86,057	7,928		32,655	21,978	32,372	23
27	6	929	7	113	15	3,211	227	642	16		183	228	477	24
1,021	62	11,697	298	5,910	811	45,067	7,181	13,746	1,520		16,611	5,675	5,091	25
19	1	51	4	24	13	232	68	144	11		107	48	117	26
825	10	755	182	2,476	711	4,771	4,011	7,197	908		10,906	2,228	1,570	27
13	5	896	3	102	5	3,062	170	524	9		94	190	380	28
196	52	10,942	116	3,434	100	40,296	3,170	6,549	612		5,705	3,447	3,521	29
2	4	126	1	30	3	518	14	67	1		19	35	28	30
42	46	1,046	10	1,055	225	4,814	247	588	5		403	610	368	31
4	20	105	2	13	1	829	16	61	2		12	69	149	32
11	4	46	2	6	2	392	13	51	1		6	28	118	33
7	2	44		4		266	38	71	1		11	29	122	34
15	4	147	3	18	5	822	59	219	4		20	61	233	35
18	2	686	1	81	14	1,157	126	471	4		77	82	231	36
12	2	254	2	67	8	336	93	186	16		103	47	40	37
3		57		36	10	71	47	91	18		67	31	12	38
50	25	752	8	156	16	2,458	233	740	26		239	200	695	39
10	8	163	1	45	24	458	104	179	13		30	70	148	40
		8		1	9	3	3	6	1		5	4	4	41
10	1	416	1	24	3	948	52	225	6		22	73	58	42
16	9	1,159	2	197	9	3,164	66	1,019	31		245	292	271	43
20,170	1,957	143,968	430	111,620	13,343	260,592	24,311	261,617	139,505		117,103	243,709	27,182	44
918	80	86,024	41	21,635	1,859	142,313	6,632	76,139	6,547		29,144	20,379	11,732	45
1,130	83	95,954	143	27,302	2,187	184,276	7,823	87,428	7,385		39,485	25,329	13,701	46
54	25	180	8	28	35	709	326	131	15		51	55	634	47
49,859	6,976	131,346	3,259	38,258	53,271	29,646	234,693	116,735	51,047		26,699	120,300	174,646	48
50	25	120	7	23	35	79	323	108	14		27	26	614	49
4,720	1,261	38,003	614	5,716	17,904	6,341	82,426	25,344	3,414		5,520	5,547	64,296	50
3,359	545	12,555	279	3,289	3,870	12,625	33,537	12,963	2,068		10,184	2,934	24,130	51
50	22	103	6	22	32	63	317	108	14		25	20	585	52
2,508	440	9,742	73	1,991	3,162	4,707	27,300	9,918	1,381		3,511	1,599	20,640	53
16	9	1,159	2	197	9	3,164	66	1,019	31		245	292	271	54
1,260.6	217.4	124.2	215.0	566.6	1,482.6	82.4	368.3	256.7	4,500.2		478.0	834.6	100.3	55
57.4	8.9	74.2	20.5	109.8	206.6	45.0	100.5	74.7	211.2		119.0	69.8	43.3	56
(1)	1.3	(1)	0.5	(1)		1.3		(1)	0.2		(1)	0.3	(1)	57
						1.9		(1)				0.3		58
17.2	1.1	23.7		50.8	73.6	13.5	44.7	17.9	39.6		25.1	20.9	16.5	59
32.1	4.4	28.4	20.5	48.6	133.0	14.1	52.9	37.3	156.5		89.6	39.2	16.0	60
15	6	637	2	138	4	1,883	37	659	21		199	165	217	61
1	3	118		36	3	430	16	140	8		27	58	33	62
		404		23	2	851	13	220	2		19	69	21	63
10,176	20,000	25,585		21,453		20,076	41,430	20,665	57,089		21,865	15,241	15,062	64
59	1,151	199	657	12	95	112	201	98	38	374	20	60	246	65
919.7	215.4	1,215.9	200.8	490.8	991.8	51.4	774.3	880.5	1,423.2	257.2	143.8	1,879.1	267.1	66
69.4	30.5	339.4	60.0	101.4	386.0	12.4	283.3	238.1	198.9	68.6	8.8	123.0	72.0	67
(1)	0.1	(1)	0.1	(1)	(1)	0.2	(1)	(1)		0.1	(1)	0.1	(1)	68
	(1)	(1)	(1)			0.8		(1)		(1)		(1)		69
22.7	6.5	319.8	45.9	86.2	326.9	6.1	254.5	230.9	128.1	42.4	3.3	86.4	57.0	70
45.6	23.9	23.0	12.8	8.7	56.8	1.0	21.7	7.1	70.1	17.6	2.0	28.4	15.3	71
46	970	97	535	10	46	83	123	72	24	260	17	32	210	72
8	112	57	84	1	37	3	54	12	10	78		17	21	73
5	69	45	38	1	12	26	24	14	4	36	3	11	15	74
23,116	9,555	59,190	16,185	33,500	43,868	7,200	31,088	32,249	6,862	15,608	1,467	22,012	12,090	75
49	17	36	10	29	15	58	52	141	46		127	68	32	76
2,407	287	4,543	422	8,055	2,693	4,391	8,306	19,668	9,453		19,395	8,694	947	77
1		32		9	2	109	30	59			25	37	34	78
150		4,366		2,349	270	10,339	4,263	10,899			8,051	5,963	2,416	79
						13	5	6			3		5	80
						2,020	1,219	2,603			3,284		291	81
20	17	1,186		173	26	3,452	279	931			125	241	626	82
1,932	341	90,990		17,405	2,662	154,900	23,366	65,489			16,348	13,590	23,313	83
		85		14	1	241	26	13			16	1	208	84
		8,610		2,782	432	25,251	4,206	1,732			2,591	16	10,864	85

IRRIGATION OF AGRICULTURAL LANDS

County Table 1.—IRRIGATED FARMS: NUMBER, ACREAGE, AND

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		Fremont	Gem	Gooding	Idaho	Jeffer- son	Jerome	Kootenai	Latah	Lenhi
1	Irrigated farms.....number 1950..	658	886	1,045	81	1,194	1,076	335	4	455
2	.....number 1945..	646	837	1,040	104	1,227	1,037	347	.....	516
3	Proportion of all farms.....percent 1950..	79.1	93.3	98.1	7.0	95.1	96.8	23.7	0.3	93.8
4	Land in irrigated farms.....acres 1950..	192,541	217,741	195,731	98,083	285,762	147,323	22,280	1,478	203,894
5	.....average per farm, acres 1950..	292.6	245.7	187.3	1,210.9	239.3	136.9	66.5	369.5	448.1
6	Value of land and buildings.....average per farm, dollars 1950..	26,939	14,252	19,572	24,626	17,535	24,670	8,166	19,850	19,694
7	.....average per acre, dollars 1950..	97.65	50.19	103.57	12.82	80.00	168.06	200.51	20.05	46.64
8	Proportion of irrigated farms reporting value.....percent 1950..	94	94	90	57	90	80	82	125	87
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	89	109	91	90	83	85	50	335	82
Land in irrigated farms according to use, 1949:										
10	Cropland harvested.....farms reporting..	639	740	970	77	1,171	1,045	298	4	433
11	.....acres..	75,624	34,741	66,972	2,850	94,639	84,187	7,884	258	50,693
12	Cropland used only for pasture.....acres..	4,333	12,868	16,666	915	15,910	7,766	1,217	140	8,734
13	Cropland not harvested and not pastured.....acres..	17,554	4,148	6,088	288	15,789	8,499	3,595	205	2,016
14	Woodland pastured.....acres..	21,991	25,129	2,522	25,011	9,951	719	6,212	.....	4,233
15	Other pasture (not cropland and not woodland).....acres..	46,978	130,700	85,070	62,668	126,744	18,679	955	474	123,975
16	Land pastured, total.....farms reporting..	516	797	955	79	1,017	837	245	3	434
17	.....acres..	73,302	168,697	104,258	88,594	152,605	27,164	8,384	614	136,942
18	Irrigated land in farms.....acres 1949..	61,268	43,335	84,676	1,432	101,852	96,582	3,566	31	79,211
19	.....acres 1944..	58,709	43,568	87,053	2,121	99,960	90,865	2,529	.....	68,180
20	Land irrigated by sprinklers.....farms reporting 1949..	.....	12	3	.....	1	7	32	3	4
21	.....acres 1949..	.....	360	186	.....	20	328	942	6	37
Irrigated land in farms according to use, 1949:										
22	Irrigated cropland harvested.....farms reporting..	631	724	968	75	1,163	1,043	270	4	431
23	.....acres..	49,531	28,476	64,216	1,320	85,781	83,987	2,431	31	50,434
24	Irrigated pasture.....farms reporting..	364	754	909	15	802	758	182	.....	353
25	.....acres..	10,433	13,715	18,926	107	12,896	10,659	974	.....	28,571
26	Irrigated wild grass pasture.....farms reporting..	139	132	66	10	131	78	38	.....	238
27	.....acres..	6,165	4,668	1,463	68	4,020	1,491	132	.....	20,477
28	Irrigated tame grass pasture.....farms reporting..	256	672	871	6	715	699	146	.....	154
29	.....acres..	4,268	9,047	17,463	39	8,876	9,168	842	.....	8,094
30	Irrigated cropland not harvested and not pastured.....farms reporting..	83	123	103	2	156	109	53	.....	15
31	.....acres..	1,304	1,144	1,534	5	3,175	1,936	161	.....	206
Irrigated farms by acres irrigated in 1949:										
32	1-9 acres.....farms reporting..	45	194	81	37	86	32	228	3	36
33	10-19 acres.....farms reporting..	34	127	59	18	63	33	68	.....	24
34	20-29 acres.....farms reporting..	36	76	35	11	66	29	14	1	21
35	30-49 acres.....farms reporting..	105	178	162	7	246	120	14	.....	52
36	50-99 acres.....farms reporting..	224	212	442	6	417	519	7	.....	90
37	100-199 acres.....farms reporting..	161	76	220	2	229	291	4	.....	111
38	200 acres and over.....farms reporting..	53	23	46	.....	87	52	.....	.....	121
Irrigated farms by tenure of operator, 1950:										
39	Full owners.....number..	404	670	653	56	857	540	288	2	331
40	Part owners.....number..	161	112	119	17	173	138	38	1	41
41	Managers.....number..	5	4	7	1	1	3	.....	1	3
42	Tenants.....number..	88	100	266	7	163	395	9	.....	80
Land in wholly and in partly irrigated farms:										
43	Wholly irrigated farms.....number 1950..	431	637	944	48	1,057	1,023	157	.....	412
44	All land.....acres 1950..	101,694	90,452	171,574	25,443	226,474	140,577	5,429	.....	196,544
45	Cropland harvested.....acres 1949..	32,814	24,647	62,141	725	78,098	81,772	1,377	.....	48,928
46	Irrigated land.....acres 1949..	41,642	36,512	80,395	779	91,509	92,963	1,757	.....	76,890
47	Partly irrigated farms.....number 1950..	227	249	101	33	137	53	178	4	43
48	All land.....acres 1950..	90,847	127,289	24,157	72,640	59,288	6,746	16,851	1,478	7,350
49	Cropland harvested, total.....farms reporting 1949..	208	103	26	29	114	22	141	4	21
50	.....acres 1949..	42,810	10,094	4,831	2,125	16,541	2,415	6,507	258	1,765
51	Irrigated land.....acres 1949..	19,626	6,823	4,281	653	10,343	3,619	1,809	31	2,321
52	Irrigated cropland harvested.....farms reporting 1949..	200	87	24	27	106	20	113	4	19
53	.....acres 1949..	16,717	3,829	2,075	595	7,683	2,215	1,054	31	1,506
Characteristics of wholly irrigated and nonirrigated farms:										
54	Wholly irrigated farms.....number 1950..	431	637	944	48	1,057	1,023	157	.....	412
55	Average acreage per farm:									
56	All land.....acres 1949..	235.9	142.0	181.8	530.1	214.3	137.4	34.6	.....	477.0
57	Cropland harvested.....acres 1949..	76.1	38.7	65.8	15.1	73.9	79.9	8.8	.....	118.8
58	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	(¹)	4.9	0.2	1.0	(¹)	0.1	0.5	.....	0.1
59	Vegetables harvested for sale.....acres 1949..	(¹)	1.5	0.7	0.1	(¹)	0.4	0.2	.....	(¹)
60	Small grains (including sorghums).....acres 1949..	32.0	12.0	18.4	0.1	28.0	18.3	1.5	.....	16.9
61	All hay.....acres 1949..	24.5	16.0	28.3	12.5	29.5	22.8	4.4	.....	99.9
Farms by tenure of operator:										
62	Full owners and managers.....number 1950..	291	482	576	36	774	503	143	.....	303
63	Part owners.....number 1950..	81	77	112	8	138	132	8	.....	37
64	Tenants.....number 1950..	59	78	256	4	145	388	6	.....	72
65	Value of land and buildings per farm.....dollars 1950..	22,349	14,793	19,760	14,215	17,006	25,259	7,625	.....	20,776
66	Nonirrigated farms.....number 1950..	174	64	20	1,074	61	35	1,078	1,453	30
67	Average acreage per farm:									
68	All land.....acres 1949..	974.4	1,207.0	734.0	611.1	426.1	367.9	267.4	257.1	89.9
69	Cropland harvested.....acres 1949..	242.5	43.7	21.6	164.5	155.9	28.3	61.6	129.4	4.6
70	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	(¹)	0.8	.....	0.1	.....	(¹)	0.1	.....	0.1
71	Vegetables harvested for sale.....acres 1949..	.....	0.1	.....	(¹)	(¹)	.....	(¹)	.....	0.2
72	Small grains (including sorghums).....acres 1949..	219.9	22.3	19.0	112.5	141.0	30.9	32.5	90.5	.....
73	All hay.....acres 1949..	11.8	21.7	.....	30.9	12.1	9.3	18.3	13.5	2.7
Farms by tenure of operator:										
74	Full owners and managers.....number 1950..	76	48	13	589	46	33	850	906	25
75	Part owners.....number 1950..	64	9	3	321	9	1	148	348	3
76	Tenants.....number 1950..	34	7	4	164	6	1	80	199	2
77	Value of land and buildings per farm.....dollars 1950..	36,761	15,941	15,200	31,494	14,368	8,251	15,339	29,659	6,000
Irrigated farms and irrigated land by origin of water, 1949:										
Individually operated supply works and—										
78	No other irrigation enterprise.....farms reporting..	14	58	60	69	61	12	38	3	217
79	.....acres irrigated..	4,317	2,785	5,701	1,327	7,683	1,256	931	7	36,514
80	1 other irrigation enterprise.....farms reporting..	9	55	28	.....	23	43	5	.....	52
81	.....acres irrigated..	1,297	3,542	3,627	.....	5,655	5,832	239	.....	17,208
82	2 or more other irrigation enterprises.....farms reporting..	5	5	2	.....	3	4	.....	.....	7
83	.....acres irrigated..	1,270	557	352	.....	700	735	.....	.....	1,221
No individually operated supply works but—										
84	1 other irrigation enterprise.....farms reporting..	471	684	930	11	985	982	290	.....	161
85	.....acres irrigated..	35,795	28,428	72,785	93	75,789	84,690	2,240	.....	19,910
86	2 or more other irrigation enterprises.....farms reporting..	159	84	25	1	122	35	2	1	18
87	.....acres irrigated..	18,589	8,023	2,211	12	12,025	4,069	156	24	4,358

¹Less than 0.05.

OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945—Continued

based on reports for only a sample of farms. See text]

Lewis	Lincoln	Madison	Minidoka	Nez Perce	Oneida	Owyhee	Payette	Power	Shoshone	Teton	Twin Falls	Valley	Washington
.....	443	784	1,018	282	311	753	1,113	170	5	335	2,560	139	701
.....	443	677	972	368	305	711	1,003	125	.....	291	2,572	142	550
.....	97.8	88.0	96.1	28.4	57.3	97.3	96.5	43.8	3.0	73.0	97.6	66.5	75.7
.....	103,939	205,078	103,472	19,465	173,263	577,427	181,582	96,981	383	129,458	468,052	72,151	343,360
.....	234.6	261.5	101.6	69.0	557.1	766.8	163.1	570.4	76.6	386.4	182.8	519.0	489.8
.....	17,336	22,937	16,553	10,316	36,636	19,411	15,713	37,419	.....	19,413	32,335	23,770	19,001
.....	73.20	120.55	178.68	164.07	74.13	35.71	93.94	65.12	.....	65.75	193.16	53.49	36.99
.....	96	91	98	110	86	82	77	82	.....	98	89	127	91
.....	97	66	90	100	76	58	79	83	.....	75	81	109	96
.....	427	769	977	272	310	722	1,033	168	5	330	2,392	127	629
.....	35,576	70,557	53,943	4,617	55,230	58,949	39,669	31,597	43	45,837	209,948	23,302	40,497
.....	10,384	3,561	4,748	884	5,006	7,185	13,507	2,465	1	3,430	20,045	7,619	10,519
.....	4,555	22,278	2,944	2,082	30,485	5,270	4,694	23,699	95	18,760	9,590	2,716	10,707
.....	735	7,534	123	3,148	10,896	22,561	1,845	1,048	152	14,138	8,622	16,300	9,429
.....	41,630	87,099	30,669	7,743	63,882	445,138	108,923	32,748	.....	38,353	180,299	17,658	262,857
.....	410	612	728	136	255	621	905	142	4	312	2,124	131	595
.....	52,749	98,194	35,540	11,775	79,784	474,884	124,275	36,261	153	55,921	208,966	41,577	282,805
.....	44,748	58,688	58,088	1,665	19,212	71,665	51,645	10,868	50	33,152	238,452	23,421	31,219
.....	48,224	43,805	53,800	2,235	18,710	59,594	47,005	8,970	.....	34,556	221,492	26,413	26,990
.....	1	.....	.....	104	.....	4	27	2	3	1	6	6	29
.....	40	.....	.....	544	.....	70	1,079	75	17	1	310	1,003	1,048
.....	427	767	975	255	304	722	1,030	162	5	323	2,391	110	594
.....	35,012	47,789	52,857	1,277	17,677	58,328	38,483	9,420	43	27,940	206,784	12,981	23,119
.....	380	464	674	92	62	472	851	85	1	161	2,005	92	466
.....	9,278	9,953	4,863	303	1,323	12,231	11,666	1,354	5	4,867	30,275	10,203	7,247
.....	27	150	36	31	32	97	82	38	.....	42	246	43	41
.....	812	5,263	245	80	1,014	5,140	2,088	654	.....	2,044	3,916	2,219	1,646
.....	369	341	650	68	37	405	802	50	1	123	1,808	68	440
.....	8,466	4,690	4,618	223	309	7,091	9,578	700	5	2,823	26,359	7,984	5,601
.....	33	62	80	23	8	84	151	14	1	11	211	17	78
.....	458	946	368	85	212	1,106	1,496	94	2	345	1,393	237	862
.....	19	76	110	242	47	47	200	11	3	13	275	7	147
.....	7	56	39	30	39	61	170	20	.....	20	109	9	98
.....	15	62	67	6	32	43	121	11	.....	14	56	9	78
.....	43	167	257	4	59	133	252	35	1	51	322	15	151
.....	183	260	450	.....	72	262	275	56	.....	105	939	30	167
.....	148	119	85	45	141	74	33	74	.....	108	655	31	47
.....	28	44	10	.....	16	66	21	4	.....	24	204	38	13
.....	301	527	587	237	184	494	807	69	4	234	1,183	76	439
.....	50	173	148	25	95	118	151	58	1	65	385	47	153
.....	1	.....	1	2	.....	5	6	1	.....	2	7	.....	4
.....	91	84	282	18	32	136	149	42	.....	34	985	16	105
.....	415	651	966	206	50	700	988	80	5	157	2,334	43	386
.....	98,105	100,360	90,927	3,419	9,507	528,352	162,406	15,860	383	33,867	421,236	14,418	84,695
.....	34,231	39,706	52,375	972	2,557	56,243	36,385	4,878	43	15,288	198,071	5,245	14,090
.....	43,569	49,162	57,344	1,173	2,720	68,934	48,135	5,573	50	18,568	227,522	7,366	18,543
.....	28	133	52	76	261	53	125	90	.....	178	226	96	315
.....	5,834	104,718	12,545	16,046	163,756	49,075	19,176	81,121	.....	95,591	46,816	57,733	258,665
.....	12	118	11	66	260	22	45	88	.....	173	58	84	243
.....	1,345	30,851	1,568	3,645	52,673	2,706	3,584	26,719	.....	30,549	11,877	18,057	26,407
.....	1,179	9,526	744	492	16,492	2,731	3,510	5,295	.....	14,584	10,930	12,676	51
.....	12	116	9	49	254	22	42	82	.....	166	57	67	208
.....	781	8,083	482	305	15,120	2,085	2,098	4,542	.....	12,652	8,713	7,736	9,020
.....	415	651	966	206	50	700	988	80	5	157	2,334	43	386
.....	236.4	154.2	94.1	16.6	190.1	754.8	164.4	198.3	76.6	215.7	180.5	335.3	219.4
.....	82.5	61.0	54.2	4.7	51.1	80.3	36.8	61.0	8.6	97.4	84.9	122.0	36.5
.....	(1)	(1)	(1)	1.6	.....	0.5	2.4	0.2	.....	(1)	0.4	0.1	0.5
.....	(1)	(1)	(1)	0.3	.....	0.2	2.6	.....	1.0	0.2	1.0	.....	1.8
.....	33.6	26.5	12.7	0.3	21.0	20.3	11.6	21.9	.....	30.7	21.1	54.5	13.4
.....	35.3	19.7	20.0	2.0	23.1	46.3	14.0	24.7	6.2	59.0	25.1	28.5	15.3
.....	275	461	542	189	29	461	716	44	4	114	1,024	28	241
.....	49	118	147	10	12	109	140	11	1	24	365	12	79
.....	88	72	277	7	9	130	132	25	.....	19	945	3	66
.....	17,813	19,214	16,652	9,223	31,379	19,554	16,103	26,130	.....	14,467	33,176	28,300	17,610
.....	437	107	41	711	232	21	40	218	163	124	63	70	225
.....	517.6	419.5	1,054.6	630.8	683.0	900.8	52.9	1,428.3	156.2	555.0	641.4	252.6	1,062.6
.....	277.2	389.6	34.2	201.6	254.0	2.0	7.2	525.6	17.0	246.3	33.9	86.9	124.0
.....	(1)	(1)	(1)	0.1	(1)	.....	0.1	(1)	(1)	.....	(1)	.....	(1)
.....	0.4	.....	.....	3.2	.....	.....	.....	.....	.....	.....	.....	.....	0.2
.....	206.4	384.2	31.4	142.0	241.8	0.7	1.8	515.8	0.5	221.9	33.7	41.8	79.4
.....	16.1	1.8	.....	17.7	14.4	0.5	0.5	9.1	16.3	24.3	1.7	39.9	42.3
.....	177	8	50	28	296	145	14	35	136	66	50	58	146
.....	169	1	46	4	259	65	6	2	109	12	39	5	8
.....	91	11	9	156	22	1	3	56	15	19	8	4	50
.....	55,126	6,000	65,442	8,220	43,323	41,875	9,000	5,775	60,356	7,419	41,449	27,741	8,401
.....
.....	.....	6	3	41	18	154	89	23	3	39	89	37	158
.....	.....	2,417	580	389	1,456	23,639	3,955	1,408	39	3,854	12,850	4,606	6,043
.....	9	10	2	1	20	23	70	5	1	18	85	13	55
.....	1,618	2,047	214	3	2,333	3,926	5,318	646	1	3,902	17,323	2,913	4,671
.....	2	.....	.....	.....	11	4	7	.....	.....	.....	7	4	9
.....	424	.....	.....	.....	2,301	2,500	1,097	.....	.....	.....	1,206	3,636	1,051
.....	414	606	1,012	238	207	557	871	121	1	245	2,353	79	434
.....	39,832	35,816	57,209	1,259	8,427	38,744	36,222	7,071	10	20,842	203,001	10,808	16,526
.....	18	162	1	2	55	15	76	21	.....	33	26	6	84
.....	2,874	18,408	85	14	4,695	2,856	5,053	1,743	.....	4,554	4,072	1,458	2,928

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises,

Item (For definitions and explanations, see text)		The State	Ada	Adams	Bannock	Bear Lake	Bingham	Blaine
ALL ENTERPRISES								
Farms and land irrigated:								
1	All irrigation enterprises.....enterprises 1950..	4,621	179	115	157	121	210	122
2	.....enterprises 1940..	3,625	197	115	206	73	81	57
3	Intercounty enterprises.....enterprises 1950..	105	7	1	4	5	7	2
4	Irrigated farms ¹.....farms 1950..	29,413	2,405	245	704	594	2,080	304
5	Average per enterprise.....farms 1950..	6.4	13.4	2.1	4.5	4.9	9.9	2.5
6	Farms irrigated direct per enterprise ².....farms 1950..	7.3	15.2	2.7	5.3	6.7	11.7	3.0
7	Irrigated land.....acres 1949..	2,167,879	102,978	24,075	37,851	48,960	156,560	36,290
8	.....acres 1939..	2,277,857	132,416	23,200	81,344	54,143	175,186	26,788
9	Average per irrigated farm.....acres 1949..	73.7	42.8	98.3	53.8	82.4	75.3	119.4
10	Average per enterprise.....acres 1949..	469	575	209	241	405	746	297
11	Average acreage irrigated direct per enterprise ².....acres 1949..	486	590	215	255	448	798	328
Type of enterprise, 1950:								
12	Single-farm.....enterprises..	3,557	144	73	103	67	148	94
13	.....acres irrigated..	347,620	6,886	7,789	5,144	5,808	11,733	14,012
Mutual:								
14	Unincorporated.....enterprises..	648	14	34	41	30	15	22
15	.....acres irrigated..	220,841	7,208	13,364	8,472	17,860	6,583	6,387
16	Incorporated.....enterprises..	348	15	6	11	24	41	4
17	.....acres irrigated..	1,035,999	19,162	1,988	11,725	30,497	101,694	14,543
18	Commercial.....enterprises..	3	1	.....	.....	.....	.....	.....
19	.....acres irrigated..	450	(³)	.....	.....	.....	.....	.....
20	District.....enterprises..	54	5	2	.....	.....	3	2
21	.....acres irrigated..	567,261	72,347	(³)	.....	.....	34,477	(³)
22	U. S. Bureau of Reclamation ⁴.....enterprises..	4	.....	.....	.....	.....	.....	.....
23	.....acres irrigated..	39,037	.....	.....	.....	.....	.....	.....
24	U. S. Bureau of Indian Affairs ⁴.....enterprises..	6	.....	.....	2	.....	3	.....
25	.....acres irrigated..	32,418	.....	.....	14,740	.....	13,146	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	1	.....	.....	.....	.....	.....	.....
29	.....acres irrigated..	(³)	.....	.....	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:								
Surface water:								
30	Gravity only.....enterprises reporting..	3,097	90	113	128	119	83	105
31	.....acres irrigated..	1,614,543	26,152	24,557	24,173	54,020	139,154	36,742
32	Pumped only.....enterprises reporting..	727	47	1	22	.....	38	.....
33	.....acres irrigated..	64,529	1,906	140	717	.....	5,342	.....
34	Gravity and pumped.....enterprises reporting..	165	10	.....	4	1	10	.....
35	.....acres irrigated..	279,901	29,971	.....	15,160	100	15,981	.....
36	Ground water only (pumped from wells).....enterprises reporting..	460	23	1	2	1	71	11
37	.....acres irrigated..	38,986	991	2	11	45	5,808	772
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	172	9	.....	1	.....	8	6
39	.....acres irrigated..	245,693	46,630	.....	20	.....	1,348	2,505
Stored water:								
40	None stored.....enterprises reporting..	3,978	135	86	149	109	142	110
41	.....acres irrigated..	769,104	14,635	14,054	20,184	51,802	35,693	26,102
42	Part stored.....enterprises reporting..	433	35	20	6	.....	40	5
43	.....acres irrigated..	1,402,236	90,536	10,469	19,869	1,762	130,463	8,162
44	All stored.....enterprises reporting..	210	9	9	2	6	28	7
45	.....acres irrigated..	72,312	479	176	28	601	1,477	5,755
Sources of surface water, 1949: ⁵								
46	Streams (and lakes).....enterprises reporting..	3,560	116	104	134	91	126	101
47	.....acres irrigated..	2,166,130	103,661	24,468	38,791	53,039	160,855	37,576
48	Springs.....enterprises reporting..	499	4	7	28	36	8	11
49	.....acres irrigated..	77,228	90	130	4,064	3,271	859	1,729
50	Flowing wells.....enterprises reporting..	176	31	.....	2	.....	6	7
51	.....acres irrigated..	84,195	21,755	.....	145	.....	179	431
52	Drainage water.....enterprises reporting..	324	18	6	.....	1	4	6
53	.....acres irrigated..	557,314	56,337	271	.....	5	549	322
54	Sewage.....enterprises reporting..	3	.....	.....	.....	.....	.....	.....
55	.....acres irrigated..	495	.....	.....	.....	.....	.....	.....
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
Drainage of irrigated land: ⁶								
Irrigated land drained:								
58	Enterprises reporting.....enterprises 1949..	335	42	5	5	8	30	1
59	Area supplied primary irrigation.....acres 1949..	827,602	77,951	1,194	497	5,378	53,269	165
60	Area artificially drained.....acres 1949..	292,594	48,958	560	230	733	8,775	100
61	.....acres 1939..	238,907	58,630	.....	15	75	2,953	.....
Irrigated land in need of drainage:								
62	Enterprises reporting.....enterprises 1949..	472	20	19	6	19	20	4
63	Area supplied primary irrigation.....acres 1949..	681,921	70,828	5,528	1,092	15,164	53,491	638
64	Area in need of drainage.....acres 1949..	120,390	7,885	288	288	6,733	13,515	88
65	.....acres 1939..	29,042	2,050	.....	514	4,905	3,090	.....

See footnotes at end of County Table 2, Part 1.

CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county or State, except where otherwise noted]

Boise	Bonner	Bonneville	Boundary	Butte	Camas	Canyon	Caribou	Cassia	Clark	Custer	Elmore	Franklin	Fremont	
62	20	110	10	48	19	226	151	228	53	208	113	139	64	1
101	43	103	8	21	17	84	64	87	75	160	130	83	82	2
.....	.....	14	.....	5	.....	11	9	5	1	8	3	14	15	3
70	34	1,339	10	225	44	3,873	392	1,150	46	296	347	905	658	4
1.1	1.7	12.2	1.0	4.7	2.3	17.1	2.6	5.0	0.9	1.4	3.1	6.5	10.3	5
1.3	1.7	13.6	1.0	5.2	2.4	17.9	3.3	5.5	0.9	1.8	3.5	8.9	13.7	6
4,939	628	109,906	422	29,204	6,438	193,298	47,915	103,246	12,020	52,115	27,616	38,922	62,093	7
5,763	1,571	122,287	228	27,562	8,545	180,511	12,407	84,689	11,808	33,635	23,473	54,062	86,727	8
70.6	18.5	82.1	42.2	129.8	146.3	49.9	122.2	89.8	261.3	176.1	79.6	43.0	94.4	9
80	31	999	42	608	339	855	317	453	227	251	244	280	970	10
80	31	1,004	42	640	339	865	338	459	229	256	248	326	1,022	11
55	17	73	10	38	17	180	97	209	53	174	108	72	29	12
2,904	461	6,674	422	8,785	2,863	9,441	13,721	26,441	12,145	28,906	11,076	1,696	5,960	13
7	2	8	.....	6	1	14	35	10	.....	31	.....	38	6	14
2,035	(³)	3,056	.....	1,933	(³)	6,405	12,778	4,065	.....	14,047	.....	7,543	2,988	15
.....	.....	22	.....	2	1	23	18	5	.....	2	1	28	25	16
.....	.....	39,051	.....	(³)	(³)	27,106	24,484	23,921	.....	(³)	(³)	35,129	54,014	17
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	(³)	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	6	.....	1	.....	8	.....	3	.....	1	3	1	3	20
.....	.....	61,656	.....	(³)	.....	140,651	.....	50,286	.....	(³)	15,370	(³)	3,357	21
.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	1	22
.....	.....	.....	.....	.....	.....	11,993	.....	.....	.....	.....	.....	.....	.....	23
.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
.....	(³)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
59	15	67	9	37	18	80	145	138	52	200	58	118	51	30
4,869	318	97,384	406	28,975	6,430	36,051	50,406	42,302	9,895	52,272	21,925	27,137	64,818	31
2	4	35	1	.....	.....	64	2	4	.....	1	13	9	8	32
20	280	11,122	16	.....	.....	2,660	74	2,051	.....	50	751	1,259	449	33
1	.....	6	.....	.....	.....	20	3	3	1	3	3	9	3	34
50	.....	1,565	.....	.....	.....	49,180	262	5,586	2,250	385	474	16,710	97	35
.....	.....	1	.....	9	1	56	.....	41	.....	2	31	2	.....	36
.....	.....	11	.....	1,340	8	2,115	.....	3,003	.....	4	925	62	.....	37
.....	1	1	.....	2	.....	6	.....	42	.....	2	8	1	2	38
.....	30	355	.....	397	.....	105,590	241	51,771	.....	465	3,959	100	65	39
58	19	81	10	47	16	197	140	205	51	205	108	112	33	40
4,803	393	14,983	422	14,913	4,683	23,245	47,926	39,912	11,706	44,820	21,267	20,027	12,899	41
2	1	28	.....	1	.....	21	4	14	1	3	4	13	28	42
95	235	95,437	.....	15,799	.....	167,818	2,515	33,563	250	8,356	2,428	24,214	52,418	43
2	.....	1	.....	.....	3	8	.....	9	1	.....	1	14	3	44
41	.....	17	.....	.....	1,755	2,533	542	11,238	189	.....	4,339	1,027	112	45
61	19	106	10	38	15	106	119	170	51	201	70	102	58	46
4,894	624	110,158	422	29,280	6,273	190,291	48,526	101,180	12,060	53,038	26,700	44,221	64,957	47
4	2	3	.....	3	3	8	47	51	3	14	11	29	6	48
202	9	849	.....	322	202	376	7,213	5,931	2,335	2,080	1,391	808	4,513	49
.....	.....	.....	.....	.....	1	21	2	5	.....	.....	3	2	.....	50
.....	.....	.....	.....	.....	20	31,690	301	1,815	.....	.....	198	108	.....	51
.....	.....	3	.....	.....	.....	77	1	23	.....	.....	4	12	6	52
.....	.....	277	.....	.....	.....	106,563	56	52,904	.....	.....	519	314	2,655	53
.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	54
.....	.....	.....	.....	.....	.....	3	.....	492	.....	.....	.....	.....	.....	55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
5	1	2	.....	.....	1	54	9	10	.....	.....	8	28	5	58
834	100	21,011	.....	.....	100	180,737	3,242	45,128	.....	.....	4,870	25,304	8,901	59
253	100	1,690	.....	.....	25	119,116	430	2,179	.....	.....	3,605	5,204	1,020	60
.....	15	(*)	.....	.....	.....	92,635	.....	(*)	.....	.....	1,000	250	100	61
3	1	1	.....	.....	2	38	18	24	3	14	13	38	10	62
649	100	21,000	.....	.....	200	60,995	8,324	55,339	554	2,369	5,750	30,634	12,064	63
327	50	1,200	.....	.....	27	31,806	1,659	763	90	273	2,437	6,784	2,115	64
.....	7	.....	(*)	.....	.....	5,618	(*)	(*)	.....	415	775	514	913	65

CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county or State, except where otherwise noted]

Lincoln	Madison	Minidoka	Nez Perce	Oneida	Owyhee	Payette	Power	Shoshone	Teton	Twin Falls	Valley	Washington	All other counties	
13	55	7	46	86	204	212	59	4	104	200	76	287	5	1
4	40	1	58	116	271	55	35	13	87	63	189	145	.....	2
2	14	2	.....	3	5	9	2	.....	6	7	3	3	.....	3
443	784	1,018	282	311	753	1,113	170	5	335	2,560	139	701	6	4
34.1	14.3	145.4	6.1	3.6	3.7	5.2	2.9	1.2	3.2	12.8	1.8	2.4	1.2	5
35.6	17.9	148.9	6.1	5.5	4.0	6.2	3.6	1.2	4.3	13.6	2.5	3.0	1.0	6
44,513	56,837	60,289	1,816	18,950	76,436	54,056	11,704	59	38,188	239,726	28,608	30,164	30	7
53,241	59,611	55,030	4,346	17,177	62,052	40,039	10,405	151	42,044	237,950	45,649	31,645	.....	8
100.5	72.5	59.2	6.4	60.9	101.5	48.6	68.8	11.8	114.0	93.6	205.8	43.0	5.0	9
3,424	1,033	8,613	39	220	375	255	198	1.5	367	1,199	376	105	6	10
3,491	1,091	8,620	40	262	378	259	199	1.5	389	1,212	432	110	6	11
11	18	4	43	50	189	176	30	4	55	182	60	224	5	12
192	1,529	439	499	3,671	27,624	8,805	1,936	59	6,060	20,386	10,309	8,336	30	13
.....	12	.....	.....	21	3	19	23	.....	38	12	6	48	.....	14
.....	4,375	.....	.....	2,870	475	4,762	3,073	.....	12,441	9,159	2,140	7,773	.....	15
1	22	1	1	15	5	15	4	.....	11	5	6	9	.....	16
(3)	47,414	(3)	(3)	15,952	6,077	23,165	5,931	.....	21,943	212,701	9,600	7,162	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
1	3	1	1	.....	5	1	.....	.....	.....	1	3	6	.....	19
(3)	6,688	(3)	(3)	.....	28,555	(3)	.....	.....	.....	(3)	10,792	8,175	.....	20
.....	.....	1	.....	.....	1	1	1	.....	.....	.....	1	.....	.....	21
.....	.....	397	.....	.....	10,721	15,232	.....	.....	.....	.....	.....	.....	.....	22
.....	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	23
.....	.....	.....	7	.....	3,710	.....	815	.....	.....	.....	.....	.....	.....	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
4	45	.....	25	64	155	49	46	4	101	79	65	142	2	30
45,253	59,381	.....	139	17,488	31,810	32,750	9,840	59	39,857	218,870	31,332	25,722	23	31
9	5	2	16	.....	19	118	.....	.....	.....	52	7	52	3	32
126	232	29	391	.....	3,911	5,028	.....	.....	.....	12,047	664	2,309	7	33
.....	2	1	2	.....	10	24	2	.....	1	7	3	17	.....	34
.....	362	56,175	1,285	.....	39,057	16,601	944	.....	5	3,124	745	873	.....	35
.....	3	3	.....	18	3	19	8	.....	2	47	.....	56	.....	36
.....	31	3,742	.....	2,915	168	377	610	.....	582	5,142	.....	1,652	.....	37
.....	.....	1	3	4	17	2	3	.....	.....	15	1	20	.....	38
.....	.....	397	11	2,090	2,216	138	360	.....	.....	3,265	100	890	.....	39
11	32	5	40	70	172	172	53	3	98	162	46	246	5	40
192	12,762	3,771	451	11,206	31,740	12,171	6,680	39	39,770	21,341	16,225	12,664	30	41
2	22	2	4	11	25	30	5	1	3	19	12	32	.....	42
45,187	47,082	56,372	1,327	10,845	43,902	39,109	5,043	20	571	189,221	14,676	18,241	.....	43
.....	1	.....	2	5	7	10	1	.....	3	19	18	9	.....	44
.....	162	.....	48	442	1,520	3,614	31	.....	103	31,886	1,940	541	.....	45
7	48	2	41	31	186	170	45	3	81	100	72	215	4	46
45,278	59,597	56,572	1,783	15,877	76,081	52,583	10,863	53	37,149	232,812	32,566	29,527	27	47
.....	5	.....	4	18	11	4	7	1	25	39	3	10	1	48
.....	658	.....	40	7,652	6,246	344	448	6	2,985	10,411	210	452	3	49
.....	.....	.....	4	27	36	.....	1	.....	.....	6	.....	8	.....	50
.....	.....	.....	21	2,136	4,461	.....	2	.....	.....	1,443	.....	399	.....	51
8	2	3	.....	1	2	35	.....	.....	4	41	4	15	.....	52
45,288	145	56,204	.....	60	273	3,411	.....	.....	1,510	183,752	1,008	4,837	.....	53
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
.....	2	2	.....	1	10	39	.....	.....	2	4	8	6	.....	58
.....	2,963	56,150	.....	150	38,747	41,349	.....	.....	492	180,608	9,864	4,951	.....	59
.....	150	30,012	.....	10	19,514	22,455	.....	.....	75	8,083	1,145	2,662	.....	60
.....	40	30,000	.....	.....	9,702	18,781	(*)	.....	980	5,708	.....	(*)	.....	61
.....	2	1	.....	9	33	25	2	1	9	11	10	22	.....	62
.....	5,390	170	.....	6,225	29,722	19,421	131	30	8,286	181,608	11,170	9,567	.....	63
.....	350	80	.....	2,082	10,096	11,658	31	5	1,450	1,233	1,590	5,096	.....	64
.....	1,040	350	.....	(*)	1,110	1,515	(*)	.....	300	522	.....	(*)	.....	65

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS.

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty enterprises,

Item (For definitions and explanations, see text)		The State	Ada	Adams	Bannock	Bear Lake	Bingham	Blaine
ALL ENTERPRISES								
Irrigation works:								
1	Diversion dams.....enterprises reporting 1950..	2,691	53	99	117	99	48	94
2	Diversion dams.....dams 1950..	5,121	68	213	187	213	68	138
3	Diversion dams.....dams 1940..	3,209	71	39	180	122	38	58
Diversion dams by material:								
4	Concrete or masonry.....dams 1950..	654	14	17	31	50	16	22
5	Timber.....dams 1950..	562	9	43	11	37	2	37
6	Earth and rock.....dams 1950..	3,628	35	141	143	121	47	59
7	Other, mixed, and not reported.....dams 1950..	677	10	12	2	5	3	20
8	Reservoirs.....enterprises reporting 1950..	275	10	8	6	13	7	13
9	Reservoirs.....reservoirs 1950..	364	12	11	7	15	7	14
10	Reservoirs.....reservoirs 1940..	290	22	9	21	11	6	7
11	Reservoirs for which capacity was reported.....reservoirs 1950..	313	12	9	3	12	7	12
12	Reservoirs.....total capacity, acre-feet 1950..	5,124,966	7,973	25,412	950	2,790	977	218,199
13	Reservoirs.....total capacity, acre-feet 1940..	3,795,272	12,117	25,787	17,483	1,265	654	314,647
Reservoirs by capacity:								
14	1-99 acre-feet.....reservoirs 1950..	167	10	2	1	5	5	7
15	100-999 acre-feet.....reservoirs 1950..	74	.....	3	2	.....	2	2
16	1,000 acre-feet and over.....reservoirs 1950..	72	2	4	.....	1	.....	3
Reservoir dams by material:								
17	Concrete or masonry.....dams 1950..	24	.....	.....	.....	.....	.....	1
18	Earth and rock.....dams 1950..	280	9	7	7	14	7	11
19	Other, mixed, and not reported.....dams 1950..	60	3	4	.....	1	.....	2
20	Canals and ditches.....enterprises reporting 1950..	2,526	73	86	93	104	97	53
21	Canals and ditches.....total length, miles 1950..	15,159	716	238	416	346	898	148
22	Canals and ditches.....total length, miles 1940..	13,602	735	180	667	300	820	174
23	Pipelines and siphons ¹.....enterprises reporting 1950..	325	17	3	13	.....	12	.....
24	Pipelines and siphons ¹.....total length, miles 1950..	487	30	6	5	.....	7	.....
25	Pipelines and siphons ¹.....total length, miles 1940..	300	3	4	11	(²)	3	.....
26	Tunnels.....enterprises reporting 1950..	13	.....	.....	2	.....	.....	2
27	Tunnels.....total length, feet 1950..	38,229	.....	.....	1,338	.....	.....	774
28	Flowing wells.....enterprises reporting 1950..	172	30	.....	2	.....	6	7
29	Flowing wells.....wells 1950..	458	55	.....	5	.....	6	11
30	Flowing wells.....wells 1940..	375	67	.....	.....	.....	1	.....
31	Pumped wells.....enterprises reporting 1950..	629	32	1	3	1	78	17
32	Pumped wells.....wells 1950..	888	37	3	3	1	91	21
33	Pumped wells.....wells 1940..	309	64	.....	3	.....	1	7
34	Wells for which pumping lift was reported.....wells 1949..	800	35	.....	2	.....	89	17
35	Wells for which pumping lift was reported.....wells 1949..	50	37	.....	11	16	53	18
36	Average pumping lift.....feet 1939..	29	25	.....	14	.....	(*)	19
37	Irrigation pumps.....enterprises reporting 1950..	1,496	85	3	30	1	128	17
38	Irrigation pumps.....pumps 1950..	2,151	105	4	37	1	170	21
39	Irrigation pumps.....pumps 1940..	665	102	1	25	1	23	7
40	Electric motors used for pumping.....enterprises reporting 1950..	1,305	81	1	20	.....	113	13
41	Electric motors used for pumping.....electric motors 1950..	1,920	98	1	21	.....	147	14
42	Other motors and engines used for pumping.....enterprises reporting 1950..	225	6	1	10	1	28	5
43	Other motors and engines used for pumping.....other motors and engines 1950..	253	6	1	13	1	34	7
Season of irrigation, 1949:								
44	Water delivered only before July 1.....enterprises reporting..	147	6	1	10	3	1	.....
45	Water delivered only before July 1.....acres irrigated..	19,152	393	83	866	615	15	.....
46	Water delivered before and after July 1.....enterprises reporting..	4,266	160	110	141	114	199	111
47	Water delivered before and after July 1.....acres irrigated..	2,205,516	103,792	24,560	37,025	53,230	166,573	38,119
48	Water delivered only after July 1.....enterprises reporting..	134	9	4	2	4	7	7
49	Water delivered only after July 1.....acres irrigated..	8,365	527	56	436	320	192	312
Capital investment:								
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	102,585,798	6,314,776	304,261	2,040,927	291,165	6,139,576	820,616
51	New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
52	Enterprises reporting.....enterprises 1950..	2,091	71	41	40	49	132	58
53	Amount.....dollars 1950..	27,387,756	229,034	29,696	117,806	62,240	420,371	114,890
54	Area irrigated direct.....acres 1949..	960,583	60,255	11,174	20,859	17,677	41,659	25,133
54	Total capital investment Jan. 1, 1950.....dollars 1950..	129,973,554	6,543,810	333,957	2,158,733	353,405	6,559,947	935,506
Indebtedness: ³								
55	Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
56	Enterprises reporting.....enterprises 1950..	92	6	2	.....	2	5	1
57	Amount.....dollars 1950..	42,458,116	4,200,511	32,000	.....	3,500	145,596	39,000
57	Amount.....dollars 1940..	26,418,138	3,617,245	56,940	878,871	2,067	1,538,768	27,081
58	Area irrigated direct.....acres 1949..	724,513	74,090	1,558	.....	1,709	33,135	7,519
59	Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
60	Enterprises reporting.....enterprises 1950..	4	.....	.....	.....	.....	.....	.....
60	Amount.....dollars 1950..	3,240	.....	.....	.....	.....	.....	.....
61	Area irrigated direct.....acres 1949..	1,200	.....	.....	.....	.....	.....	.....

See footnotes at end of County Table 2, Part 2.

BY COUNTIES: CENSUSES OF 1950 AND 1940

data represent characteristics within the county or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Boise	Bonner	Bonneville	Boundary	Butte	Camas	Canyon	Caribou	Cassia	Clark	Custer	Elmore	Franklin	Fremont
56	17	42	8	33	15	59	126	151	52	169	56	109	42
89	26	113	9	52	45	65	269	380	169	254	85	151	79
151	52	53	4	46	21	33	57	127	102	185	116	44	68
3	8	42	.....	22	2	13	30	78	15	36	5	27	25
3	2	9	.....	12	4	12	26	56	18	16	15	7	3
78	16	62	.....	17	39	38	189	243	119	199	65	112	34
5	.....	.....	.....	1	.....	2	24	3	17	3	.....	5	17
4	1	3	.....	.....	3	5	11	17	3	2	6	23	8
4	1	4	.....	.....	4	6	11	27	3	2	9	26	9
10	6	2	.....	.....	7	1	7	17	.....	1	15	10	8
3	1	4	.....	.....	4	4	11	23	2	2	9	22	8
306	450	41,218	.....	.....	38,400	171,053	427,522	173,978	20,000	38,705	785,575	29,185	214,600
112	904	(*)	.....	(*)	38,200	177,150	200,076	76,575	.....	(*)	321,789	23,275	210,507
1	.....	2	.....	1	.....	1	7	19	.....	.....	1	13	3
2	1	.....	.....	.....	2	.....	2	2	.....	1	3	3	2
.....	.....	2	.....	.....	2	.....	3	2	.....	1	5	6	3
.....	1	.....	.....	.....	1	.....	.....	1	.....	1	1	1	1
4	.....	3	.....	1	.....	4	11	22	3	1	8	21	7
.....	.....	1	.....	.....	1	2	.....	4	.....	.....	.....	4	1
56	5	60	7	35	14	74	114	135	33	178	16	101	46
116	5	511	8	187	36	1,740	317	708	123	527	218	392	378
117	10	546	4	184	23	1,114	98	504	109	513	309	298	384
9	3	6	.....	1	1	20	6	9	1	6	2	10	2
3	1	1	.....	(2)	(2)	53	3	56	2	3	6	6	86
1	2	2	.....	1	.....	37	.....	3	.....	3	18	7	1
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	3	.....
.....	.....	.....	.....	.....	1	21	2	5	.....	.....	13,380	6,300	.....
.....	.....	.....	.....	.....	1	70	12	8	.....	.....	3	2	.....
.....	.....	.....	.....	.....	.....	30	.....	4	.....	.....	3	2	.....
.....	1	2	.....	11	1	62	.....	83	.....	3	38	3	1
.....	1	2	.....	14	1	77	.....	133	.....	3	45	3	1
1	.....	.....	.....	.....	.....	39	.....	39	.....	1	9	6	.....
.....	.....	2	.....	14	1	68	.....	124	.....	2	40	3	.....
.....	.....	8	.....	52	14	59	.....	50	.....	14	20	82	.....
(*)	.....	.....	.....	.....	.....	22	.....	40	.....	(*)	18	23	(*)
4	5	42	1	11	1	137	4	88	.....	6	53	19	12
4	6	64	1	14	1	176	4	161	.....	6	73	31	12
4	1	17	.....	.....	.....	70	1	59	.....	1	17	20	2
2	4	39	1	8	1	128	1	68	.....	.....	52	14	2
2	4	62	1	11	1	167	1	136	.....	.....	71	26	2
2	2	4	.....	3	.....	8	3	25	.....	6	1	5	8
2	2	4	.....	3	.....	8	3	27	.....	7	1	6	8
3	.....	.....	.....	.....	5	4	.....	14	9	.....	2	3	1
380	.....	.....	.....	.....	1,128	210	.....	4,961	1,516	.....	199	531	15
58	10	105	5	46	12	208	.....	207	41	206	102	131	52
4,547	420	110,221	329	30,555	5,282	194,753	47,365	99,029	10,494	53,165	26,655	44,185	64,715
1	6	5	5	1	2	9	7	3	.....	2	3	4	10
12	185	216	93	60	28	372	993	220	.....	11	95	348	699
47,841	15,901	4,947,094	5,350	565,298	54,670	11,742,448	50,409	5,213,762	66,249	437,536	2,274,092	2,777,272	2,899,735
19	9	50	3	24	11	119	39	112	14	93	42	41	28
6,611	6,144	211,276	505	105,948	4,800	3,393,310	125,887	718,262	35,500	145,851	5,244,698	968,560	127,614
2,391	305	51,162	156	25,218	2,256	105,294	25,889	28,238	5,552	33,995	11,215	32,873	29,440
54,452	22,043	5,158,370	5,855	671,246	59,470	15,135,758	176,296	5,932,024	101,749	583,387	7,518,770	3,745,832	3,027,349
.....	.....	5	.....	1	1	9	6	4	.....	1	.....	5	9
.....	.....	46,306	.....	75,900	2,600	13,074,892	85,026	434,744	.....	39,100	.....	595,900	1,958,421
.....	.....	168,431	.....	142,800	.....	6,439,586	437	1,890,670	.....	95,200	65,000	110,960	1,921,970
.....	.....	24,899	.....	15,799	1,575	153,296	8,499	51,477	.....	8,226	.....	13,789	23,938
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	1,000
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	200	375

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS.

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty enterprises.

Item (For definitions and explanations, see text)		Gem	Gooding	Idaho	Jefferson	Jerome	Kootenai	Lemhi
ALL ENTERPRISES								
Irrigation works:								
1	Diversions dams.....enterprises reporting 1950..	66	73	66	34	5	12	353
2	dams 1950..	96	97	104	37	5	15	774
3	1940..	35	36	111	11	2	4	542
Diversions dams by material:								
4	Concrete or masonry.....dams 1950..	18	36	.....	9	.....	3	12
5	Timber.....dams 1950..	18	3	8	9	1	.....	64
6	Earth and rock.....dams 1950..	57	53	96	16	4	12	662
7	Other, mixed, and not reported.....dams 1950..	3	5	.....	3	.....	.....	36
8	Reservoirs.....enterprises reporting 1950..	7	6	3	2	1	2	13
9	reservoirs 1950..	8	7	3	2	1	2	18
10	1940..	5	3	4	2	1	2	6
11	Reservoirs for which capacity was reported.....reservoirs 1950..	8	7	3	1	3	3	15
12	total capacity, acre-feet 1950..	4,946	2,373	5	3,000	.....	606	4,686
13	1940..	4,543	3,703	15	(*)	(*)	(*)	108
Reservoirs by capacity:								
14	1-99 acre-feet.....reservoirs 1950..	6	3	.....	.....	.....	2	10
15	100-999 acre-feet.....reservoirs 1950..	1	4	.....	.....	.....	1	4
16	1,000 acre-feet and over.....reservoirs 1950..	1	.....	.....	1	.....	.....	1
Reservoir dams by material:								
17	Concrete or masonry.....dams 1950..	.....	1	.....	.....	.....	.....	.....
18	Earth and rock.....dams 1950..	6	5	1	2	1	2	14
19	Other, mixed, and not reported.....dams 1950..	2	1	2	.....	.....	1	4
20	Canals and ditches.....enterprises reporting 1950..	57	65	65	99	9	8	277
21	total length, miles 1950..	236	427	63	487	914	67	571
22	1940..	225	748	112	308	550	32	860
23	Pipelines and siphons ¹.....enterprises reporting 1950..	21	26	14	5	5	6	10
24	total length, miles 1950..	7	13	6	1	1	60	3
25	1940..	23	10	2	(²)	1	67	1
26	Tunnels.....enterprises reporting 1950..	1	3	.....	.....	.....	.....	.....
27	total length, feet 1950..	10,742	345	.....	.....	.....	.....	.....
28	Flowing wells.....enterprises reporting 1950..	5	6	.....	3	.....	.....	.....
29	wells 1950..	5	6	.....	24	.....	.....	.....
30	1940..	.....	.....	.....	30	.....	.....	.....
31	Pumped wells.....enterprises reporting 1950..	8	3	.....	54	.....	1	8
32	wells 1950..	8	3	.....	105	.....	1	8
33	1940..	.....	.....	.....	57	.....	2	.....
34	Wells for which pumping lift was reported.....wells 1949..	7	3	.....	102	.....	.....	6
35	Average pumping lift.....feet 1949..	38	70	.....	18	.....	.....	19
36	1939..	.....	.....	.....	18	.....	(*)	.....
37	Irrigation pumps.....enterprises reporting 1950..	78	11	5	88	62	38	19
38	pumps 1950..	95	15	5	166	87	44	21
39	pumping plants 1940..	16	.....	1	56	14	13	3
40	Electric motors used for pumping.....enterprises reporting 1950..	57	8	1	81	61	36	9
41	electric motors 1950..	70	11	1	165	86	41	9
42	Other motors and engines used for pumping.....enterprises reporting 1950..	23	3	2	12	1	3	13
43	other motors and engines 1950..	23	3	2	14	1	3	14
Season of irrigation, 1949:								
44	Water delivered only before July 1.....enterprises reporting..	2	.....	.....	3	.....	.....	7
45	acres irrigated.....	23	.....	.....	650	.....	.....	909
46	Water delivered before and after July 1.....enterprises reporting..	144	103	66	161	67	44	365
47	acres irrigated.....	43,151	85,167	1,352	110,981	97,854	3,305	76,755
48	Water delivered only after July 1.....enterprises reporting..	.....	1	6	2	2	3	2
49	acres irrigated.....	.....	180	81	37	27	566	17
Capital Investment:								
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	2,808,841	10,194,078	66,504	2,634,484	9,059,767	685,796	467,707
New capital investment Jan. 1, 1940, to Jan. 1, 1950:								
51	Enterprises reporting.....enterprises 1950..	101	31	19	99	57	40	126
52	Amount.....dollars 1950..	572,593	58,084	8,537	577,087	789,732	503,879	134,428
53	Area irrigated direct.....acres 1949..	11,933	4,546	419	90,861	13,776	2,797	39,895
54	Total capital investment Jan. 1, 1950.....dollars 1950..	3,381,434	10,252,162	75,041	3,211,571	9,849,499	1,189,675	602,135
Indebtedness: ¹								
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
55	Enterprises reporting.....enterprises 1950..	3	3	.....	8	1	3	.....
56	Amount.....dollars 1950..	870,229	3,041,513	.....	128,451	831,134	299,900	.....
57	1940..	1,000,787	3,550,142	.....	125,578	.....	347,478	.....
58	Area irrigated direct.....acres 1949..	21,422	32,970	.....	30,402	3,667	1,747	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
59	Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....	.....
60	Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....	.....
61	Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....	.....

*Not available.

¹Pipelines in farm-distribution systems were included in 1940, not included in 1950.²Less than 0.05.³Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are included in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises,

Item (For definitions and explanations, see text)	The State	Ada	Adams	Bannock	Bear Lake	Bingham	Blaine
ALL ENTERPRISES							
Cost of water to farms, 1949:¹							
Total cost of water to farms:							
1	Enterprises reporting.....enterprises..	4,572	179	110	156	209	118
2	Cost.....dollars..	6,127,513	509,898	26,515	95,422	26,613	43,053
3	Area irrigated direct.....acres..	2,243,652	105,650	24,699	40,081	54,165	167,633
4	Cost per acre irrigated direct.....dollars..	2.73	4.83	1.07	2.38	0.49	2.29
5	Total cost per irrigated acre.....dollars..	2.83	4.95	1.10	2.52	0.54	2.45
6	Total cost per acre-foot of water ².....dollars..	0.53	0.95	0.31	0.43	0.15	0.26
Enterprises by cost per acre:							
7	Less than \$1.00.....enterprises reporting..	2,543	75	85	114	89	40
8	Cost.....dollars..	604,660	10,910	15,223	13,675	43,767	21,329
9	Area irrigated.....acres..	454	19	15	10	13	34
10	\$1.00-\$1.99.....enterprises reporting..	352,861	18,235	5,431	4,976	5,376	49,842
11	Cost.....dollars..	698	36	8	11	15	64
12	Area irrigated.....acres..	851,563	9,118	2,485	20,863	4,907	89,761
13	\$5.00-\$9.99.....enterprises reporting..	495	18	2	11	2	42
14	Cost.....dollars..	408,123	67,192	1,560	389	100	5,564
15	Area irrigated.....acres..	382	31	1	10	1	29
16	\$10.00 and over.....enterprises reporting..	26,445	195	.....	178	15	1,137
17	Cost.....dollars..	4,338	157	108	149	118	209
18	Area irrigated.....acres..	5,960,033	500,185	26,286	92,504	24,336	367,305
19	Cost per acre supplied.....dollars..	2,167,879	102,978	24,075	37,851	48,960	156,560
20	Cost per acre supplied.....dollars..	2.75	4.86	1.09	2.44	0.50	2.35
Cost of water for supplemental irrigation:							
21	Enterprises reporting.....enterprises..	451	31	5	16	18	14
22	Cost.....dollars..	167,480	9,713	229	2,918	2,277	16,407
23	Area irrigated.....acres..	75,773	2,672	624	2,230	5,205	11,073
24	Cost per acre supplied.....dollars..	2.21	3.64	0.37	1.31	0.44	1.48
Cost to farms for purposes other than operation and maintenance: ⁴							
25	Enterprises reporting.....enterprises..	196	16	16	2	5	10
26	Cost.....dollars..	1,407,636	219,394	11,636	688	1,680	56,640
27	Area irrigated direct.....acres..	925,655	88,209	9,641	14,951	3,940	88,189
28	Cost per acre irrigated.....dollars..	1.52	2.49	1.21	0.05	0.43	0.64
Arrearage in payments by farms, Jan. 1, 1950: ⁴							
29	Enterprises reporting.....enterprises..	136	13	1	7	6	8
30	Amount.....dollars..	318,779	8,442	675	13,731	3,736	12,862
31	Area irrigated direct.....acres..	797,508	40,867	1,558	22,717	6,398	51,433
SINGLE-FARM ENTERPRISES, 1950							
32	Single-farm enterprises.....enterprises..	3,557	144	73	103	67	148
33	Area irrigated.....acres..	347,620	6,886	7,789	5,144	5,808	11,733
34	Complete-system enterprises ⁵.....enterprises..	2,892	104	59	101	64	108
35	Area irrigated.....acres..	301,496	5,464	6,000	4,650	4,728	9,309
Other farms irrigated:							
36	Enterprises reporting.....number..	108	3	1	3	.....	7
37	Number of other farms.....farms..	135	4	1	3	.....	7
38	Area irrigated in other farms.....acres..	5,009	292	80	43	.....	444
Enterprises by origin of water supply: ⁵							
39	No water from other enterprises.....enterprises reporting..	2,926	105	59	101	64	108
40	Cost.....dollars..	302,118	5,456	6,000	4,650	4,748	9,309
41	Area irrigated.....acres..	152	12	5	2	2	4
42	Part of water from other enterprises.....enterprises reporting..	19,672	523	1,375	494	960	623
43	Cost.....dollars..	479	27	9	.....	1	36
44	Area irrigated.....acres..	25,830	907	414	.....	100	1,801
Enterprises by primary and supplemental irrigation:							
45	All primary.....enterprises reporting..	3,282	120	71	99	67	148
46	Cost.....dollars..	332,678	5,554	7,494	4,261	5,808	11,733
47	Area irrigated.....acres..	33	2	.....	3	.....	1
48	Part primary, part supplemental.....enterprises reporting..	1,703	178	.....	147	.....	332
49	Cost.....dollars..	2,551	82	.....	436	.....	46
50	Area irrigated.....acres..	220	22	2	1	.....	10
51	All supplemental.....enterprises reporting..	10,688	1,072	295	300	.....	911
52	Cost.....dollars..	.....	.....	.....	.....	.....	.....
53	Area irrigated.....acres..	.....	.....	.....	.....	.....	.....
Enterprises by number of acres irrigated: ⁵							
52	None.....enterprises reporting..	22	.....	.....	.....	.....	2
53	1-9 acres.....enterprises reporting..	571	50	10	29	6	4
54	10-29 acres.....enterprises reporting..	760	36	22	30	20	15
55	30-59 acres.....enterprises reporting..	694	23	13	17	12	17
56	60-99 acres.....enterprises reporting..	520	14	9	11	11	22
57	100-199 acres.....enterprises reporting..	542	11	12	10	10	19
58	200-499 acres.....enterprises reporting..	354	10	5	6	6	10
59	500-999 acres.....enterprises reporting..	61	.....	1	.....	1	2
60	1,000 acres or more.....enterprises reporting..	33	.....	1	.....	1	4

See footnotes at end of County Table 2, Part 3.

CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

data represent characteristics within the county or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Boise	Bonner	Bonneville	Boundary	Butte	Camas	Canyon	Caribou	Cassia	Clark	Custer	Elmore	Franklin	Fremont	
61	20	109	10	48	19	224	150	225	49	205	111	139	59	1
1,689	732	183,414	210	52,584	2,844	1,028,849	57,054	410,799	5,684	44,380	89,289	155,835	138,265	2
4,939	628	110,437	422	30,712	6,438	195,596	50,983	104,713	12,145	53,176	28,034	45,268	65,429	3
0.34	1.17	1.66	0.50	1.71	0.44	5.26	1.12	3.92	0.47	0.83	3.19	3.44	2.11	4
0.34	1.17	1.67	0.50	1.80	0.44	5.32	1.19	3.98	0.47	0.85	3.23	4.00	2.23	5
0.09	0.42	0.32	(3)	0.53	(3)	1.00	0.28	1.14	(3)	0.14	0.54	1.60	0.28	6
45	15	51	8	36	17	69	114	130	43	166	57	92	21	7
4,421	312	36,335	336	10,285	4,855	9,763	27,151	34,362	11,436	38,479	8,903	11,915	9,739	8
8	1	13	.....	4	1	34	25	15	4	13	6	24	11	9
305	235	52,175	.....	3,663	1,575	22,719	16,646	13,305	669	1,807	451	6,489	17,133	10
5	3	19	2	7	.....	48	8	37	2	17	16	12	21	11
122	66	18,126	86	16,631	.....	42,549	7,080	8,502	40	12,452	10,531	13,473	37,647	12
2	.....	21	.....	.....	1	33	2	28	.....	5	18	6	3	13
90	.....	2,906	.....	.....	8	118,446	76	46,851	.....	328	7,953	12,791	120	14
1	1	5	.....	1	.....	40	1	15	.....	4	14	5	3	15
1	15	355	.....	133	.....	2,119	30	1,693	.....	110	196	600	790	16
61	20	109	10	43	19	171	147	208	49	204	102	135	57	17
1,689	732	182,510	210	50,980	2,844	1,020,438	53,955	401,327	5,470	43,106	88,928	133,829	132,125	18
4,939	628	109,906	422	29,204	6,438	193,298	47,915	103,246	12,020	52,115	27,616	38,922	62,093	19
0.34	1.17	1.66	0.50	1.75	0.44	5.28	1.13	3.89	0.46	0.83	3.22	3.44	2.13	20
.....	.....	5	.....	8	.....	62	9	23	1	3	10	23	14	21
.....	.....	904	.....	1,604	.....	8,411	3,099	9,472	214	1,274	361	22,006	6,140	22
.....	.....	531	.....	1,508	.....	2,298	3,068	1,467	125	1,061	418	6,346	3,336	23
.....	.....	1.70	.....	1.06	.....	3.66	1.01	6.46	1.71	1.20	0.86	3.47	1.84	24
.....	.....	8	.....	2	.....	10	14	4	.....	1	1	13	27	25
.....	.....	13,823	.....	10,088	.....	389,823	6,609	105,075	.....	4,681	1,176	61,142	48,714	26
.....	.....	25,734	.....	19,250	.....	149,879	21,170	51,477	.....	8,226	4,339	29,104	57,405	27
.....	.....	0.54	.....	0.52	.....	2.60	0.31	2.04	.....	0.57	0.27	2.10	0.85	28
1	.....	11	.....	3	.....	13	6	4	.....	3	.....	10	15	29
80	.....	9,959	.....	5,446	.....	13,508	2,496	2,197	.....	3,117	.....	4,082	15,655	30
139	.....	77,025	.....	16,543	.....	73,009	11,151	16,232	.....	10,223	.....	23,819	25,436	31
55	17	73	10	38	17	180	97	209	53	174	108	72	29	32
2,904	461	6,674	422	8,785	2,863	9,441	13,721	26,441	12,145	28,906	11,076	1,696	5,960	33
54	17	42	10	38	16	151	86	164	49	168	102	67	22	34
2,904	461	4,788	422	8,785	2,783	7,247	12,742	21,561	12,145	27,957	10,850	1,529	5,500	35
3	1	1	.....	3	.....	4	3	3	1	3	.....	3	.....	36
4	3	1	.....	3	.....	4	3	3	2	4	.....	3	.....	37
193	174	21	.....	180	.....	73	215	230	14	275	.....	17	.....	38
55	17	42	10	38	16	153	86	166	53	170	105	67	23	39
2,904	461	4,788	422	8,785	2,783	7,251	12,742	21,561	12,145	28,104	10,899	1,529	5,500	40
.....	.....	1	.....	.....	.....	4	6	37	.....	1	3	4	1	41
.....	.....	52	.....	.....	.....	707	747	4,327	.....	415	177	160	65	42
.....	.....	30	.....	.....	1	23	5	6	.....	3	.....	1	5	43
.....	.....	1,834	.....	.....	80	1,483	232	553	.....	387	.....	7	395	44
54	17	73	10	32	17	122	96	189	48	172	97	67	26	45
2,904	461	6,674	422	7,586	2,863	7,971	13,681	25,261	11,956	28,745	10,657	1,602	5,779	46
.....	.....	.....	.....	1	.....	4	.....	1	1	.....	1	1	.....	47
.....	.....	.....	.....	30	.....	94	.....	79	64	.....	1	1	.....	48
.....	.....	.....	.....	730	.....	67	.....	80	125	.....	1	34	.....	49
.....	.....	.....	.....	5	.....	53	1	17	.....	1	9	4	2	50
.....	.....	.....	.....	439	.....	1,309	40	1,021	.....	161	417	59	181	51
1	.....	.....	.....	.....	.....	1	.....	2	4	1	.....	1	.....	52
5	10	4	2	.....	1	41	2	11	7	28	24	.....	2	53
15	4	22	2	1	1	51	19	28	2	10	14	29	7	54
17	1	14	3	6	2	38	24	40	5	32	17	13	3	55
9	.....	9	1	5	4	25	22	40	3	32	18	4	6	56
6	1	15	2	15	5	15	14	43	17	46	13	.....	7	57
2	1	6	.....	4	2	7	12	38	17	30	12	2	1	58
.....	.....	3	.....	5	2	2	.....	6	1	12	4	.....	.....	59
.....	.....	.....	.....	2	.....	.....	4	1	2	4	1	.....	2	60

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are included in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises,

Item (For definitions and explanations, see text)	Gen	Gooding	Idaho	Jefferson	Jerome	Kootenai	Leah
ALL ENTERPRISES							
Cost of water to farms, 1949: ¹							
Total cost of water to farms:							
1 Enterprises reporting.....enterprises..	144	103	71	169	69	50	377
2 Cost.....dollars..	133,990	279,074	3,325	200,800	279,640	53,136	23,642
3 Area irrigated direct.....acres..	43,185	85,347	1,434	111,899	97,883	3,915	77,697
4 Cost per acre irrigated direct.....dollars..	3.10	3.27	2.32	1.79	2.86	13.57	0.30
5 Total cost per irrigated acre.....dollars..	3.16	3.29	2.32	1.90	2.89	13.84	0.31
6 Total cost per acre-foot of water ².....dollars..	0.43	0.60	(³)	0.25	0.52	3.55	0.05
Enterprises by cost per acre:							
7 Less than \$1.00.....enterprises reporting..	51	77	43	55	5	10	330
8 acres irrigated.....	15,484	8,670	754	30,680	178	78	74,159
9 \$1.00-\$1.99.....enterprises reporting..	20	5	4	47	.....	1	24
10 acres irrigated.....	3,287	1,050	58	48,613	.....	20	2,703
11 \$2.00-\$4.99.....enterprises reporting..	23	13	11	45	26	7	14
12 acres irrigated.....	22,024	50,296	403	28,639	96,134	345	687
13 \$5.00-\$9.99.....enterprises reporting..	21	5	6	12	27	21	4
14 acres irrigated.....	2,005	25,138	146	3,369	1,247	2,151	117
15 \$10.00 and over.....enterprises reporting..	29	3	7	10	11	11	5
16 acres irrigated.....	385	193	73	598	324	1,321	31
Cost of water for primary irrigation:							
17 Enterprises reporting.....enterprises..	123	99	71	166	57	48	374
18 Cost.....dollars..	133,081	275,592	3,325	190,138	274,998	52,536	23,136
19 Area supplied primary irrigation.....acres..	42,396	84,726	1,434	105,611	96,821	3,840	76,199
20 Cost per acre supplied.....dollars..	3.14	3.25	2.32	1.80	2.84	13.68	0.30
Cost of water for supplemental irrigation:							
21 Enterprises reporting.....enterprises..	25	11	.....	17	16	2	11
22 Cost.....dollars..	869	3,482	.....	10,662	4,642	600	506
23 Area supplied supplemental irrigation.....acres..	789	621	.....	6,288	1,062	75	1,498
24 Cost per acre supplied.....dollars..	1.10	5.61	.....	1.70	4.37	8.00	0.34
Cost to farms for purposes other than operation and maintenance: ⁴							
25 Enterprises reporting.....enterprises..	7	3	.....	8	1	4	.....
26 Cost.....dollars..	24,341	88,564	.....	21,249	5,940	20,781	.....
27 Area irrigated direct.....acres..	26,504	32,952	.....	15,145	3,667	1,985	.....
28 Cost per acre irrigated.....dollars..	0.92	2.69	.....	1.40	1.62	10.47	.....
Arrearage in payments by farms, Jan. 1, 1950: ⁴							
29 Enterprises reporting.....enterprises..	2	1	.....	10	1	6	1
30 Amount.....dollars..	2,450	49,277	.....	1,889	22,743	9,970	50
31 Area irrigated direct.....acres..	21,337	7,949	.....	20,109	3,667	2,800	1,200
SINGLE-FARM ENTERPRISES, 1950							
32 Single-farm enterprises.....enterprises..	116	88	71	87	66	44	292
33 Area irrigated.....acres..	4,220	7,535	1,350	10,512	3,268	1,115	46,879
34 Complete-system enterprises ⁵.....enterprises..	68	72	69	65	11	20	265
35 Area irrigated.....acres..	2,860	6,555	1,350	7,156	335	245	42,731
Other farms irrigated:							
36 Enterprises reporting.....number..	10	2	3	2	2	.....	6
37 Number of other farms.....farms..	17	6	4	2	2	.....	7
38 Area irrigated in other farms.....acres..	252	180	21	220	43	.....	288
Enterprises by origin of water supply: ⁵							
39 No water from other enterprises.....enterprises reporting..	72	72	71	66	11	20	266
40 acres irrigated.....	2,860	6,555	1,350	7,202	335	245	42,791
41 Part of water from other enterprises.....enterprises reporting..	.....	3	.....	5	1	.....	21
42 acres irrigated.....	.....	375	.....	702	23	.....	2,939
43 All of water from other enterprises.....enterprises reporting..	44	13	.....	16	54	24	5
44 acres irrigated.....	1,360	605	.....	2,608	2,910	870	1,149
Enterprises by primary and supplemental irrigation:							
45 All primary.....enterprises reporting..	89	84	69	84	53	42	290
46 acres irrigated.....	3,790	7,454	1,350	10,231	2,767	1,040	46,749
47 Part primary, part supplemental.....enterprises reporting..	2	.....	.....	.....	.....	.....	.....
48 Primary irrigation.....acres irrigated.....	41	.....	.....	.....	15	.....	.....
49 Supplemental irrigation.....acres irrigated.....	17	.....	.....	.....	5	.....	.....
50 All supplemental.....enterprises reporting..	21	4	.....	3	12	2	2
51 acres irrigated.....	372	81	.....	281	481	75	130
Enterprises by number of acres irrigated: ⁵							
52 None.....enterprises reporting..	4	.....	2	.....	.....	.....	.....
53 1-9 acres.....enterprises reporting..	31	14	28	6	13	16	26
54 10-29 acres.....enterprises reporting..	39	17	27	11	20	13	39
55 30-59 acres.....enterprises reporting..	24	18	10	15	11	11	59
56 60-99 acres.....enterprises reporting..	11	12	2	16	10	2	39
57 100-199 acres.....enterprises reporting..	5	18	2	23	11	2	54
58 200-499 acres.....enterprises reporting..	1	7	.....	15	1	.....	56
59 500-999 acres.....enterprises reporting..	.....	2	.....	.....	.....	.....	13
60 1,000 acres or more.....enterprises reporting..	1	.....	.....	1	.....	.....	6

¹Enterprises with reported cost of \$0 in 1949 are included.²Average cost per irrigated acre divided by calculated average quantity of water per acre. (County Table 2, Part 4, line 66.)³Average not given because number of enterprises reporting quantity of water was not sufficient to provide satisfactory data.⁴Not reported by single-farm enterprises.⁵For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State.

CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

data represent characteristics within the county or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Lincoln	Madison	Minidoka	Nez Perce	Oncida	Owyhee	Payette	Power	Shoshone	Teton	Twin Falls	Valley	Washington	All other counties
13	54	7	46	86	204	211	54	4	104	197	73	285	5
238,390	94,991	224,700	18,915	51,666	295,745	180,743	15,288	0	23,019	627,956	36,551	89,021	120
45,379	60,006	60,343	1,826	22,493	77,162	54,894	11,754	59	40,444	242,448	32,841	31,446	30
5.25	1.58	3.72	10.36	2.30	3.83	3.29	1.30	0.00	0.57	2.59	1.11	2.83	4.00
5.36	1.67	3.73	10.42	2.73	3.87	3.34	1.31	0.00	0.60	2.62	1.28	2.95	4.00
(³)	0.21	0.93	4.96	1.09	0.81	0.55	0.32	0.00	0.16	0.56	0.28	0.58	(³)
1	22	.....	22	52	152	30	44	4	95	62	54	100	2
1	21,096	.....	176	8,218	27,622	5,412	5,705	59	36,064	9,249	23,070	7,407	23
1	13	.....	1	8	6	17	2	.....	4	22	5	32	.....
40	19,788	.....	2	5,509	3,980	16,744	836	.....	1,468	2,247	256	5,760	.....
5	13	1	1	13	19	57	5	.....	5	46	10	66	.....
8,666	17,056	56,175	40	7,347	3,575	14,421	4,955	.....	2,912	217,190	9,182	14,222	.....
4	5	4	9	10	17	59	2	.....	.....	46	4	49	.....
36,635	1,970	3,981	218	1,083	38,893	17,151	193	.....	.....	4,900	333	3,642	.....
2	1	2	13	3	10	48	1	.....	.....	21	.....	38	3
37	96	187	1,390	336	3,092	1,156	65	.....	.....	8,862	.....	415	7
5	52	6	45	82	201	203	54	4	102	185	69	278	5
234,306	88,250	224,505	18,225	43,315	291,811	179,698	15,286	0	20,316	614,514	26,181	87,055	120
44,513	56,837	60,289	1,816	18,950	76,436	54,056	11,704	59	38,188	239,726	28,608	30,164	30
5.26	1.55	3.72	10.04	2.29	3.82	3.32	1.31	0.00	0.53	2.56	0.92	2.89	4.00
10	10	2	2	23	7	14	1	.....	9	19	7	16	.....
4,084	6,741	195	690	8,351	3,934	1,045	2	.....	2,703	13,442	10,370	1,966	.....
866	3,169	54	10	3,543	726	838	50	.....	2,256	2,722	4,233	1,282	.....
4.72	2.13	3.61	69.00	2.36	5.42	1.25	0.04	.....	1.20	4.94	2.45	1.53	.....
2	23	1	.....	6	7	14	1	.....	7	1	2	9	.....
121,865	26,374	7,712	.....	13,499	67,519	37,670	2,410	.....	4,212	13,066	2,175	12,700	.....
45,187	40,713	56,175	.....	10,297	29,801	36,621	4,740	.....	16,894	6,809	6,889	11,653	.....
2.70	0.65	0.14	.....	1.31	2.27	1.03	0.51	.....	0.25	1.92	0.32	1.09	.....
1	14	1	1	2	4	6	1	.....	7	2	.....	3	.....
54,332	2,387	14,578	2,000	2,080	56,135	2,424	38	.....	1,191	223	.....	276	.....
8,580	31,723	56,175	1,275	6,359	26,930	19,184	681	.....	17,517	187,598	.....	2,837	.....
11	18	4	43	50	189	176	30	4	55	182	60	224	5
192	1,529	439	499	3,671	27,624	8,805	1,935	59	6,060	20,386	10,309	8,336	30
8	14	4	36	45	181	74	29	4	54	129	56	188	5
116	1,223	439	338	3,071	26,769	5,399	1,797	59	6,010	14,300	9,925	7,116	30
.....	1	.....	5	2	1	9	.....	1	10	6	2	7	.....
.....	2	.....	6	2	1	11	.....	1	10	-6	2	11	.....
.....	55	.....	104	66	60	169	.....	10	575	340	192	183	.....
8	14	4	37	45	181	76	29	4	54	131	58	188	5
116	1,223	439	422	3,071	26,769	5,437	1,797	59	6,010	14,300	10,047	7,116	30
1	.....	.....	2	4	5	10	1	.....	.....	9	.....	11	.....
65	.....	.....	23	500	750	891	138	.....	.....	1,890	.....	751	.....
2	4	.....	4	1	3	90	.....	.....	1	42	2	25	.....
11	306	.....	54	100	105	2,477	.....	.....	50	4,196	262	469	.....
3	16	3	41	46	185	163	30	4	53	166	55	214	5
12	1,393	422	483	3,396	27,147	8,417	1,935	59	5,847	19,307	8,611	8,103	30
.....	.....	.....	1	2	1	4	.....	.....	1	2	1	3	.....
.....	.....	.....	6	107	25	162	.....	.....	17	76	285	43	.....
.....	.....	.....	7	68	45	122	.....	.....	36	109	515	26	.....
.....	.....	.....	1	1	2	8	.....	.....	1	12	4	7	.....
8	2	1	1	2	3	.....	.....	.....	160	894	898	164	.....
180	136	17	3	100	407	104	.....	.....	.....	.....	.....	.....	.....
.....
5	2	.....	29	8	12	44	3	2	2	16	3	59	4
3	5	2	10	14	27	54	5	1	7	28	13	72	1
2	2	.....	3	8	35	37	8	1	15	39	9	38	.....
1	3	.....	1	6	39	18	5	.....	7	27	11	39	.....
.....	2	1	.....	10	37	14	8	.....	18	34	6	13	.....
.....	3	1	.....	3	34	5	1	.....	5	33	13	2	.....
.....	.....	.....	.....	1	2	2	.....	.....	1	2	2	.....	.....
.....	1	.....	.....	.....	3	1	.....	.....	.....	1	3	1	.....

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	The State	Ada	Adams	Bannock	Bear Lake	Bingham	Blaine	Boise	Bonner
MULTIPLE-FARM ENTERPRISES, 1950									
1 Multiple-farm enterprises, total number ¹.....enterprises..	1,064	35	42	54	54	62	28	7	3
2 Area irrigated direct.....acres..	1,896,032	98,764	16,910	34,937	48,357	155,900	26,007	2,035	167
3 Multiple-purpose enterprises ¹.....enterprises..	18	3	1	.....	.....	.....	.....	.....	1
4 Area irrigated direct.....acres..	147,518	23,189	.....	.....	.....	.....	.....	.....	26
5 Complete-system enterprises ¹.....enterprises..	620	10	16	44	43	15	24	7	3
6 Area irrigated direct.....acres..	516,831	3,150	3,721	30,537	40,462	31,183	18,376	2,035	167
Enterprises by origin of water supply:¹									
7 No water from other enterprises.....enterprises reporting..	698	12	20	48	46	18	26	7	3
8 Part of water from other enterprises.....acres irrigated..	552,222	5,733	2,949	32,136	41,427	27,604	18,376	2,035	167
9 All water from other enterprises.....acres irrigated..	130	7	15	3	.....	12	2	.....	.....
10 Part of water from other enterprises.....acres irrigated..	971,519	81,227	12,266	1,259	.....	93,144	7,631	.....	.....
11 All water from other enterprises.....acres irrigated..	236	16	7	3	8	32	.....	.....	.....
12 Enterises by delivery of irrigation water: ¹	372,291	11,804	1,695	1,542	6,930	35,152	.....	.....	.....
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
14 Water delivered direct to farms only.....acres irrigated..	834	24	32	47	48	44	23	7	3
15 Water delivered to farms and to other enterprises.....acres irrigated..	671,684	13,028	12,310	30,231	44,843	49,652	18,983	2,035	167
16 Water delivered to other enterprises only.....acres irrigated..	203	11	5	7	5	17	3	.....	.....
17 Enterises by primary and supplemental irrigation: ²	1,224,348	85,736	4,600	4,706	3,514	106,248	7,024	.....	.....
18 All primary.....acres irrigated..	27	.....	5	.....	1	1	2	.....	.....
19 Part primary, part supplemental.....acres irrigated..	839	28	34	41	35	47	20	7	3
20 Primary irrigation.....acres irrigated..	948,189	22,269	15,490	30,885	26,966	76,138	12,259	2,035	167
21 Supplemental irrigation.....acres irrigated..	184	7	3	6	16	14	6	.....	.....
22 All supplemental.....acres irrigated..	885,309	74,977	1,091	2,558	16,186	68,689	10,976	.....	.....
23 Enterises by number of farms irrigated direct: ¹	60,576	1,518	329	892	4,505	11,073	2,772	.....	.....
24 None.....enterprises reporting..	14	.....	.....	6	2	.....	.....	.....	.....
25 1-3.....enterprises reporting..	1,958	.....	.....	602	700	.....	.....	.....	.....
26 4-9.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
27 10-29.....enterprises reporting..	27	.....	5	.....	1	1	2	.....	.....
28 30-99.....enterprises reporting..	365	2	18	22	12	6	13	5	2
29 100-299.....enterprises reporting..	287	8	10	17	15	15	7	2	.....
30 300-999.....enterprises reporting..	236	15	8	12	16	24	3	.....	1
31 1,000 or more.....enterprises reporting..	102	5	1	2	10	9	2	.....	.....
32 Enterises by acres irrigated direct: ¹	31	2	.....	.....	4	.....	.....	.....	.....
33 None.....enterprises reporting..	10	1	.....	1	.....	3	1	.....	.....
34 1-99 acres.....enterprises reporting..	6	2	.....	.....	.....	.....	.....	.....	.....
35 100-999 acres.....enterprises reporting..	27	.....	5	.....	1	1	2	.....	.....
36 1,000-2,999 acres.....enterprises reporting..	170	4	11	16	4	3	6	.....	2
37 3,000-9,999 acres.....enterprises reporting..	610	17	22	31	29	32	14	7	1
38 10,000-29,999 acres.....enterprises reporting..	159	9	4	5	18	15	2	.....	.....
39 30,000 acres or more.....enterprises reporting..	70	2	.....	1	2	6	3	.....	.....
40 Quantities of water reported, 1949: ²	17	.....	.....	1	.....	3	.....	.....	.....
41 Total obtained from all sources ³.....acres-foot..	11	3	.....	.....	.....	2	1	.....	.....
42 Surface sources.....acres-foot..	957	35	41	27	42	62	28	7	3
43 Pumped wells.....acres-foot..	21	20	36	17	35	30	23	11	15
44 Other enterprises.....acres-foot..	22,226,161	1,749,041	93,665	355,149	174,508	1,972,735	617,764	9,050	535
45 Conveyance loss ³.....acres-foot..	709	18	37	25	39	29	28	7	3
46 Delivered: ³	14,411,794	546,287	76,238	345,930	157,777	1,486,531	338,535	9,050	535
47 Direct to farms.....acres-foot..	38	2	.....	.....	.....	2	1	.....	.....
48 To other enterprises.....acres-foot..	126,704	26,761	.....	.....	.....	1,560	1,440	.....	.....
49 For use other than irrigation.....acres-foot..	348	23	21	5	3	44	2	.....	.....
50 Delivered direct to farms for primary irrigation: ²	7,687,663	1,175,993	17,427	9,219	16,731	484,644	277,789	.....	.....
51 Enterises reporting.....acres-foot..	893	31	39	25	37	57	26	7	3
52 Quantity delivered.....acres-foot..	3,687,358	326,358	7,191	101,971	16,423	444,520	184,036	1,260	63
53 Area supplied primary irrigation.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
54 Quantity supplied per acre.....acres-foot..	933	35	36	27	42	61	26	7	3
55 Delivered direct to farms for supplemental irrigation: ²	10,046,095	1,133,743	54,603	240,164	137,732	1,223,499	418,718	7,790	472
56 Enterises reporting.....acres-foot..	209	11	9	6	5	18	5	.....	.....
57 Quantity delivered.....acres-foot..	8,209,304	254,845	25,039	12,119	17,953	299,392	14,833	.....	.....
58 Area supplied supplemental irrigation.....acres..	76	13	5	3	3	5	1	.....	.....
59 Quantity supplied per acre.....acres-foot..	283,404	34,095	6,832	895	2,400	5,324	177	.....	.....
60 Delivered direct to farms for primary irrigation: ²	.....	.....	.....	.....	.....	.....	.....	.....	.....
61 Enterises reporting.....acres-foot..	918	35	36	22	39	61	25	7	3
62 Quantity delivered.....acres-foot..	9,144,629	483,612	53,888	147,802	112,339	838,625	98,275	7,790	472
63 Area supplied primary irrigation.....acres..	1,781,557	97,246	15,685	27,615	34,864	144,827	23,123	2,035	167
64 Quantity supplied per acre.....acres-foot..	5.1	5.0	3.4	5.4	3.2	5.8	4.3	3.8	2.8
65 Delivered direct to farms for supplemental irrigation: ²	.....	.....	.....	.....	.....	.....	.....	.....	.....
66 Enterises reporting.....acres-foot..	183	7	3	7	13	14	6	.....	.....
67 Quantity delivered.....acres-foot..	321,998	8,368	715	7,289	15,525	64,525	7,345	.....	.....
68 Area supplied supplemental irrigation.....acres..	60,459	1,518	329	1,234	3,850	11,073	2,772	.....	.....
69 Quantity supplied per acre.....acres-foot..	5.3	5.5	2.2	5.9	4.0	5.8	2.6	.....	.....
70 Total quantity per irrigated acre ⁴.....acres-foot..	5.3	5.2	3.5	5.8	3.6	6.2	4.6	3.8	2.8
71 Cost of water to farms for enterprises reporting quantity delivered, 1949: ²	.....	.....	.....	.....	.....	.....	.....	.....	.....
72 Cost for primary irrigation.....dollars..	5,366,627	490,141	24,107	79,561	16,531	314,920	28,989	0	80
73 Average cost per acre-foot.....dollars..	0.59	1.01	0.45	0.54	0.15	0.38	0.29	0.00	0.17
74 Cost for supplemental irrigation.....dollars..	126,953	8,203	174	1,781	2,088	16,407	5,431	.....	.....
75 Average cost per acre-foot.....dollars..	0.39	0.98	0.24	0.24	0.13	0.25	0.74	.....	.....
76 Measurement of water to farms, 1949: ²	.....	.....	.....	.....	.....	.....	.....	.....	.....
77 No water measured.....acres irrigated..	643	10	30	39	48	18	18	7	3
78 Part of water measured.....acres irrigated..	311,220	6,972	7,451	8,543	42,221	13,643	3,594	2,035	167
79 All water measured.....acres irrigated..	143	5	9	3	.....	13	3	.....	.....
80 Enterises reporting.....acres irrigated..	584,914	4,625	5,739	15,487	.....	77,485	12,941	.....	.....
81 Area irrigated.....acres irrigated..	226	19	2	10	1	27	5	.....	.....
82 Total quantity per irrigated acre ⁴.....acres-foot..	939,708	85,676	3,637	9,582	246	45,818	9,464	.....	.....

See footnotes at end of County Table 2, Part 4.

County Table 2 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Bonneville	Butte	Canyon	Caribou	Cassia	Custer	Elmore	Franklin	Fremont
MULTIPLE-FARM ENTERPRISES, 1950									
1 Multiple-farm enterprises, total number ¹.....enterprises..	37	10	46	54	19	34	5	67	35
2 Area irrigated direct.....acres..	103,763	21,927	186,155	37,262	78,272	24,270	16,958	43,572	59,469
3 Multiple-purpose enterprises ¹.....enterprises..	.....	.....	4	1	2	.....	2	.....	2
4 Area irrigated direct.....acres..	.....	.....	49,966	245	42,922	.....	3,561	.....	592
5 Complete-system enterprises ¹.....enterprises..	9	9	16	33	8	26	3	52	15
6 Area irrigated direct.....acres..	11,002	21,404	16,415	13,734	14,718	22,861	15,370	35,648	19,433
Enterprises by origin of water supply:¹									
7 No water from other enterprises.....enterprises reporting..	9	10	19	39	13	34	4	57	12
8 Area irrigated.....acres irrigated..	3,974	21,927	22,141	18,194	26,777	24,270	15,370	39,507	8,121
9 Part of water from other enterprises.....enterprises reporting..	13	.....	10	2	4	.....	.....	3	22
10 Area irrigated.....acres irrigated..	73,042	.....	150,928	835	50,424	.....	.....	880	50,487
11 All water from other enterprises.....enterprises reporting..	15	.....	17	13	2	.....	1	7	1
12 Area irrigated.....acres irrigated..	26,747	.....	13,086	18,233	1,071	.....	1,588	3,185	861
Enterprises by delivery of irrigation water:¹									
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
14 Water delivered direct to farms only.....enterprises reporting..	24	8	32	44	9	25	2	58	24
15 Area irrigated.....acres irrigated..	29,132	5,605	19,276	27,543	9,565	14,635	7,900	20,443	32,289
16 Water delivered to farms and to other enterprises.....enterprises reporting..	13	2	14	10	9	7	2	9	9
17 Area irrigated.....acres irrigated..	74,631	16,322	166,879	9,719	68,707	9,635	9,058	23,129	27,180
18 Water delivered to other enterprises only.....enterprises reporting..	.....	.....	.....	.....	1	2	.....	.....	2
Enterprises by primary and supplemental irrigation:²									
19 All primary.....enterprises reporting..	31	8	40	45	13	30	4	49	19
20 Area irrigated.....acres irrigated..	96,858	18,255	157,965	27,093	20,324	15,465	16,958	12,557	22,513
21 Part primary, part supplemental.....enterprises reporting..	5	2	5	6	2	.....	.....	18	12
22 Primary irrigation.....acres irrigated..	6,374	3,333	27,268	7,141	57,582	7,905	.....	24,782	33,801
23 Supplemental irrigation.....acres irrigated..	531	339	922	2,767	366	900	.....	6,253	3,155
24 All supplemental.....enterprises reporting..	.....	.....	.....	261	.....	.....	.....	.....	.....
25 Area irrigated.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct:¹									
26 None.....enterprises reporting..	.....	.....	.....	.....	1	2	1	.....	2
27 1-3.....enterprises reporting..	4	7	5	21	5	23	.....	19	2
28 4-9.....enterprises reporting..	11	2	11	18	4	6	.....	20	10
29 10-29.....enterprises reporting..	9	.....	13	12	4	2	1	21	7
30 30-99.....enterprises reporting..	6	.....	9	2	2	.....	1	3	13
31 100-299.....enterprises reporting..	4	1	4	.....	1	1	1	4	1
32 300-999.....enterprises reporting..	3	.....	2	1	1	.....	.....	.....	.....
33 1,000 or more.....enterprises reporting..	.....	.....	2	.....	1	.....	1	.....	.....
Enterprises by acres irrigated direct:¹									
34 None.....enterprises reporting..	.....	.....	.....	.....	1	2	1	.....	2
35 1-99 acres.....enterprises reporting..	1	1	2	5	.....	2	.....	9	1
36 100-999 acres.....enterprises reporting..	14	7	27	33	9	25	.....	51	14
37 1,000-2,999 acres.....enterprises reporting..	12	.....	8	14	3	4	.....	2	9
38 3,000-9,999 acres.....enterprises reporting..	5	1	5	1	3	.....	3	3	8
39 10,000-29,999 acres.....enterprises reporting..	4	1	1	1	1	1	.....	2	1
40 30,000 acres or more.....enterprises reporting..	1	.....	3	.....	2	.....	1	.....	.....
Quantities of water reported, 1949:³									
41 Total obtained from all sources ³.....enterprises reporting..	37	7	45	51	19	34	5	64	34
42 percent of all enterprises reporting..	34	15	20	34	8	16	4	46	53
43 Surface sources.....acres irrigated..	1,748,230	146,989	2,257,203	563,222	3,785,259	311,449	2,183,722	172,065	3,891,841
44 Pumped wells.....acres irrigated..	22	5	26	39	16	34	4	57	33
45 Other enterprises.....acres irrigated..	1,242,965	145,301	1,013,105	446,676	3,004,370	311,449	1,101,422	156,158	3,599,608
46 Conveyance loss ³.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
47 Direct to farms.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
48 To other enterprises.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
49 For use other than irrigation.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
50 Delivered direct to farms for primary irrigation: ²	.....	.....	.....	.....	.....	.....	.....	.....	.....
51 Enterprises reporting.....enterprises..	35	7	44	48	17	32	4	64	30
52 Quantity delivered.....acres irrigated..	506,998	70,103	959,201	121,837	266,746	135,384	102,375	76,905	420,067
53 Area supplied primary irrigation.....acres..	96,779	21,016	184,520	30,059	77,906	23,370	16,958	36,344	56,064
54 Quantity supplied per acre.....acres-fee..	5.2	3.3	5.2	4.1	3.4	5.8	6.0	2.1	7.5
55 Delivered direct to farms for supplemental irrigation: ²	.....	.....	.....	.....	.....	.....	.....	.....	.....
56 Enterprises reporting.....enterprises..	5	1	5	8	5	2	.....	18	12
57 Quantity delivered.....acres irrigated..	3,577	348	6,097	11,849	2,534	4,712	.....	13,528	27,747
58 Area supplied supplemental irrigation.....acres..	531	264	922	3,028	366	900	.....	6,253	3,155
59 Quantity supplied per acre.....acres-fee..	6.7	2.1	6.6	3.9	6.9	5.2	.....	2.2	8.8
60 Total quantity per irrigated acre ⁴.....acres-fee..	5.2	3.4	5.3	4.3	3.5	5.9	6.0	2.5	7.9
Cost of water to farms for enterprises reporting quantity delivered, 1949:²									
61 Cost for primary irrigation.....dollars..	169,974	43,620	982,376	44,829	346,609	31,202	77,236	130,488	128,712
62 Average cost per acre-foot.....dollars..	0.34	0.62	1.02	0.37	1.30	0.23	0.75	1.70	0.31
63 Cost for supplemental irrigation.....dollars..	904	397	3,565	3,064	3,186	1,174	.....	22,006	5,910
64 Average cost per acre-foot.....dollars..	0.25	0.72	0.58	0.26	1.26	0.25	.....	1.63	0.21
Measurement of water to farms, 1949:²									
65 No water measured.....enterprises reporting..	10	4	28	29	2	23	.....	53	11
66 Area irrigated.....acres irrigated..	4,661	823	19,676	12,441	1,831	8,220	.....	20,431	7,066
67 Part of water measured.....enterprises reporting..	6	1	6	3	1	1	.....	2	17
68 Area irrigated.....acres irrigated..	50,655	523	27,973	2,403	431	307	1,588	11,139	43,523
69 All water measured.....enterprises reporting..	16	5	12	18	15	10	3	6	2
70 Area irrigated.....acres irrigated..	40,870	20,581	137,716	20,704	75,665	15,743	15,370	11,337	350

See footnotes at end of County Table 2, Part 4.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Gem	Gooding	Jefferson	Jerome	Kootenai	Lemhi	Madison	Minidoka	Nex Perce
MULTIPLE-FARM ENTERPRISES, 1950									
1 Multiple-farm enterprises, total number ¹.....enterprises..	35	16	83	4	6	85	37	3	3
2 Area irrigated direct.....acres..	38,965	77,812	101,387	94,615	2,800	30,818	58,477	59,904	1,327
3 Multiple-purpose enterprises ¹.....enterprises..	2	.....	.....	1	1	.....	2	1	1
4 Area irrigated direct.....acres..	964	.....	.....	.....	238	.....	4,989	397	1,275
5 Complete-system enterprises ¹.....enterprises..	10	10	11	.....	3	66	14	1	2
6 Area irrigated direct.....acres..	6,495	3,793	27,265	.....	1,471	26,556	14,994	3,332	1,320
Enterprises by origin of water supply:¹									
7 No water from other enterprises.....enterprises reporting..	12	10	12	1	6	85	10	2	3
8 No water from other enterprises.....acres irrigated..	7,644	3,793	26,968	.....	2,800	30,818	5,957	3,729	1,327
9 Part of water from other enterprises.....enterprises reporting..	8	1	10	.....	.....	.....	17	1	.....
10 Part of water from other enterprises.....acres irrigated..	26,402	24,726	19,397	.....	.....	.....	32,876	56,175	.....
11 All water from other enterprises.....enterprises reporting..	15	5	61	3	.....	.....	10	.....	.....
12 All water from other enterprises.....acres irrigated..	4,919	49,293	55,022	94,615	.....	.....	19,644	.....	.....
Enterprises by delivery of irrigation water:¹									
13 No water delivered.....enterprises reporting..	26	12	59	.....	2	64	29	2	.....
14 Water delivered direct to farms only.....enterprises reporting..	26	12	59	.....	2	64	29	2	.....
15 Water delivered direct to farms only.....acres irrigated..	10,221	4,447	38,291	.....	838	24,416	46,695	59,507	.....
16 Water delivered to farms and to other enterprises.....enterprises reporting..	7	3	24	4	4	21	7	1	3
17 Water delivered to farms and to other enterprises.....acres irrigated..	28,744	73,365	63,096	94,615	1,962	6,402	11,782	397	1,327
18 Water delivered to other enterprises only.....enterprises reporting..	2	1	.....	.....	.....	.....	1	.....	.....
Enterprises by primary and supplemental irrigation:²									
19 All primary.....enterprises reporting..	30	8	68	.....	6	76	28	2	3
20 All primary.....acres irrigated..	37,615	12,575	57,373	.....	2,800	26,975	32,912	3,729	1,327
21 Part primary, part supplemental.....enterprises reporting..	2	7	14	3	.....	8	8	1	.....
22 Part primary, part supplemental.....acres irrigated..	950	64,697	38,007	94,039	.....	2,475	22,532	56,138	.....
23 Supplemental irrigation.....acres irrigated..	400	540	6,007	576	.....	1,333	3,033	37	.....
24 All supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	1	.....	.....	.....
25 All supplemental.....acres irrigated..	.....	.....	.....	.....	.....	35	.....	.....	.....
Enterprises by number of farms irrigated direct:¹									
26 None.....enterprises reporting..	2	1	.....	.....	.....	.....	1	.....	.....
27 1-3.....enterprises reporting..	5	3	18	.....	.....	65	1	.....	1
28 4-9.....enterprises reporting..	10	5	24	1	1	16	13	2	1
29 10-29.....enterprises reporting..	12	4	26	.....	.....	4	4	.....	.....
30 30-99.....enterprises reporting..	2	.....	10	.....	5	.....	17	.....	.....
31 100-299.....enterprises reporting..	1	1	4	2	.....	.....	1	.....	1
32 300-999.....enterprises reporting..	3	1	1	.....	.....	.....	.....	.....	.....
33 1,000 or more.....enterprises reporting..	.....	1	.....	1	.....	.....	.....	1	.....
Enterprises by acres irrigated direct:¹									
34 None.....enterprises reporting..	2	1	.....	.....	.....	.....	1	.....	.....
35 1-99 acres.....enterprises reporting..	2	.....	4	.....	.....	21	.....	.....	2
36 100-999 acres.....enterprises reporting..	23	12	46	1	6	58	16	1	.....
37 1,000-2,999 acres.....enterprises reporting..	4	.....	21	.....	.....	6	5	.....	1
38 3,000-9,999 acres.....enterprises reporting..	1	.....	10	.....	.....	.....	14	1	.....
39 10,000-29,999 acres.....enterprises reporting..	3	1	2	2	.....	.....	1	.....	.....
40 30,000 acres or more.....enterprises reporting..	.....	2	.....	1	.....	.....	.....	1	.....
Quantities of water reported, 1949:³									
41 Total obtained from all sources ³.....enterprises reporting..	34	16	77	4	6	75	36	3	3
42 Total obtained from all sources ³.....percent of all enterprises reporting..	23	15	45	6	12	20	65	43	7
43 Surface sources.....acres-feet..	905,764	2,031,273	2,593,868	4,451,917	87,990	219,584	1,067,740	3,376,133	10,055
44 Surface sources.....enterprises reporting..	19	11	16	1	6	75	25	2	3
45 Surface sources.....acres-feet..	774,875	247,042	1,297,086	2,860,943	87,990	219,584	767,345	2,896,804	10,055
46 Pumped wells.....enterprises reporting..	.....	.....	7	1	.....	.....	.....	.....	.....
47 Pumped wells.....acres-feet..	.....	.....	58,613	1,334	.....	.....	.....	13,162	.....
48 Other enterprises.....enterprises reporting..	23	6	66	3	.....	.....	26	1	.....
49 Other enterprises.....acres-feet..	130,889	1,784,231	1,237,169	1,589,640	.....	.....	300,395	466,167	.....
50 Conveyance loss ³.....enterprises reporting..	33	14	74	4	6	75	36	3	3
51 Conveyance loss ³.....acre-feet..	189,428	534,103	329,137	848,134	19,110	40,614	157,132	707,685	2,130
Delivered:³									
52 Direct to farms.....enterprises reporting..	32	15	77	4	6	75	35	3	3
53 Direct to farms.....acre-feet..	477,393	1,118,939	1,090,543	828,602	10,944	168,871	679,944	264,505	2,770
54 To other enterprises.....enterprises reporting..	8	4	21	4	4	17	7	1	3
55 To other enterprises.....acre-feet..	203,627	375,438	1,173,188	2,659,992	57,213	8,675	226,036	2,288,754	155
56 For use other than irrigation.....enterprises reporting..	12	2	.....	1	1	2	1	1	1
57 For use other than irrigation.....acre-feet..	35,316	2,793	.....	115,189	723	1,424	4,628	115,189	5,000
Delivered direct to farms for primary irrigation:²									
58 Enterprises reporting.....enterprises..	31	15	77	2	6	74	35	3	3
59 Quantity delivered.....acre-feet..	262,742	413,981	660,597	480,675	10,944	164,336	422,443	241,798	2,770
60 Area supplied primary irrigation.....acres..	36,973	77,272	91,914	86,759	2,800	26,844	55,059	59,867	1,327
61 Quantity supplied per acre.....acre-feet..	7.1	5.4	7.2	5.5	3.9	6.1	7.7	4.0	2.1
Delivered direct to farms for supplemental irrigation:²									
62 Enterprises reporting.....enterprises..	2	7	14	2	.....	8	8	.....	.....
63 Quantity delivered.....acre-feet..	3,067	7,242	52,643	4,855	.....	4,535	20,564	.....	.....
64 Area supplied supplemental irrigation.....acres..	400	540	6,007	538	.....	1,128	3,033	.....	.....
65 Quantity supplied per acre.....acre-feet..	7.7	13.4	8.8	9.0	.....	4.0	6.8	.....	.....
66 Total quantity per irrigated acre ⁴.....acre-feet..	7.3	5.5	7.7	5.6	3.9	6.2	8.1	4.0	2.1
Cost of water to farms for enterprises reporting quantity delivered, 1949:²									
67 Cost for primary irrigation.....dollars..	115,161	268,769	151,831	217,318	43,923	6,012	85,979	219,395	15,225
68 Average cost per acre-foot.....dollars..	0.44	0.65	0.23	0.45	4.01	0.04	0.20	0.91	5.50
69 Cost for supplemental irrigation.....dollars..	183	2,976	8,600	2,195	.....	351	5,438	.....	.....
70 Average cost per acre-foot.....dollars..	0.06	0.41	0.16	0.45	.....	0.08	0.26	.....	.....
Measurement of water to farms, 1949:²									
71 No water measured.....enterprises reporting..	29	9	32	.....	.....	54	12	1	2
72 No water measured.....acres irrigated..	13,589	3,498	18,226	.....	.....	19,220	17,383	3,332	1,282
73 Part of water measured.....enterprises reporting..	5	1	20	1	1	11	21	.....	1
74 Part of water measured.....acres irrigated..	25,136	40,690	43,665	80,256	.....	3,201	38,702	.....	45
75 All water measured.....enterprises reporting..	.....	6	27	3	5	19	2	2	.....
76 All water measured.....acres irrigated..	.....	33,624	38,444	14,359	2,618	8,267	2,007	56,572	.....

See footnotes at end of County Table 2, Part 4.

County Table 2 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)		Oneida	Owyhee	Payette	Power	Teton	Twin Falls	Valley	Washington	All other counties
MULTIPLE-FARM ENTERPRISES, 1950										
1	Multiple-farm enterprises, total number ¹.....enterprises..	36	15	36	29	49	18	16	63	6
2	Area irrigated direct.....acres..	18,822	49,538	46,089	9,819	34,384	222,062	22,532	23,110	48,846
3	Multiple-purpose enterprises ¹.....enterprises..	1	1	1	1	1	2	2	2	1
4	Area irrigated direct.....acres..	2,842	15,232	15,232	11	11	1,080	11	40	3
5	Complete-system enterprises ¹.....enterprises..	33	12	12	22	43	12	11	40	3
6	Area irrigated direct.....acres..	15,239	17,188	7,234	4,728	25,141	31,689	22,156	5,930	2,084
Enterprises by origin of water supply:¹										
7	No water from other enterprises.....enterprises reporting..	34	14	13	28	42	14	16	42	4
8	acres irrigated..	16,322	29,044	22,466	5,079	19,786	33,367	22,532	6,223	3,659
9	Part of water from other enterprises.....enterprises reporting..	2	1	3	1	7	2	2	9	1
10	acres irrigated..	2,500	20,494	13,264	4,740	14,598	187,598	10,019	10,019	36,607
11	All water from other enterprises.....enterprises reporting..	2	2	20	2	2	2	2	12	1
12	acres irrigated..	10,359	10,359	10,359	1,097	1,097	6,868	6,868	8,580	8,580
Enterprises by delivery of irrigation water:¹										
13	No water delivered.....enterprises reporting..	32	8	30	22	45	12	10	52	3
14	Water delivered direct to farms only.....enterprises reporting..	12,837	24,694	12,327	4,728	28,641	32,584	22,042	9,695	2,084
15	acres irrigated..	4	7	6	3	4	5	4	10	3
16	Water delivered to farms and to other enterprises.....enterprises reporting..	5,985	28,844	33,762	5,091	5,743	189,478	490	13,415	46,762
17	acres irrigated..	4	4	4	1	1	2	2	1	1
18	Water delivered to other enterprises only.....enterprises reporting..	17	12	34	23	42	12	11	55	4
19	All primary.....enterprises reporting..	5,941	46,889	45,147	9,468	14,318	38,167	15,313	19,804	3,659
20	acres irrigated..	17	3	2	1	6	5	2	6	2
21	Part primary, part supplemental.....enterprises reporting..	9,506	2,375	330	301	18,006	182,176	4,399	2,214	44,501
22	Primary irrigation.....acres irrigated..	3,085	274	612	50	1,990	1,719	2,820	1,092	686
23	Supplemental irrigation.....acres irrigated..	2	2	2	2	2	2	2	2	2
24	All supplemental.....enterprises reporting..	290	290	290	290	290	290	290	290	290
25	acres irrigated..	290	290	290	290	290	290	290	290	290
Enterprises by number of farms irrigated direct:¹										
26	None.....enterprises reporting..	16	3	14	12	27	8	3	23	1
27	1-3.....enterprises reporting..	12	3	8	8	12	3	5	20	1
28	4-9.....enterprises reporting..	2	5	12	4	6	2	4	13	2
29	10-29.....enterprises reporting..	6	1	3	3	4	1	1	5	1
30	30-99.....enterprises reporting..	2	2	2	2	2	2	2	2	1
31	100-299.....enterprises reporting..	1	1	1	1	1	1	1	1	1
32	300-999.....enterprises reporting..	1	1	1	1	1	1	1	1	1
33	1,000 or more.....enterprises reporting..	1	1	1	1	1	1	1	1	1
Enterprises by acres irrigated direct:¹										
34	None.....enterprises reporting..	12	8	8	11	13	5	1	22	2
35	1-99 acres.....enterprises reporting..	17	8	19	13	28	5	4	34	2
36	100-999 acres.....enterprises reporting..	5	3	5	4	4	2	6	5	2
37	1,000-2,999 acres.....enterprises reporting..	2	2	2	2	4	3	2	1	1
38	3,000-9,999 acres.....enterprises reporting..	1	2	2	2	2	1	1	1	1
39	10,000-29,999 acres.....enterprises reporting..	1	1	2	1	1	1	1	1	1
40	30,000 acres or more.....enterprises reporting..	1	1	1	1	1	1	1	1	1
Quantities of water reported, 1949:²										
41	Total obtained from all sources ³.....enterprises reporting..	36	15	36	28	44	18	15	62	6
42	percent of all enterprises reporting..	42	7	17	47	13	9	20	22	6
43	acres irrigated..	61,391	836,196	706,232	3,191,865	128,465	2,870,349	415,783	229,932	917,617
44	Surface sources.....enterprises reporting..	22	15	15	28	14	16	15	50	5
45	acres irrigated..	50,339	796,854	550,852	3,137,231	118,209	1,923,066	415,783	137,166	221,219
46	Pumped wells.....enterprises reporting..	15	2	1	1	1	1	1	1	1
47	acres irrigated..	7,552	6,214	1,334	1,334	1	2,057	4	20	2
48	Other enterprises.....enterprises reporting..	2	23	1	1	7	4	4	20	2
49	acres irrigated..	3,500	33,128	155,380	53,300	10,256	945,226	92,766	696,398	6
50	Conveyance loss ³.....enterprises reporting..	34	15	25	28	13	15	14	59	6
51	acres irrigated..	8,041	173,131	183,821	569,858	25,536	206,211	105,521	27,021	231,684
Delivered:³										
52	Direct to farms.....enterprises reporting..	36	15	36	25	14	17	14	61	6
53	acres irrigated..	47,735	497,916	366,208	192,448	102,304	1,100,735	223,648	122,057	406,235
54	To other enterprises.....enterprises reporting..	4	7	6	6	2	6	5	10	3
55	acres irrigated..	3,800	164,933	132,940	2,314,370	625	1,563,403	76,619	78,039	279,698
56	For use other than irrigation.....enterprises reporting..	2	1	8	1	1	1	2	4	4
57	acres irrigated..	1,815	216	23,263	115,189	9,995	9,995	2,815	2,815	2,815
Delivered direct to farms for primary irrigation:²										
58	Enterprises reporting.....enterprises..	34	15	36	24	14	17	13	60	6
59	Quantity delivered.....acre-feet..	32,330	229,323	273,925	39,654	84,274	1,017,174	75,905	105,374	223,965
60	Area supplied primary irrigation.....acres..	15,447	49,264	45,477	9,769	24,651	220,343	19,712	21,341	48,160
61	Quantity supplied per acre.....acre-feet..	2.1	4.7	6.0	4.1	3.4	4.6	3.9	4.9	4.7
Delivered direct to farms for supplemental irrigation:²										
62	Enterprises reporting.....enterprises..	19	3	2	1	6	5	2	6	2
63	Quantity delivered.....acre-feet..	7,907	1,911	4,069	84	9,138	11,826	11,222	4,837	3,739
64	Area supplied supplemental irrigation.....acres..	3,375	274	612	50	1,990	1,719	2,820	1,092	686
65	Quantity supplied per acre.....acre-feet..	2.3	7.0	6.6	1.7	4.6	6.9	4.0	4.4	5.5
66	Total quantity per irrigated acre ⁴.....acre-feet..	2.5	4.8	6.1	4.1	3.7	4.7	4.5	5.1	4.8
Cost of water to farms for enterprises reporting quantity delivered, 1949²										
67	Cost for primary irrigation.....dollars..	36,331	268,093	145,822	12,305	17,558	533,031	22,907	60,415	237,177
68	Average cost per acre-foot.....dollars..	1.12	1.17	0.53	0.31	0.21	0.52	0.30	0.57	1.06
69	Cost for supplemental irrigation.....dollars..	8,351	2,524	399	2	2,703	4,386	9,385	1,648	1,322
70	Average cost per acre-foot.....dollars..	1.06	1.32	0.10	0.02	0.30	0.37	0.85	0.34	0.89
Measurement of water to farms, 1949:²										
71	No water measured.....enterprises reporting..	34	7	22	23	30	7	5	52	3
72	acres irrigated..	17,506	8,358	10,618	3,902	11,896	1,324	3,325	15,902	2,084
73	Part of water measured.....enterprises reporting..	2	2	8	1	18	1	4	5	5
74	acres irrigated..	31,215	30,298	4,740	21,322	11	7,198	3,627	5	2
75	All water measured.....enterprises reporting..	1	6	4	3	11	5	5	5	2
76	acres irrigated..	1,083	9,965	4,504	1,100	1,166	220,368	11,109	3,581	38,182

¹ For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State.
² For intercounty and interstate enterprises, data represent characteristics within the county or State.
³ For intercounty and interstate enterprises, data represent characteristics of the entire enterprise.
⁴ Calculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

IRRIGATION OF AGRICULTURAL LANDS

County Table 3.—ACREAGE IRRIGATED, BY DRAINAGE BASIN ORIGIN OF WATER, AND

[Symbols in parentheses refer to drainage basin symbols on map, "Idaho: Location of Irrigated Land, 1949." Tributaries

Item (For definitions and explanations, see text)		The State	Ada	Adams	Bannock	Bear Lake	Bingham	Blaine
1	Irrigated land, 1949..... acres..	2,167,879	102,978	24,075	37,851	48,960	158,560	36,290
Area irrigated direct, by drainage basin origin of water, 1949 ¹ :								
2	All basins..... acres..	2,327,539	105,650	24,699	40,081	54,165	167,633	40,019
3	North Pacific Coast, total..... acres..	2,174,030	105,650	24,699	40,081		167,633	40,019
4	Columbia River excluding Snake River (I-C)..... acres..	5,047						
5	Spokane River (7)..... acres..	4,249						
6	Clark Fork (8a)..... acres..	376						
7	Kootenai River (9)..... acres..	422						
8	Snake River, total (I-E,F,G, and H)..... acres..	2,168,983	105,650	24,699	40,081		167,633	40,019
9	Snake River below Weiser (I-E)..... acres..	132,042		14,363				500
10	Snake River direct (1)..... acres..	5,093		638				
11	Salmon River..... acres..	126,949		13,725				500
12	Salmon River direct (3a,b, and c)..... acres..	59,917		13,725				500
13	Lemhi River (3d)..... acres..	47,861						
14	Pahsimeroi River (3e)..... acres..	19,171						
15	Snake River, Weiser to King Hill (I-F)..... acres..	642,349	105,650	10,336				
16	Snake River direct (1)..... acres..	89,821						
17	Weiser River (2)..... acres..	34,585		10,336				
18	Payette River..... acres..	166,404						
19	Payette River direct (3a)..... acres..	88,686						
20	North Fork (3b)..... acres..	77,718						
21	Owyhee River..... acres..	33,946						
22	Owyhee River direct (5a)..... acres..	29,112						
23	Jordan Creek (5b)..... acres..	4,834						
24	Boise River (6)..... acres..	303,583	105,650					
25	Bruneau River (7)..... acres..	14,010						
26	Snake River, King Hill to American Falls (I-G)..... acres..	694,061						39,519
27	Snake River direct (1a and b)..... acres..	523,752						
28	Big Wood River..... acres..	116,863						39,519
29	Big Wood River direct (2a)..... acres..	102,244						39,519
30	Camas Creek (2b)..... acres..	14,619						
31	Upper Salmon Falls Creek (3)..... acres..	9,386						
32	Goose Creek (4)..... acres..	15,968						
33	Raft River (5)..... acres..	28,092						
34	Snake River above American Falls (I-H)..... acres..	700,531			40,081		167,633	
35	Snake River direct (1a and b)..... acres..	410,156			15,180		167,633	
36	Portneuf River (2)..... acres..	32,178			24,901			
37	Henry's Fork..... acres..	163,034						
38	Henry's Fork direct (3a)..... acres..	120,959						
39	Upper Teton River (3b)..... acres..	42,075						
40	Salt River (4)..... acres..	3,404						
41	Independent basins..... acres..	91,759						
42	Big Lost River (6a)..... acres..	37,786						
43	Little Lost River (6b)..... acres..	12,089						
44	Medicine Lodge and Birch Creeks (6c)..... acres..	6,545						
45	Mud Lake and Camas Creek (6d)..... acres..	35,339						
46	Great Basin, total..... acres..	153,509				54,165		
47	Northwest Great Salt Lake Basin (III-D-1)..... acres..	2,466						
48	Bear River (III-E)..... acres..	151,043				54,165		
49	Bear River direct (1a and b)..... acres..	131,016				54,165		
50	Upper Malad River (2)..... acres..	20,027						

See footnote at end of County Table 3.

IRRIGATION OF AGRICULTURAL LANDS

County Table 3.—ACREAGE IRRIGATED, BY DRAINAGE BASIN ORIGIN OF WATER, AND

[Symbols in parentheses refer to drainage basin symbols on map, *Idaho: Location of Irrigated Land, 1949.* Tributaries

Item (For definitions and explanations, see text)	Gen	Gooding	Idaho	Jefferson	Jerome	Kootenai	Lemhi
1 Irrigated land, 1949.....acres..	42,396	84,726	1,434	105,611	96,821	3,840	76,199
Area irrigated direct, by drainage basin origin of water, 1949 ¹ :							
2 All basins.....acres..	68,457	85,471	1,434	111,899	97,883	3,915	77,697
3 North Pacific Coast, total.....acres..	68,457	85,471	1,434	111,899	97,883	3,915	77,697
4 Columbia River excluding Snake River (I-C).....acres..						3,915	
5 Spokane River (7).....acres..						3,911	
6 Clark Fork (8a).....acres..						4	
7 Kootenai River (9).....acres..							
8 Snake River, total (I-E,F,G, and H).....acres..	68,457	85,471	1,434	111,899	97,883		77,697
9 Snake River below Weiser (I-E).....acres..			1,434				76,690
10 Snake River direct (1).....acres..			209				
11 Salmon River.....acres..			1,225				76,690
12 Salmon River direct (3a, b, and c).....acres..			1,225				20,134
13 Lemhi River (3d).....acres..							47,861
14 Pahsimeroi River (3e).....acres..							8,695
15 Snake River, Weiser to King Hill (I-F).....acres..	68,457	1,468					
16 Snake River, direct (1).....acres..		1,468					
17 Weiser River (2).....acres..							
18 Payette River.....acres..	68,457						
19 Payette River direct (3a).....acres..	43,185						
20 North Fork (3b).....acres..	25,272						
21 Owyhee River.....acres..							
22 Owyhee River direct (5a).....acres..							
23 Jordan Creek (5b).....acres..							
24 Boise River (6).....acres..							
25 Bruneau River (7).....acres..							
26 Snake River, King Hill to American Falls (I-G).....acres..		84,003			97,883		
27 Snake River direct (1a and b).....acres..		58,077			97,883		
28 Big Wood River.....acres..		25,926					
29 Big Wood River direct (2a).....acres..		25,926					
30 Canas Creek (2b).....acres..							
31 Upper Salmon Falls Creek (3).....acres..							
32 Goose Creek (4).....acres..							
33 Raft River (5).....acres..							
34 Snake River above American Falls (I-H).....acres..				111,899			1,007
35 Snake River direct (1a and b).....acres..				80,770			
36 Portneuf River (2).....acres..							
37 Henrys Fork.....acres..							
38 Henrys Fork direct (3a).....acres..							
39 Upper Teton River (3b).....acres..							
40 Salt River (4).....acres..							
41 Independent basins.....acres..				31,129			1,007
42 Big Lost River (6a).....acres..							
43 Little Lost River (6b).....acres..							147
44 Medicine Lodge and Birch Creeks (6c).....acres..							860
45 Mud Lake and Canas Creek (6d).....acres..							
46 Great Basin, total.....acres..				31,129			
47 Northwest Great Salt Lake Basin (III-D-1).....acres..							
48 Bear River (III-E).....acres..							
49 Bear River direct (1a and b).....acres..							
50 Upper Malad River (2).....acres..							

¹ Acreage irrigated direct by 2 or more irrigation enterprises is counted for each enterprise; acreage supplied a mixture of water from 2 or more basins by a given enterprise is counted for each basin; consequently, the sum of the acreages for a county or a drainage basin may exceed the acreage irrigated direct shown in County Table 2 or Drainage Basin Table 1.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises,

Item (For definitions and explanations, see text)	The State	North Pacific Coast, total	Columbia River excluding Snake River (I-C)				Snake River below Weiser (I-E)		
			Total	Spokane River	Clark Fork	Kootenai River	Snake River, total	Snake River direct	
									(7)	(8a)	(9)	(1)
ALL ENTERPRISES									
Farms and land irrigated:									
1 All irrigation enterprises.....enterprises 1950..	4,621	4,184	86	56	20	10	4,098	742	120
2 1940..	3,625	3,282	79	36	35	8	3,203	(*)	(*)
3 Interbasin.....enterprises 1950..	39	40	.....	.....	.....	.....	40	11	3
4 Farms irrigated direct per enterprise ².....farms 1950..	7.3	7.4	4.8	6.7	1.6	1.0	7.4	2.0	4.8
5 Irrigated land ³.....acres 1949..	2,167,879	2,032,585	4,972	4,174	376	422	2,027,613	136,872	12,178
6 1939..	2,277,837	2,113,116	7,248	6,270	750	228	2,105,868	124,096	11,272
7 Average per enterprise.....acres 1949..	469	486	58	75	19	42	495	184	101
8 Average acreage irrigated direct per enterprise ².....acres 1949..	486	500	59	76	19	42	509	188	102
Type of enterprise, 1950:									
9 Single-farm.....enterprises..	3,557	3,309	77	50	17	10	3,232	606	108
10 Mutual:.....acres irrigated..	347,620	331,281	2,080	1,449	209	422	329,201	76,596	3,406
11 Unincorporated.....enterprises..	648	538	2	.....	2	.....	536	122	4
12 1949..	220,841	186,121	(*)	.....	(*)	.....	185,980	50,966	520
13 Incorporated.....enterprises..	348	270	.....	.....	.....	.....	270	7	2
14 1949..	1,035,999	934,542	.....	.....	.....	.....	934,542	3,857	(*)
15 Commercial.....enterprises..	3	3	1	1	.....	.....	2	.....	.....
16 1949..	450	450	(*)	(*)	.....	.....	(*)	.....	.....
17 District.....enterprises..	54	53	5	5	.....	.....	48	5	5
18 1949..	567,261	566,361	2,618	2,618	.....	.....	563,743	7,709	7,709
19 U. S. Bureau of Reclamation ⁵.....enterprises..	4	4	.....	.....	.....	.....	4	1	.....
20 1949..	39,037	39,037	.....	.....	.....	.....	39,037	.....	.....
21 U. S. Bureau of Indian Affairs ⁵.....enterprises..	6	6	.....	.....	.....	.....	6	1	1
22 1949..	32,418	32,418	.....	.....	.....	.....	32,418	7	7
23 State.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
24 1949..	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 City.....enterprises..	1	1	1	.....	1	.....	.....	.....	.....
26 1949..	(*)	(*)	(*)	.....	(*)	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:									
Surface water:									
27 Gravity only.....enterprises reporting..	3,097	2,706	41	15	17	9	2,665	659	67
28 1949..	1,614,543	1,484,678	1,688	961	321	406	1,482,990	133,477	8,541
29 Pumped only.....enterprises reporting..	727	717	43	40	2	1	674	36	26
30 1949..	64,529	63,200	3,328	3,287	25	16	59,872	1,511	1,065
31 Gravity and pumped.....enterprises reporting..	165	154	.....	.....	.....	.....	154	15	5
32 1949..	279,901	262,891	.....	.....	.....	.....	262,891	2,293	1,598
33 Ground water only (pumped from wells).....enterprises reporting..	460	439	1	1	.....	.....	438	12	10
34 1949..	38,986	35,964	1	1	.....	.....	35,963	644	640
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	172	168	1	.....	1	.....	167	20	12
36 1949..	245,693	243,503	30	.....	30	.....	243,473	1,210	344
Stored water:									
37 None stored.....enterprises reporting..	3,978	3,600	72	42	20	10	3,528	697	103
38 1949..	769,104	654,661	4,399	3,601	376	422	650,262	120,296	3,132
39 Part stored.....enterprises reporting..	433	401	9	9	.....	.....	392	35	13
40 1949..	1,402,236	1,365,415	521	521	.....	.....	1,364,894	18,533	8,927
41 All stored.....enterprises reporting..	210	183	5	5	.....	.....	178	10	4
42 1949..	72,312	70,160	127	127	.....	.....	70,033	306	129
Sources of surface water, 1949:⁶									
43 Streams (and lakes).....enterprises reporting..	3,560	3,272	81	52	19	10	3,191	700	98
44 1949..	2,166,030	2,023,300	5,019	4,225	372	422	2,018,281	137,636	11,406
45 Springs.....enterprises reporting..	499	380	5	3	2	.....	375	54	12
46 1949..	77,228	62,020	32	23	9	.....	61,988	6,411	401
47 Flowing wells.....enterprises reporting..	176	147	.....	.....	.....	.....	147	11	11
48 1949..	84,195	81,891	.....	.....	.....	.....	81,891	223	223
49 Drainage water.....enterprises reporting..	324	309	.....	.....	.....	.....	309	13	5
50 1949..	557,314	556,879	.....	.....	.....	.....	556,879	3,942	3,233
51 Sewage.....enterprises reporting..	3	3	.....	.....	.....	.....	3	.....	.....
52 1949..	495	495	.....	.....	.....	.....	495	.....	.....
53 Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
54 1949..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drainage of irrigated land:⁷									
Irrigated land drained:									
55 Enterprises reporting.....enterprises 1949..	335	290	1	.....	1	.....	289	22	3
56 1949..	827,602	795,328	100	.....	100	.....	795,228	12,739	3,920
57 Area supplied primary irrigation.....acres 1949..	292,594	286,247	100	.....	100	.....	286,147	3,053	2,113
58 1939..	238,907	238,582	15	.....	15	.....	238,567	(*)	(*)
Irrigated land in need of drainage:									
59 Enterprises reporting.....enterprises 1949..	472	395	2	1	1	.....	393	76	7
60 1949..	681,921	625,773	130	30	100	.....	625,643	23,338	4,136
61 Area supplied primary irrigation.....acres 1949..	120,390	103,990	55	5	50	.....	103,935	5,072	3,067
62 1939..	29,042	23,253	33	.....	15	.....	23,220	(*)	(*)

See footnotes at end of Drainage Basin Table 1, Part 1.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises.]

Item (For definitions and explanations, see text)	Snake River, King Hill to American Falls (1-G)						
	Total	Snake River direct			Big Wood River		
		Total	King Hill to Milner (1a)	Milner to American Falls (1b)	Total	Big Wood River direct (2a)	Canas Creek (2b)
ALL ENTERPRISES							
Farms and land irrigated:							
1 All irrigation enterprises.....enterprises 1950..	778	447	327	123	168	145	23
2 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Interbasin.....enterprises 1950..	7	6	6	3	3	2	1
4 Farms irrigated direct per enterprise ².....farms 1950..	10.7	14.8	13.8	17.0	7.7	8.6	2.2
5 Irrigated land ³.....acres 1949..	678,398	503,358	372,759	130,599	123,602	116,453	7,149
6 1939..	714,701	547,648	418,116	129,532	136,399	127,148	9,251
7 Average per enterprise.....acres 1949..	872	1,126	1,140	1,062	736	803	311
8 Average acreage irrigated direct per enterprise ².....acres 1949..	886	1,137	1,152	1,069	764	836	311
Type of enterprise, 1950:							
9 Single-farm.....enterprises..	677	390	297	93	134	113	21
10 acres irrigated..	74,802	37,612	28,285	9,327	17,814	14,240	3,974
Mutual:							
11 Unincorporated.....enterprises..	70	38	16	22	25	24	1
12 acres irrigated..	26,063	8,879	5,319	3,560	9,041	7,041	(4)
13 Incorporated.....enterprises..	23	15	10	5	6	5	1
14 acres irrigated..	452,448	347,538	334,010	13,528	79,849	78,274	(4)
Commercial.....enterprises..							
District.....enterprises..							
15 7	3	3	2	3	3	3	
16 acres irrigated..	135,209	113,603	8,988	(4)	21,606	21,606	
17 7	3	3	2	3	3	3	
18 acres irrigated..	135,209	113,603	8,988	(4)	21,606	21,606	
19 U. S. Bureau of Reclamation ⁵.....enterprises..	1	1	1	1			
20 acres irrigated..	397	397		397			
21 U. S. Bureau of Indian Affairs ⁵.....enterprises..							
22 acres irrigated..							
23 State.....enterprises..							
24 acres irrigated..							
25 City.....enterprises..							
26 acres irrigated..							
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
27 Gravity only.....enterprises reporting..	459	223	148	77	135	115	20
28 acres irrigated..	534,044	366,594	346,461	20,133	124,172	117,492	6,680
29 Pumped only.....enterprises reporting..	125	114	92	22	10	10	
30 acres irrigated..	17,780	17,461	16,397	1,064	139	139	
31 Gravity and pumped.....enterprises reporting..	24	20	17	3	3	2	1
32 acres irrigated..	65,775	65,336	3,496	61,840	394	13	381
33 Ground water only (pumped from wells).....enterprises reporting..	104	68	51	17	12	11	1
34 acres irrigated..	12,932	10,556	5,939	4,617	780	772	8
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	66	22	19	4	8	7	1
36 acres irrigated..	58,388	48,082	4,309	43,773	2,825	2,745	80
Stored water:							
37 None stored.....enterprises reporting..	683	388	282	106	143	123	20
38 acres irrigated..	116,064	51,214	35,850	15,364	31,270	25,876	5,394
39 Part stored.....enterprises reporting..	45	34	24	13	8	8	
40 acres irrigated..	521,082	430,926	314,929	115,997	88,520	88,520	
41 All stored.....enterprises reporting..	50	25	21	4	17	14	3
42 acres irrigated..	51,773	25,889	25,823	66	8,520	6,765	1,755
Sources of surface water, 1949:⁶							
43 Streams (and lakes).....enterprises reporting..	525	270	177	96	135	117	18
44 acres irrigated..	662,379	486,994	360,681	126,313	125,481	118,977	6,904
45 Springs.....enterprises reporting..	162	102	83	19	19	13	6
46 acres irrigated..	24,277	12,643	9,215	3,428	2,712	1,869	843
47 Flowing wells.....enterprises reporting..	24	14	11	3	8	7	1
48 acres irrigated..	5,325	4,802	3,406	1,396	451	431	20
49 Drainage water.....enterprises reporting..	92	72	50	22	14	14	
50 acres irrigated..	376,078	296,333	188,352	107,981	78,292	78,292	
51 Sewage.....enterprises reporting..	2	2		2			
52 acres irrigated..	492	492		492			
53 Other sources.....enterprises reporting..							
54 acres irrigated..							
Drainage of irrigated land:⁷							
Irrigated land drained:							
55 Enterprises reporting.....enterprises 1949..	25	21	10	11	3	1	2
56 Area supplied primary irrigation.....acres 1949..	283,425	282,740	181,702	101,038	445	165	280
57 Area artificially drained.....acres 1949..	40,803	40,498	8,327	32,171	285	100	185
58 acres 1939..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Irrigated land in need of drainage:							
59 Enterprises reporting.....enterprises 1949..	59	46	26	20	6	4	2
60 Area supplied primary irrigation.....acres 1949..	240,077	230,967	183,549	47,418	838	638	200
61 Area in need of drainage.....acres 1949..	2,464	1,950	1,483	467	115	88	27
62 acres 1939..	(*)	(*)	(*)	(*)	(*)	(*)	(*)

See footnotes at end of Drainage Basin Table 1, Part 1.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the drainage basin or State, except where otherwise noted]

Item (For definitions and explanations, see text)	Great Basin, total	Northwest Great Salt Lake Basin (III-D-1)	Bear River (III-E)				
			Total	Bear River direct			Upper Malad River (2)
				Total	Below Alexander (1a)	Above Alexander (1b)	
ALL ENTERPRISES							
Farms and land irrigated:							
1 All irrigation enterprises.....enterprises 1950..	441	11	430	355	213	143	75
2 1940..	357	14	343	241	(*)	(*)	102
3 Interbasin.....enterprises 1950..	3		3	3	3	1	
4 Farms irrigated direct per enterprise ².....farms 1950..	6.6	3.6	6.7	6.9	7.4	6.0	5.8
5 Irrigated land ³.....acres 1949..	135,294	2,086	133,208	116,344	63,489	52,855	16,864
6 1939..	164,741	2,595	162,146	147,554	90,902	56,652	14,592
7 Average per enterprise.....acres 1949..	307	180	310	328	298	370	225
8 Average acreage irrigated direct per enterprise ².....acres 1949..	348	224	351	369	341	408	267
Type of enterprise, 1950:							
9 Single-farm.....enterprises..	249	8	241	199	119	80	42
10 acres irrigated..	16,339	376	15,963	12,668	4,803	7,865	3,295
Mutual:							
11 Unincorporated.....enterprises..	110	1	109	89	51	38	20
12 acres irrigated..	34,720	(⁴)	34,713	31,850	12,260	19,590	2,863
13 Incorporated.....enterprises..	81	2	79	66	42	25	13
14 acres irrigated..	101,457	(⁴)	99,374	85,505	54,655	30,850	13,869
15 Commercial.....enterprises..							
16 acres irrigated..							
17 District.....enterprises..							
18 acres irrigated..	(⁴)		(⁴)	(⁴)	(⁴)		
19 U. S. Bureau of Reclamation ⁵.....enterprises..							
20 acres irrigated..							
21 U. S. Bureau of Indian Affairs ⁵.....enterprises..							
22 acres irrigated..							
23 State.....enterprises..							
24 acres irrigated..							
25 City.....enterprises..							
26 acres irrigated..							
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
27 Gravity only.....enterprises reporting..	394	10	384	330	192	139	54
28 acres irrigated..	129,865	2,459	127,406	112,377	54,487	37,890	15,029
29 Pumped only.....enterprises reporting..	10		10	10	9	1	
30 acres irrigated..	1,329		1,329	1,329	1,259	70	
31 Gravity and pumped.....enterprises reporting..	11		11	11	9	2	
32 acres irrigated..	17,010		17,010	17,010	16,710	300	
33 Ground water only (pumped from wells).....enterprises reporting..	21	1	20	3	2	1	17
34 acres irrigated..	3,022	7	3,015	107	62	45	2,908
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	5		5	1	1		4
36 acres irrigated..	2,190		2,190	100	100		2,090
Stored water:							
37 None stored.....enterprises reporting..	384	7	377	314	185	130	63
38 acres irrigated..	114,443	1,294	113,149	103,237	47,365	55,872	9,912
39 Part stored.....enterprises reporting..	30	1	29	19	13	6	10
40 acres irrigated..	36,821	1,000	35,821	25,976	24,214	1,762	9,845
41 All stored.....enterprises reporting..	27	3	24	22	15	7	2
42 acres irrigated..	2,152	172	1,980	1,710	1,039	671	270
Sources of surface water, 1949:⁶							
43 Streams (and lakes).....enterprises reporting..	292	4	288	261	153	109	27
44 acres irrigated..	142,730	1,184	141,546	126,853	70,423	56,430	14,693
45 Springs.....enterprises reporting..	119	8	111	101	58	43	10
46 acres irrigated..	15,208	2,349	12,859	7,556	2,811	4,745	5,303
47 Flowing wells.....enterprises reporting..	30		30	3	2	1	27
48 acres irrigated..	2,304		2,304	168	108	60	2,136
49 Drainage water.....enterprises reporting..	15		15	14	13	1	1
50 acres irrigated..	435		435	375	370	5	60
51 Sewage.....enterprises reporting..							
52 acres irrigated..							
53 Other sources.....enterprises reporting..							
54 acres irrigated..							
Drainage of irrigated land:⁷							
Irrigated land drained:							
55 Enterprises reporting.....enterprises 1949..	45		45	44	34	10	1
56 Area supplied primary irrigation.....acres 1949..	32,274		32,274	32,124	26,631	5,493	190
57 Area artificially drained.....acres 1949..	6,347		6,347	6,337	5,569	768	10
58 acres 1939..	325		325	325	(*)	(*)	
Irrigated land in need of drainage:							
59 Enterprises reporting.....enterprises 1949..	77		77	68	45	23	9
60 Area supplied primary irrigation.....acres 1949..	56,148		56,148	49,923	34,052	15,871	6,225
61 Area in need of drainage.....acres 1949..	16,400		16,400	14,318	7,523	6,795	2,082
62 acres 1939..	5,789		5,789	5,419	(*)	(*)	(*)

* Not available. ¹ For 1940, includes data for 4 enterprises in South Fork River Basin (I-F-5c). ² Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise. ³ Acreage irrigated direct by 2 or more enterprises is counted only once. Acreage for 1939 is estimated acreage within revised drainage basin boundaries. ⁴ Data for less than 3 enterprises not shown separately. ⁵ Data for less than 3 enterprises shown with permission of the enterprise. ⁶ Enterprises reporting water from more than 1 source are counted for each. ⁷ For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State.

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises, data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	The State	North Pacific Coast, total	Columbia River excluding Snake River (I-C)				Snake River below Weiser (I-E)		
			Total	Spokane River	Clark Fork	Kootenai River	Snake River, total	Total	Snake River direct
ALL ENTERPRISES									
Irrigation works:									
1 Diversion dams.....enterprises reporting 1950..	2,691	2,364	41	16	17	8	2,323	624	66
2 Dams 1950..	5,121	4,542	56	28	19	9	4,486	1,214	97
3 Dams 1940..	3,209	2,921	70	29	37	4	2,851	(*)	(*)
4 Diversion dams by material:									
5 Concrete or masonry.....dams 1950..	654	541	11	7	4	.....	530	35	8
6 Timber.....dams 1950..	562	500	2	.....	2	.....	498	98	5
7 Earth and rock.....dams 1950..	3,628	3,248	41	21	13	7	3,207	1,027	69
8 Other, mixed, and not reported.....dams 1950..	277	253	2	.....	.....	.....	251	54	15
9 Reservoirs.....enterprises reporting 1950..	275	224	4	3	.....	1	220	27	6
10 Reservoirs 1950..	364	306	5	4	.....	1	301	43	15
11 Reservoirs 1940..	290	242	8	4	4	.....	234	(*)	(*)
12 Reservoirs for which capacity was reported.....reservoirs 1950..	313	263	5	4	.....	1	258	33	10
13 total capacity, acre-feet 1950..	5,124,966	5,084,017	1,076	1,056	.....	20	5,082,941	191,851	10,204
14 Reservoirs by capacity:									
15 1-99 acre-feet.....reservoirs 1950..	167	139	3	2	.....	1	136	17	4
16 100-999 acre-feet.....reservoirs 1950..	74	62	2	2	.....	.....	60	9	3
17 1,000 acre-feet and over.....reservoirs 1950..	72	62	.....	.....	.....	.....	62	7	3
18 Reservoir dams by material:									
19 Concrete or masonry.....dams 1950..	24	23	1	1	.....	.....	22	4	3
20 Earth and rock.....dams 1950..	280	228	3	2	.....	1	225	24	4
21 Other, mixed, and not reported.....dams 1950..	60	55	1	1	.....	.....	54	15	8
22 Canals and ditches.....enterprises reporting 1950..	2,526	2,205	23	11	5	7	2,182	547	62
23 total length, miles 1950..	15,159	14,094	81	69	4	8	14,013	1,090	112
24 total length, miles 1940..	13,602	12,523	49	40	5	4	12,474	(*)	(*)
25 Pipelines and siphons.....enterprises reporting 1950..	325	310	11	7	4	.....	299	52	24
26 total length, miles 1950..	487	477	61	59	2	.....	436	67	97
27 total length, miles 1940..	300	288	72	69	2	1	216	(*)	(*)
28 Tunnels.....enterprises reporting 1950..	13	9	.....	.....	.....	.....	9	.....	.....
29 total length, feet 1950..	38,229	29,729	.....	.....	.....	.....	29,729	.....	.....
30 Flowing wells.....enterprises reporting 1950..	172	143	.....	.....	.....	.....	143	11	11
31 wells 1950..	458	353	.....	.....	.....	.....	353	15	15
32 wells 1940..	375	280	.....	.....	.....	.....	280	(*)	(*)
33 Pumped wells.....enterprises reporting 1950..	629	604	2	1	1	.....	602	32	23
34 wells 1950..	888	862	2	1	1	.....	860	35	26
35 wells 1940..	309	292	2	2	.....	.....	290	(*)	(*)
36 Wells for which pumping lift was reported.....wells 1949..	800	774	.....	.....	.....	.....	774	29	22
37 Average pumping lift.....feet 1949..	50	49	.....	.....	.....	.....	49	19	20
38 Average pumping lift.....feet 1939..	29	(*)	(*)	(*)	.....	.....	(*)	(*)	(*)
39 Irrigation pumps.....enterprises reporting 1950..	1,496	1,453	44	39	4	1	1,409	75	50
40 pumps 1950..	2,151	2,095	51	46	4	1	2,044	94	67
41 pumps 1940..	675	643	14	13	1	2	629	(*)	(*)
42 Electric motors used for pumping.....enterprises reporting 1950..	1,305	1,271	41	37	3	1	1,230	53	42
43 electric motors 1950..	1,920	1,873	46	42	3	1	1,827	71	60
44 electric motors 1940..	495	469	10	10	.....	.....	459	(*)	(*)
45 Other motors and engines used for pumping.....enterprises reporting 1950..	225	216	5	4	1	.....	211	28	10
46 other motors and engines 1950..	253	243	5	4	1	.....	238	32	12
47 other motors and engines 1940..	170	164	4	3	1	1	160	(*)	(*)
48 Season of Irrigation, 1949:									
49 Water delivered only before July 1.....enterprises reporting..	147	135	.....	.....	.....	.....	135	13	6
50 acres irrigated..	19,152	17,627	.....	.....	.....	.....	17,627	1,174	265
51 Water delivered before and after July 1.....enterprises reporting..	4,266	3,854	62	48	9	5	3,792	709	102
52 acres irrigated..	2,205,516	2,054,878	4,083	3,587	167	329	2,050,795	137,758	11,787
53 Water delivered only after July 1.....enterprises reporting..	134	123	16	4	7	5	107	10	5
54 acres irrigated..	8,365	7,346	894	615	186	93	6,452	106	71
55 Capital investment:									
56 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	102,585,798	98,730,177	710,347	695,776	9,221	5,350	98,019,830	(*)	(*)
57 New capital investment Jan. 1, 1940, to Jan. 1, 1950:									
58 Enterprises reporting.....enterprises 1950..	2,091	1,940	53	40	10	3	1,887	265	48
59 Amount.....dollars 1950..	27,387,756	25,786,181	511,028	504,921	5,602	505	25,275,153	1,522,059	1,269,026
60 Area irrigated direct.....acres 1949..	960,583	878,609	3,278	2,816	306	156	875,331	73,984	5,982
61 Total capital investment Jan. 1, 1950.....dollars 1950..	129,973,554	124,516,358	1,221,375	1,200,697	14,823	5,855	123,294,983	(*)	(*)
62 Indebtedness:									
63 Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
64 Enterprises reporting.....enterprises 1950..	92	79	3	3	.....	.....	76	3	3
65 Amount.....dollars 1950..	42,458,116	41,711,054	299,900	299,900	.....	.....	4,411,154	1,318,344	1,318,344
66 Amount.....dollars 1940..	26,418,138	26,267,979	347,478	347,478	.....	.....	.....	(*)	(*)
67 Area irrigated direct.....acres 1949..	724,513	697,101	1,747	1,747	.....	.....	695,354	4,715	4,715
68 Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
69 Enterprises reporting.....enterprises 1950..	4	2	.....	.....	.....	.....	2	.....	.....
70 Amount.....dollars 1950..	3,240	1,140	.....	.....	.....	.....	1,140	.....	.....
71 Area irrigated direct.....acres 1949..	1,200	775	.....	.....	.....	.....	775	.....	.....

See footnotes at end of Drainage Basin Table 1, Part 2.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises,

Item (For definitions and explanations, see text)	Snake River below Weiser (I-E)—Continued							
	Salmon River							
	Total	Salmon River direct			Lemhi River	Pahsimeroi River		
		Total	Below French Creek	French Creek to Salmon			Above Salmon	
		(3a)	(3b)	(3c)	(3d)	(3e)		
ALL ENTERPRISES								
Irrigation works:								
1	Diversion dams.....enterprises reporting 1950..	558	331	80	111	140	171	57
2	dams 1950..	1,117	653	174	213	266	386	78
3	1940..	814	274	(*)	(*)	230	255	55
Diversion dams by material:								
4	Concrete or masonry.....dams 1950..	27	17	9	.....	8	4	6
5	Timber.....dams 1950..	93	53	22	22	9	35	5
6	Earth and rock.....dams 1950..	958	561	141	180	240	330	67
7	Other, mixed, and not reported.....dams 1950..	39	22	2	11	9	17	.....
8	Reservoirs.....enterprises reporting 1950..	21	14	5	4	5	7	.....
9	reservoirs 1950..	28	21	7	4	10	7	.....
10	1940..	13	8	(*)	(*)	3	2	.....
11	Reservoirs for which capacity was reported.....reservoirs 1950..	23	16	5	4	7	7	.....
12	total capacity, acre-feet 1950..	181,647	180,783	7,660	172,513	610	864	.....
13	1940..	7,324	(*)	(*)	(*)	31	(*)	.....
Reservoirs by capacity:								
14	1-99 acre-feet.....reservoirs 1950..	13	9	2	2	5	4	.....
15	100-999 acre-feet.....reservoirs 1950..	6	3	1	.....	2	3	.....
16	1,000 acre-feet and over.....reservoirs 1950..	4	4	2	2	.....	.....	.....
Reservoir dams by material:								
17	Concrete or masonry.....dams 1950..	1	1	.....	1	.....	.....	.....
18	Earth and rock.....dams 1950..	20	16	5	1	10	4	.....
19	Other, mixed, and not reported.....dams 1950..	7	4	2	2	.....	3	.....
20	Canals and ditches.....enterprises reporting 1950..	485	282	71	77	134	147	57
21	total length, miles 1950..	978	462	110	97	255	302	214
22	1940..	1,429	355	(*)	(*)	405	573	95
23	Pipelines and siphons ¹.....enterprises reporting 1950..	28	22	13	4	5	5	1
24	total length, miles 1950..	10	8	5	1	2	2	(²)
25	1940..	3	1	(*)	(*)	1	1	.....
26	Tunnels.....enterprises reporting 1950..	.....	.....	.....	.....	.....	.....	.....
27	total length, feet 1950..	.....	.....	.....	.....	.....	.....	.....
28	Flowing wells.....enterprises reporting 1950..	.....	.....	.....	.....	.....	.....	.....
29	wells 1950..	.....	.....	.....	.....	.....	.....	.....
30	1940..	.....	.....	(*)	(*)	.....	.....	.....
31	Pumped wells.....enterprises reporting 1950..	9	6	.....	1	5	.....	3
32	wells 1950..	9	6	.....	1	5	.....	3
33	1940..	1	.....	(*)	(*)	.....	.....	.....
34	Wells for which pumping lift was reported.....wells 1949..	7	6	.....	1	5	.....	1
35	Average pumping lift.....feet 1949..	18	19	.....	20	19	.....	10
36	1939..	(*)	(*)	(*)	(*)	(*)	.....	.....
37	Irrigation pumps.....enterprises reporting 1950..	25	22	2	5	15	1	2
38	pumps 1950..	27	24	2	7	15	1	2
39	1940..	7	3	(*)	(*)	4	.....	.....
40	Electric motors used for pumping.....enterprises reporting 1950..	11	10	2	4	4	1	.....
41	electric motors 1950..	11	10	2	4	4	1	.....
42	1940..	3	1	(*)	(*)	2	.....	.....
43	Other motors and engines used for pumping.....enterprises reporting 1950..	18	15	.....	4	11	.....	3
44	other motors and engines 1950..	20	16	.....	5	11	.....	4
45	1940..	3	2	(*)	(*)	1	.....	.....
Season of irrigation, 1949:								
46	Water delivered only before July 1.....enterprises reporting..	7	2	.....	2	.....	5	.....
47	acres irrigated..	909	137	.....	137	.....	772	.....
48	Water delivered before and after July 1.....enterprises reporting..	607	375	.....	90	174	169	64
49	acres irrigated..	125,971	60,347	14,700	10,210	35,437	46,453	19,171
50	Water delivered only after July 1.....enterprises reporting..	5	5	2	2	1	.....	.....
51	acres irrigated..	35	35	10	17	8	.....	.....
Capital Investment:								
52	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	789,069	448,165	(*)	(*)	237,433	270,716	70,188
New capital investment Jan. 1, 1940, to Jan. 1, 1950:								
53	Enterprises reporting.....enterprises 1950..	217	122	29	19	74	57	38
54	Amount.....dollars 1950..	253,033	140,706	28,534	14,418	97,754	51,035	61,292
55	Area irrigated direct.....acres 1949..	68,002	34,044	7,889	4,075	22,080	21,382	12,576
56	Total capital investment Jan. 1, 1950.....dollars 1950..	1,042,102	588,871	(*)	(*)	335,187	321,751	131,490
Indebtedness:³								
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
57	Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....	.....
58	Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....	.....
59	1940..	2,500	2,500	(*)	(*)	.....	.....	.....
60	Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
61	Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....	.....
62	Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....	.....
63	Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....	.....

See footnotes at end of Drainage Basin Table 1, Part 2.

CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Snake River, Weiser to King Hill (I-F)											Snake River, King Hill to American Falls (I-G)								
Total	Snake River direct	Weiser River	Payette River			Owyhee River			Boise River	Bruneau River	Total	Snake River direct			Big Wood River				
			Total	Payette River direct	North Fork	Total	Owyhee River direct	Jordan Creek				Total	King Hill to Milner	Milner to American Falls	Total	Big Wood River direct	Camas Creek		
(1)	(2)	(3)	(3a)	(3b)	(5a)	(5b)	(6)	(7)	(1a)	(1b)	(2a)	(2b)							
694	122	174	183	140	44	52	21	31	132	36	426	188	117	71	119	101	18	1	
1,297	258	250	291	216	75	166	53	113	171	161	794	319	173	146	197	146	51	2	
(*)	(*)	(*)	(*)	(*)		174	52	117	(*)	154	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	3
118	19	24	32	29	3	12	1	11	23	8	151	73	38	35	33	29	4	4	
158	19	43	52	28	24	11	11	.....	31	2	118	31	14	17	44	37	7	5
921	189	166	188	149	39	126	39	87	105	147	492	205	111	94	100	60	40	6	
100	31	17	19	10	9	17	2	15	12	4	33	10	10	.....	20	20	.....	7
104	20	12	39	10	29	10	6	4	16	11	48	16	6	10	17	14	3	8	
139	23	13	48	12	36	16	12	4	21	18	67	22	8	14	21	17	4	9	
(*)	(*)	(*)	(*)	(*)	20	22	17	4	(*)	4	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	10
125	21	12	47	11	36	10	7	3	21	14	57	18	5	13	19	15	4	11	
1,797,500	15,513	71,342	747,583	34,958	712,625	3,747	3,051	696	954,104	5,211	646,988	104,932	7,799	97,133	256,829	218,429	38,400	12	
(*)	(*)	(*)	(*)	(*)	100,426	17,739	17,021	538	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	13
58	9	2	25	8	17	5	4	1	11	6	37	12	3	9	9	9	.....	14
35	8	6	11	1	10	3	1	2	2	5	9	4	1	3	3	3	2	15	
32	4	4	11	2	9	2	2	.....	8	3	11	2	1	1	5	3	2	16
10	3	2	4	.....	4	.....	.....	.....	1	.....	5	1	.....	1	2	1	1	17
102	17	4	36	10	26	13	12	1	17	15	53	19	8	11	15	13	2	18	
27	3	7	8	2	6	3	.....	3	3	3	9	2	.....	2	4	3	1	19
629	107	149	169	123	47	36	17	19	145	36	366	198	130	70	76	62	14	20	
4,382	881	331	708	526	182	85	35	50	2,256	121	4,646	3,304	2,427	877	1,031	995	36	21	
(*)	(*)	(*)	(*)	(*)	156	133	66	60	(*)	118	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	22
132	48	11	40	35	6	1	.....	1	33	.....	68	64	56	9	1	.....	1	23
147	47	8	13	12	1	.....	.....	.....	79	.....	95	41	37	4	1	.....	1	24
(*)	(*)	(*)	(*)	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	25
1	1	.....	1	1	.....	.....	.....	.....	.....	.....	6	3	3	.....	2	2	.....	26
24,122	13,380	.....	10,742	10,742	.....	.....	.....	.....	.....	.....	4,269	345	345	.....	924	924	.....	27
96	25	1	5	5	.....	.....	.....	.....	47	18	24	14	11	3	7	7	1	28
242	65	1	5	5	.....	.....	.....	.....	112	59	59	45	42	3	12	11	1	29
(*)	(*)	(*)	(*)	(*)	1	(*)	66	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	30
237	124	8	9	9	.....	.....	.....	.....	92	4	169	89	69	20	19	17	2	31
298	156	10	9	9	.....	.....	.....	.....	116	7	293	175	136	39	23	21	.....	32
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	33
267	143	7	8	8	.....	.....	.....	.....	103	6	252	143	114	29	19	17	2	34
40	30	60	40	40	.....	.....	.....	.....	51	68	73	101	108	76	18	18	17	35
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	36
687	302	37	141	133	9	.....	.....	.....	200	9	313	220	175	46	31	29	2	37
909	426	47	171	162	9	.....	.....	.....	252	13	542	406	301	105	36	34	.....	38
(*)	(*)	(*)	(*)	(*)	2	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	39
619	285	32	110	104	7	.....	.....	.....	187	7	283	213	169	45	26	24	2	40
825	404	38	134	127	7	.....	.....	.....	238	11	506	400	297	103	28	26	.....	41
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	42
68	17	5	29	27	2	.....	.....	.....	14	3	39	12	8	4	6	6	.....	43
69	17	6	29	27	2	.....	.....	.....	14	3	45	13	9	4	8	8	.....	44
(*)	(*)	(*)	(*)	(*)	2	(*)	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	45
67	23	19	5	4	1	6	3	3	11	4	24	5	5	.....	5	.....	5	46
5,686	1,765	2,094	153	138	15	415	100	315	868	391	6,921	749	749	.....	1,128	.....	1,128	47
1,379	413	190	328	271	59	49	20	29	364	49	720	424	309	118	130	134	16	48	
561,310	142,008	25,083	112,610	80,781	31,829	12,997	8,478	4,519	255,293	13,319	677,992	505,552	374,500	131,052	125,254	119,261	5,993	49	
40	5	5	10	7	.....	.....	.....	.....	19	1	22	14	11	3	8	6	2	50
1,937	163	155	360	12	348	.....	.....	.....	959	300	1,913	1,573	1,353	220	340	312	28	51
(*)	(*)	(*)	(*)	(*)	368,667	154,510	93,200	56,110	(*)	142,184	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	52
769	265	84	210	165	47	15	9	6	180	21	387	210	171	40	88	73	15	53	
18,741,523	1,513,036	85,120	8,376,844	1,620,213	6,756,631	26,914	22,564	4,350	8,670,906	68,703	3,183,988	2,209,916	1,819,673	390,243	204,492	197,177	7,315	54	
338,472	118,826	12,729	67,198	40,278	26,920	7,382	6,720	662	123,700	8,637	109,239	46,995	38,636	8,359	36,814	33,847	2,967	55	
(*)	(*)	(*)	(*)	(*)	7,125,298	181,424	115,764	60,460	(*)	210,887	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	56
34	15	5	5	5	1	.....	.....	.....	11	2	10	6	3	4	4	3	1	57
28,922,336	9,717,301	54,554	5,031,374	5,014,374	17,000	.....	.....	.....	24,116,413	2,694	8,741,755	1,879,287	1,049,634	829,653	6,820,368	6,847,768	2,600	58
(*)	(*)	(*)	(*)	(*)	45,200	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	59
327,069	95,985	3,699	43,210	36,891	6,319	.....	.....	.....	182,844	1,331	209,108	120,961	12,617	108,344	86,956	85,381	1,575	60
1	1	61
140	140	62
400	400	63

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises,

Item (For definitions and explanations, see text)	Snake River, King Hill to American Falls (I-G)—Continued			Snake River above American Falls (I-H)						
	Upper Salmon Falls Creek	Goose Creek	Raft River	Total	Snake River direct			Portneuf River		
					Total	American Falls to Heise	Above Heise			
	(3)	(4)	(5)		(1a)	(1b)	(2)			
ALL ENTERPRISES										
Irrigation works:										
1	Diversion dams.....enterprises reporting	1950..	9	35	75	584	148	126	22	134
2	Diversion dams.....dams	1950..	19	90	169	1,181	322	292	30	215
3	Diversion dams.....dams	1940..	(*)	(*)	37	(*)	(*)	(*)	(*)	(*)
Diversion dams by material:										
4	Concrete or masonry.....dams	1950..		9	36	226	82	75	7	39
5	Timber.....dams	1950..	2	24	17	124	29	24	5	13
6	Earth and rock.....dams	1950..	17	55	115	767	203	185	18	156
7	Other, mixed, and not reported.....dams	1950..		2	1	64	8	8		7
8	Reservoirs.....enterprises reporting	1950..	3	5	8	44	13	12	1	9
9	Reservoirs.....reservoirs	1950..	3	5	16	52	16	15	1	11
10	Reservoirs for which capacity was reported.....reservoirs	1940..	(*)	(*)	13	(*)	(*)	(*)	(*)	(*)
11	Reservoirs for which capacity was reported.....reservoirs	1950..	3	4	13	43	15	14	1	6
12	Reservoirs for which capacity was reported.....total capacity, acre-feet	1950..	207,651	74,482	3,094	2,446,602	2,152,211	2,151,011	1,200	18,211
13	Reservoirs for which capacity was reported.....total capacity, acre-feet	1940..	(*)	(*)	1,568	(*)	(*)	(*)	(*)	(*)
Reservoirs by capacity:										
14	1-99 acre-feet.....reservoirs	1950..	1	3	12	24	9	9		2
15	100-999 acre-feet.....reservoirs	1950..				7		2		3
16	1,000 acre-feet and over.....reservoirs	1950..	2	1	1	12	4	3	1	1
Reservoir dams by material:										
17	Concrete or masonry.....dams	1950..	2			3				
18	Earth and rock.....dams	1950..	1	4	14	46	15	15		11
19	Other, mixed, and not reported.....dams	1950..		1	2	3	1		1	
20	Canals and ditches.....enterprises reporting	1950..	6	21	68	649	269	242	27	109
21	Canals and ditches.....total length, miles	1950..	65	64	182	3,895	2,100	2,036	64	363
22	Canals and ditches.....total length, miles	1940..	(*)	(*)	89	(*)	(*)	(*)	(*)	(*)
23	Pipelines and siphons ¹.....enterprises reporting	1950..	1	2		49	25	25		13
24	Pipelines and siphons ¹.....total length, miles	1950..	1	52		107	11	11		5
25	Pipelines and siphons ¹.....total length, miles	1940..	(*)	(*)	1	(*)	(*)	(*)	(*)	(*)
26	Tunnels.....enterprises reporting	1950..	1			2				2
27	Tunnels.....total length, feet	1950..	3,000			1,338				1,338
28	Flowing wells.....enterprises reporting	1950..			2	12	8	8		2
29	Flowing wells.....wells	1950..			2	37	8	8		5
30	Flowing wells.....wells	1940..	(*)	(*)	1	(*)	(*)	(*)	(*)	(*)
31	Pumped wells.....enterprises reporting	1950..		8	53	164	98	97	1	3
32	Pumped wells.....wells	1950..		11	84	234	115	114	1	3
33	Pumped wells.....wells	1940..	(*)	(*)	28	(*)	(*)	(*)	(*)	(*)
34	Wells for which pumping lift was reported.....wells	1949..		7	83	226	112	111	1	2
35	Wells for which pumping lift was reported.....average pumping lift, feet	1949..		95	35	36	50	50	12	11
36	Wells for which pumping lift was reported.....average pumping lift, feet	1939..	(*)	(*)	39	(*)	(*)	(*)	(*)	(*)
37	Irrigation pumps.....enterprises reporting	1950..		8	54	336	228	225	3	32
38	Irrigation pumps.....pumps	1950..		11	89	499	325	322	3	39
39	Irrigation pumps.....pumps	1940..	(*)	(*)	27	(*)	(*)	(*)	(*)	(*)
40	Electric motors used for pumping.....enterprises reporting	1950..		7	37	277	196	194	2	21
41	Electric motors used for pumping.....electric motors	1950..		10	68	425	282	279	3	22
42	Electric motors used for pumping.....electric motors	1940..	(*)	(*)		(*)	(*)	(*)	(*)	(*)
43	Other motors and engines used for pumping.....enterprises reporting	1950..		1	20	76	50	48	2	11
44	Other motors and engines used for pumping.....other motors and engines	1950..		1	23	92	60	58	2	14
45	Other motors and engines used for pumping.....other motors and engines	1940..	(*)	(*)	21	(*)	(*)	(*)	(*)	(*)
Season of irrigation, 1949:										
46	Water delivered only before July 1.....enterprises reporting		1		13	31	4	4		10
47	Water delivered only before July 1.....acres irrigated		160		4,884	3,846	15	15		866
48	Water delivered before and after July 1.....enterprises reporting		10	44	95	997	447	413	34	161
49	Water delivered before and after July 1.....acres irrigated		9,024	15,304	22,858	673,735	403,697	395,970	7,727	30,741
50	Water delivered only after July 1.....enterprises reporting					35	20	20		2
51	Water delivered only after July 1.....acres irrigated					2,496	1,296	1,296		436
Capital investment:										
52	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars	1940..	(*)	(*)	132,992	(*)	(*)	(*)	(*)	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950:										
53	Enterprises reporting.....enterprises	1950..	2	21	68	472	266	259	7	43
54	Enterprises reporting.....dollars	1950..	185,000	360,089	224,491	1,827,583	1,089,122	1,078,822	10,300	60,875
55	Area irrigated direct.....acres	1949..	1,570	13,193	10,667	353,636	194,693	191,724	2,969	8,727
56	Total capital investment Jan. 1, 1950.....dollars	1950..	(*)	(*)	357,483	(*)	(*)	(*)	(*)	(*)
Indebtedness:²										
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
57	Enterprises reporting.....enterprises	1950..			1	30	14	14		2
58	Enterprises reporting.....dollars	1950..			12,100	2,428,719	308,226	308,226		1,946
59	Enterprises reporting.....dollars	1940..	(*)	(*)	25	(*)	(*)	(*)	(*)	(*)
60	Area irrigated direct.....acres	1949..			1,191	154,462	80,910	80,910		1,689
Arreage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
61	Enterprises reporting.....enterprises	1950..				1				
62	Enterprises reporting.....dollars	1950..				1,000				
63	Enterprises reporting.....dollars	1949..				375				

* Not available.
¹ Pipelines in farm-distribution systems were included in 1940, not included in 1950.
² Less than 0.5.
³ Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Snake River above American Falls (I-II)—Continued									Great Basin, total	Northwest Great Salt Lake Basin (III-D-1)	Hear River (III-E)					
Henry's Fork			Salt River	Independent basins							Total	Hear River direct				
Total	Henry's Fork direct	Upper Teton River		Total	Rig Lost River	Little Lost River	Medicine Lodge and Birch Creek	Mud Lake and Camas Creek				Total	Total	Below Alexander	Above Alexander	Upper Malad River
	(3a)	(3b)	(4)	(5a)	(5b)	(5c)	(5d)			(1a)	(1b)	(2)				
145	55	91	13	144	65	19	29	31	329	7	322	287	168	120	35	1
321	157	164	42	281	116	26	76	63	579	13	566	492	245	247	74	2
147	(*)	(*)	22	151	44	14	52	41	288	2	286	236	(*)	(*)	50	3
38	28	10	.....	67	35	17	11	4	113	3	110	91	39	52	19	4
35	5	30	6	41	20	3	13	5	62	.....	62	58	14	44	4	5
223	105	118	32	153	58	6	35	54	380	10	370	320	183	137	50	6
25	19	6	4	20	3	.....	17	.....	24	.....	24	23	9	14	1	7
17	10	7	2	4	1	.....	.....	3	51	4	47	38	24	14	.....	8
19	11	8	2	4	1	.....	.....	3	58	4	54	43	27	16	11	9
13	(*)	(*)	.....	3	2	.....	.....	1	48	6	42	31	(*)	(*)	12	10
17	10	7	2	3	1	.....	.....	2	50	4	46	37	24	13	9	11
224,619	224,601	18	156	51,405	38,405	.....	.....	13,000	40,949	3,904	37,045	32,064	29,194	2,870	4,931	12
210,747	(*)	(*)	.....	(*)	(*)	.....	.....	(*)	27,193	50	27,143	25,263	(*)	(*)	1,775	13
11	4	7	2	.....	.....	.....	.....	.....	28	3	25	20	14	6	5	14
2	2	.....	.....	.....	.....	.....	.....	.....	12	.....	12	10	4	6	2	15
4	4	.....	.....	3	1	.....	.....	2	10	1	9	7	6	1	2	16
2	2	.....	.....	1	1	.....	.....	.....	1	.....	1	1	1	.....	.....	17
15	8	7	2	3	.....	.....	.....	3	52	4	48	37	22	15	11	18
2	1	1	.....	.....	.....	.....	.....	.....	5	.....	5	5	4	.....	.....	19
136	66	71	6	130	65	19	21	25	325	5	320	283	163	121	37	20
787	563	224	29	616	330	92	75	119	1,064	20	1,044	932	554	374	112	21
771	(*)	(*)	41	478	243	58	86	91	1,079	40	1,039	923	(*)	(*)	116	22
6	6	.....	1	4	2	1	1	.....	15	.....	15	14	14	.....	1	23
86	86	.....	1	4	2	(²)	2	.....	8	.....	8	8	8	.....	(²)	24
1	(*)	(*)	1	2	2	.....	.....	(²)	12	.....	12	9	(*)	(*)	2	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	4	4	4	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	8,500	.....	8,500	8,500	8,500	.....	.....	27
.....	.....	.....	.....	2	.....	.....	.....	2	30	.....	30	3	2	1	27	28
.....	.....	.....	.....	24	.....	.....	.....	24	105	.....	105	12	2	10	93	29
.....	(*)	(*)	.....	29	.....	.....	.....	29	95	1	94	.....	(*)	(*)	94	30
5	3	2	.....	58	5	8	.....	45	25	1	24	4	3	1	20	31
8	3	5	.....	108	5	11	.....	92	26	1	25	4	3	1	21	32
5	(*)	(*)	.....	54	.....	.....	.....	54	17	3	14	7	(*)	(*)	7	33
7	2	5	.....	105	4	11	.....	90	26	1	25	4	3	1	21	34
44	42	44	.....	22	32	56	.....	17	98	14	101	66	82	16	108	35
31	(*)	(*)	.....	20	.....	.....	.....	20	(*)	117	41	22	(*)	(*)	66	36
18	16	2	.....	58	5	8	.....	45	43	1	42	22	19	3	20	37
22	17	5	.....	113	5	11	.....	97	56	1	57	34	31	3	21	38
8	(*)	(*)	.....	51	.....	.....	.....	51	32	3	29	23	(*)	(*)	6	39
4	4	.....	.....	56	1	7	.....	48	34	.....	34	14	14	.....	20	40
4	4	.....	.....	117	1	10	.....	106	47	.....	47	26	26	.....	21	41
1	(*)	(*)	.....	45	.....	.....	.....	45	26	.....	26	21	(*)	(*)	5	42
11	9	2	.....	4	3	1	.....	9	10	1	8	8	5	3	.....	43
14	9	5	.....	4	3	1	.....	10	1	9	9	6	6	3	.....	44
7	(*)	(*)	.....	6	.....	.....	.....	6	6	3	3	2	(*)	(*)	1	45
5	1	4	.....	12	.....	.....	4	8	13	3	10	6	3	3	4	46
799	15	784	.....	2,166	.....	.....	886	1,280	1,525	94	1,431	1,146	531	615	285	47
176	77	100	.....	201	83	27	24	67	415	8	407	338	204	135	69	48
146,776	107,094	39,682	3,404	89,117	37,686	12,029	5,524	33,878	150,638	2,372	148,266	128,675	71,505	57,170	19,591	49
11	11	.....	.....	2	1	1	.....	11	11	.....	11	9	4	2	50	50
701	701	.....	.....	63	3	60	.....	.....	1,019	.....	1,019	868	348	520	151	51
4,602,284	(*)	(*)	24,845	1,242,049	593,768	211,390	42,945	393,946	3,855,621	22,462	3,833,159	3,631,388	(*)	(*)	201,771	52
66	39	27	2	96	38	14	11	33	152	4	148	115	59	57	33	53
197,840	159,744	38,096	2,575	477,171	104,032	63,096	23,000	287,043	1,601,575	5,700	1,595,875	1,126,593	1,050,903	75,690	469,232	54
76,920	50,767	26,153	2,100	71,196	31,297	7,809	2,812	29,278	81,974	1,054	80,920	66,815	47,645	19,170	14,105	55
4,800,124	(*)	(*)	27,420	1,719,220	697,800	274,486	65,945	680,989	5,457,196	28,162	5,429,034	4,757,981	(*)	(*)	671,053	56
10	9	1	.....	4	1	.....	.....	3	15	.....	15	12	9	3	3	57
1,962,100	1,960,468	1,632	.....	156,447	115,000	.....	.....	41,447	747,062	.....	747,062	657,480	653,180	4,300	39,582	58
2,923,156	(*)	(*)	.....	288,000	238,000	.....	.....	50,000	150,159	.....	150,159	148,523	(*)	(*)	1,636	59
30,671	27,071	3,600	.....	41,192	24,025	.....	.....	17,167	27,412	.....	27,412	19,558	17,496	2,062	7,854	60
1	1	.....	.....	.....	.....	.....	.....	.....	2	.....	2	1	1	.....	1	61
1,000	1,000	.....	.....	.....	.....	.....	.....	.....	2,100	.....	2,100	100	100	.....	2,000	62
375	375	.....	.....	.....	.....	.....	.....	.....	425	.....	425	200	200	.....	225	63

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data

Item (For definitions and explanations, see text)	The State	North Pacific Coast, total	Columbia River excluding Snake River (I-C)			Snake River below Weiser (I-E)				
			Total	Spokane River	Clark Fork	Kootenai River	SNAKE RIVER, total	Total	SNAKE RIVER direct	
				(7)	(8a)	(9)		(1)		
ALL ENTERPRISES										
Cost of water to farms, 1949: ¹										
Total cost of water to farms:										
1	Enterprises reporting.....enterprises..	4,572	4,134	86	56	20	10	4,048	735	120
2	Cost.....dollars..	6,127,513	5,851,822	54,078	53,479	389	210	5,797,744	114,361	56,486
3	Area irrigated direct.....acres..	2,243,652	2,090,236	5,047	4,249	376	422	2,085,189	139,135	12,188
4	Cost per acre irrigated direct.....dollars..	2.73	2.80	10.71	12.59	1.03	0.50	2.78	0.82	4.63
5	Total cost per irrigated acre.....dollars..	2.83	2.88	10.88	12.81	1.03	0.50	2.86	0.84	4.64
6	Total cost per acre-foot of water ².....dollars..	0.53	0.52	2.86	3.28	0.37	(?)	0.52	0.14	0.91
Enterprises by cost per acre:										
7	Less than \$1.00.....enterprises reporting..	2,543	2,239	39	16	15	8	2,200	560	52
8	acres irrigated..	604,660	527,586	808	179	293	336	526,778	115,069	2,009
9	\$1.00-\$1.99.....enterprises reporting..	454	394	2	2	.....	.....	392	48	7
10	acres irrigated..	352,861	322,271	255	255	.....	.....	322,016	7,330	414
11	\$2.00-\$4.99.....enterprises reporting..	698	654	12	7	3	2	642	58	19
12	acres irrigated..	851,563	820,842	497	345	66	86	820,345	13,170	6,931
13	\$5.00-\$9.99.....enterprises reporting..	495	475	21	20	1	.....	454	30	16
14	acres irrigated..	408,123	394,073	2,151	2,149	2	.....	391,922	1,762	1,235
15	\$10.00 and over.....enterprises reporting..	382	372	12	11	1	.....	360	39	26
16	acres irrigated..	26,445	25,464	1,336	1,321	15	.....	24,128	1,804	1,599
Cost of water for primary irrigation:										
17	Enterprises reporting.....enterprises..	4,338	3,913	84	54	20	10	3,829	729	119
18	Cost.....dollars..	5,960,033	5,720,040	53,478	52,879	389	210	5,666,562	113,050	55,796
19	Area supplied primary irrigation.....acres..	2,167,879	2,032,585	4,972	4,174	376	422	2,027,613	136,872	12,178
20	Cost per acre supplied.....dollars..	2.75	2.81	10.76	12.67	1.03	0.05	2.79	0.83	4.58
Cost of water for supplemental irrigation:										
21	Enterprises reporting.....enterprises..	451	379	2	2	.....	.....	377	17	2
22	Cost.....dollars..	167,480	131,782	600	600	.....	.....	131,182	1,311	690
23	Area supplied supplemental irrigation.....acres..	75,773	57,651	75	75	.....	.....	57,576	2,263	10
24	Cost per acre supplied.....dollars..	2.21	2.29	8.00	8.00	.....	.....	2.28	0.58	69.00
Cost to farms for purposes other than operation and maintenance: ⁴										
25	Enterprises reporting.....enterprises..	196	163	4	4	.....	.....	159	8	3
26	Cost.....dollars..	1,407,636	1,326,613	20,781	20,781	.....	.....	1,305,832	12,308	6,371
27	Area irrigated direct.....acres..	925,655	866,326	1,985	1,985	.....	.....	864,341	10,013	5,634
28	Cost per acre irrigated.....dollars..	1.52	1.53	10.47	10.47	.....	.....	1.51	1.23	1.17
Arrearage in payments by farms, Jan. 1, 1950: ⁴										
29	Enterprises reporting.....enterprises..	136	114	6	6	.....	.....	108	3	1
30	Amount.....dollars..	318,779	307,100	9,970	9,970	.....	.....	297,130	2,407	2,000
31	Area irrigated direct.....acres..	797,508	751,096	2,800	2,800	.....	.....	748,296	4,165	1,275
SINGLE-FARM ENTERPRISES, 1950										
32	Single-farm enterprises.....enterprises..	3,557	3,309	77	50	17	10	3,232	606	108
33	Area irrigated.....acres..	347,620	331,281	2,080	1,449	209	422	329,201	76,596	3,406
34	Complete-system enterprises ⁵.....enterprises..	2,892	2,659	53	26	17	10	2,606	557	97
35	Area irrigated.....acres..	301,496	287,189	1,210	579	209	422	285,979	70,103	3,032
Other farms irrigated:										
36	Enterprises reporting.....number..	108	102	2	2	.....	.....	100	17	6
37	Number of other farms.....farms..	135	129	4	4	.....	.....	125	20	7
38	Area irrigated in other farms.....acres..	5,009	4,906	184	184	.....	.....	4,722	547	118
Enterprises by origin of water supply: ⁵										
39	No water from other enterprises.....enterprises reporting..	2,926	2,693	53	26	17	10	2,640	562	98
40	acres irrigated..	302,118	287,811	1,210	579	209	422	286,601	70,247	3,116
41	Part of water from other enterprises.....enterprises reporting..	152	142	.....	.....	.....	.....	142	31	5
42	acres irrigated..	19,672	17,914	.....	.....	.....	.....	17,914	4,912	183
43	All of water from other enterprises.....enterprises reporting..	479	474	24	24	.....	.....	450	13	5
44	acres irrigated..	25,830	25,556	870	870	.....	.....	24,686	1,437	107
Enterprises by primary and supplemental irrigation:										
45	All primary.....enterprises reporting..	3,282	3,043	75	48	17	10	2,968	597	106
46	acres irrigated..	332,678	316,708	2,005	1,374	209	422	314,703	76,155	3,390
47	Part primary, part supplemental.....enterprises reporting..	33	30	.....	.....	.....	.....	30	1	1
48	Primary irrigation.....acres irrigated..	1,703	1,595	.....	.....	.....	.....	1,595	6	6
49	Supplemental irrigation.....acres irrigated..	2,551	2,449	.....	.....	.....	.....	2,449	7	7
50	All supplemental.....enterprises reporting..	220	214	2	2	.....	.....	212	5	1
51	acres irrigated..	10,688	10,529	75	75	.....	.....	10,454	428	3
Enterprises by number of acres irrigated: ⁵										
52	None.....enterprises reporting..	22	22	.....	.....	.....	.....	22	3	.....
53	1-9 acres.....enterprises reporting..	571	532	31	17	12	2	501	103	47
54	10-29 acres.....enterprises reporting..	760	683	21	16	3	2	662	107	28
55	30-59 acres.....enterprises reporting..	694	643	16	12	1	3	629	104	14
56	60-99 acres.....enterprises reporting..	520	484	3	2	.....	1	481	82	12
57	100-199 acres.....enterprises reporting..	542	512	5	2	1	2	507	103	5
58	200-499 acres.....enterprises reporting..	354	340	1	1	.....	.....	339	73	1
59	500-999 acres.....enterprises reporting..	61	59	.....	.....	.....	.....	59	22	.....
60	1,000 acres or more.....enterprises reporting..	35	32	.....	.....	.....	.....	32	9	1

See footnotes at end of Drainage Basin Table 1, Part 3.

CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Snake River below Weiser (I-F)—Continued							Snake River, Weiser to King Hill (I-F)											
Total	Salmon River						Total	Snake River direct	Weiser River	Payette River			Owyhee River				Boise River	Brunau River
	Salmon River direct				Lemhi River	Pahsi-meroi River				Total	Payette River direct	North Fork	Total	Owyhee River direct	Jordan Creek			
	Total	Below French Creek	French Creek to Salmon	Above Salmon												(3a)			(3b)	(3c)	(3d)	(3e)	(5a)	(5b)	(6)	(7)
615	378	88	116	174	174	64	1,491	446	210	337	275	64	56	24	32	401	54	1
57,875	38,095	12,811	3,878	21,406	13,534	6,246	2,324,240	765,220	44,445	266,926	230,475	36,451	1,093	1,093	0	1,234,304	12,252	2
126,947	60,551	14,710	10,386	35,455	47,225	19,171	571,337	145,062	27,332	113,164	80,972	32,192	13,452	8,618	4,834	258,317	14,010	3
0.46	0.63	0.87	0.37	0.60	0.29	0.33	4.07	5.28	1.63	2.36	2.85	1.13	0.08	0.13	0.00	4.78	0.87	4
0.46	0.64	0.89	0.38	0.62	0.29	0.33	4.17	5.31	1.72	2.49	2.90	1.30	0.08	0.13	0.00	4.87	0.90	5
0.08	0.11	0.30	0.07	0.09	0.05	0.05	0.79	0.98	0.38	0.41	0.45	0.29	(3)	(3)	0.00	0.94	0.14	6
508	294	62	100	132	158	57	666	129	128	158	113	45	56	24	32	157	42	7
113,060	49,393	9,562	9,728	30,103	45,357	18,310	117,639	13,967	11,740	46,717	24,296	22,421	13,452	8,618	4,834	23,112	8,651	8
41	25	10	5	10	12	4	147	24	32	41	36	5	.....	.....	.....	51	2	9
6,916	4,660	3,472	415	773	1,581	675	73,342	11,962	7,119	13,376	13,120	256	.....	.....	.....	37,593	3,292	10
39	34	8	5	21	4	1	267	94	26	62	52	10	.....	.....	.....	81	8	11
6,239	5,803	1,498	123	4,182	287	149	120,082	17,945	6,499	41,849	32,667	9,182	.....	.....	.....	51,749	2,040	12
14	14	5	2	7	.....	.....	211	115	13	40	38	4	.....	.....	.....	44	1	13
527	527	120	86	321	.....	.....	252,986	96,030	1,920	10,636	10,303	333	.....	.....	.....	144,378	22	14
13	11	3	4	4	.....	.....	200	84	11	36	36	.....	.....	.....	.....	68	1	15
205	168	58	34	76	.....	.....	7,288	5,158	54	586	586	.....	.....	.....	.....	1,485	5	16
610	374	86	115	173	173	64	1,364	420	206	310	252	60	56	24	32	332	53	17
57,254	37,705	12,696	3,878	21,131	13,331	6,218	2,287,457	761,549	42,495	255,260	229,179	26,081	1,093	1,093	0	1,216,206	10,854	18
124,694	59,201	14,355	10,321	34,525	46,814	18,679	557,812	144,180	25,797	107,355	79,396	27,959	13,452	8,618	4,834	253,393	13,635	19
0.46	0.64	0.88	0.38	0.61	0.28	0.33	4.10	5.28	1.65	2.38	2.89	0.93	0.08	0.13	0.00	4.80	0.80	20
15	8	3	2	3	5	2	173	31	14	39	32	7	.....	.....	.....	86	3	21
621	390	115	0	275	203	28	36,783	3,671	1,950	11,666	1,296	10,370	.....	.....	.....	18,098	1,398	22
2,253	1,350	355	65	930	411	492	13,525	882	1,535	5,809	1,576	4,233	.....	.....	.....	4,924	375	23
0.28	0.29	0.32	0.00	0.30	0.49	0.06	2.72	4.16	1.27	2.01	0.82	2.45	.....	.....	.....	3.68	3.73	24
5	5	5	.....	.....	.....	.....	65	17	16	17	15	2	.....	.....	.....	20	1	25
5,737	5,737	5,737	.....	.....	.....	.....	754,126	226,112	10,218	49,148	46,973	2,175	.....	.....	.....	467,610	1,038	26
4,379	4,379	4,379	.....	.....	.....	.....	353,523	87,474	9,704	58,623	51,734	6,889	.....	.....	.....	197,016	706	27
1.31	1.31	1.31	.....	.....	.....	.....	2.13	2.58	1.05	0.84	0.91	0.32	.....	.....	.....	2.37	1.47	28
2	1	.....	.....	1	.....	1	38	8	4	6	6	.....	.....	.....	.....	22	1	29
407	357	.....	.....	357	.....	50	83,990	56,992	951	3,898	3,898	.....	.....	.....	.....	21,899	250	30
2,890	1,690	.....	.....	1,690	.....	1,200	185,861	34,125	4,395	36,310	36,310	.....	.....	.....	.....	110,406	625	31
498	320	81	94	145	129	49	1,240	407	131	273	223	51	55	23	32	330	49	32
73,190	30,294	6,998	5,731	17,565	31,414	11,482	86,495	25,549	4,709	20,801	11,141	9,660	9,742	4,908	4,834	18,182	9,512	33
460	297	71	86	140	124	39	967	316	107	182	136	47	54	23	31	267	45	34
67,071	27,722	5,442	5,365	16,915	30,582	8,767	77,439	21,814	3,976	17,535	8,259	9,276	9,567	4,908	4,659	15,629	8,918	35
11	10	4	5	1	1	.....	38	13	1	15	13	2	1	1	.....	8	.....	36
13	12	5	6	1	1	.....	53	20	1	21	19	2	1	1	.....	10	.....	37
429	419	101	278	40	10	.....	1,400	234	29	597	405	192	60	60	.....	480	.....	38
464	301	73	86	142	124	39	982	321	107	189	141	49	54	23	31	270	45	39
67,131	27,782	5,442	5,365	16,975	30,582	8,767	77,712	21,955	3,976	17,657	8,259	9,398	9,567	4,908	4,659	15,639	8,918	40
26	16	5	8	3	5	5	39	15	4	4	4	.....	1	1	.....	13	2	41
4,729	2,331	1,375	366	590	832	1,566	3,540	1,931	255	160	160	.....	175	175	.....	524	495	42
8	3	3	.....	.....	.....	.....	219	71	19	80	78	2	.....	.....	.....	47	2	43
1,330	181	181	.....	.....	.....	1,149	7,243	1,663	478	2,984	2,722	262	.....	.....	.....	2,019	99	44
491	314	77	94	143	128	49	1,087	377	125	234	189	46	55	23	32	254	47	45
72,765	29,969	6,703	5,731	17,535	31,314	11,482	82,048	24,900	4,505	18,333	10,371	7,962	9,742	4,908	4,834	15,426	9,142	46
.....	.....	.....	.....	.....	.....	.....	18	2	2	7	6	1	.....	.....	.....	6	1	47
.....	.....	.....	.....	.....	.....	.....	829	18	30	484	199	285	.....	.....	.....	272	25	48
.....	.....	.....	.....	.....	.....	.....	875	4	23	654	139	515	.....	.....	.....	149	45	49
4	3	2	.....	1	1	.....	127	26	4	27	23	4	.....	.....	.....	69	1	50
425	325	295	.....	30	100	.....	4,743	627	151	1,330	432	898	.....	.....	.....	2,335	300	51
3	3	2	.....	1	.....	.....	8	2	.....	5	5	.....	.....	.....	.....	1	.....	52
56	49	23	16	10	6	1	270	102	31	46	44	2	.....	.....	.....	89	2	53
79	68	26	24	18	10	1	320	104	42	75	65	10	5	4	1	86	8	54
90	69	8	29	32	17	4	240	72	27	62	55	7	11	5	6	58	10	55
70	48	5	11	32	16	6	179	50	23	40	30	10	15	6	9	44	7	56
98	49	12	7	30	33	16	117	40	6	22	17	5	9	2	7	30	10	57
72	24	3	5	16	24	14	86	31	2	5	3	12	12	4	8	19	9	58
22	7	1	2	4	9	6	12	5	.....	4	2	2	1	.....	.....	3	.....	59
8	3	1	.....	2	4	1	8	1	.....	4	2	3	2	.....	.....	.....	.....	60

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 3 of 4).--IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data

Item (For definitions and explanations, see text)	Snake River, King Hill to American Falls (I-G)							
	Total	Snake River direct			Big Wood River			
		Total	King Hill to Milner	Milner to American Falls	Total	Big Wood River direct	Camas Creek	
								(1a)	(1b)	(2a)	(2b)
ALL ENTERPRISES								
Cost of water to farms, 1949: ¹								
Total cost of water to farms:								
1	Enterprises reporting.....enterprises..	766	441	322	121	164	141	23
2	Cost.....dollars..	2,129,270	1,589,021	1,000,266	588,755	463,178	460,224	2,954
3	Area irrigated direct.....acres..	688,919	508,029	376,602	131,427	128,310	121,161	7,149
4	Cost per acre irrigated direct.....dollars..	3.09	3.13	2.66	4.48	3.61	3.80	0.41
5	Total cost per irrigated acre.....dollars..	3.14	3.16	2.68	4.51	3.75	3.95	0.41
6	Total cost per acre-foot of water.....dollars..	0.67	0.64	0.53	1.05	0.78	0.81	(2)
Enterprises by cost per acre:								
7	Less than \$1.00.....enterprises reporting..	398	190	118	72	114	93	21
8	Cost.....acres irrigated..	76,712	25,083	14,651	10,432	23,215	17,649	5,566
9	\$1.00-\$1.99.....enterprises reporting..	54	30	27	3	11	10	1
10	Cost.....acres irrigated..	37,882	3,851	3,129	722	20,543	18,968	1,575
11	\$2.00-\$4.99.....enterprises reporting..	135	88	70	20	20	20	.....
12	Cost.....acres irrigated..	439,831	409,709	337,469	72,240	21,884	21,884	.....
13	\$5.00-\$9.99.....enterprises reporting..	118	89	70	19	14	13	1
14	Cost.....acres irrigated..	122,748	59,402	11,862	47,540	62,321	62,313	8
15	\$10.00 and over.....enterprises reporting..	61	44	37	7	5	5	.....
16	Cost.....acres irrigated..	11,746	9,984	9,491	493	347	347	.....
Cost of water for primary irrigation:								
17	Enterprises reporting.....enterprises..	702	411	303	110	145	122	23
18	Cost.....dollars..	2,085,786	1,565,358	982,147	583,211	449,393	446,439	2,954
19	Area supplied primary irrigation.....acres..	678,398	503,358	372,759	130,599	123,602	116,453	7,149
20	Cost per acre supplied.....dollars..	3.07	3.11	2.63	4.47	3.64	3.83	0.41
Cost of water for supplemental irrigation:								
21	Enterprises reporting.....enterprises..	93	47	34	15	28	28	.....
22	Cost.....dollars..	43,484	23,663	18,119	5,544	13,785	13,785	.....
23	Area supplied supplemental irrigation.....acres..	10,521	4,671	3,843	828	4,708	4,708	.....
24	Cost per acre supplied.....dollars..	4.13	5.07	4.71	6.70	2.93	2.93	.....
Cost to farms for purposes other than operation and maintenance: ⁴								
25	Enterprises reporting.....enterprises..	11	4	2	2	6	6	.....
26	Cost.....dollars..	348,612	130,920	22,479	108,441	216,819	216,819	.....
27	Area irrigated direct.....acres..	204,376	116,937	12,322	104,615	86,248	86,248	.....
28	Cost per acre irrigated.....dollars..	1.71	1.12	1.82	1.04	2.51	2.51	.....
Arrearage in payments by farms, Jan. 1, 1950: ⁴								
29	Enterprises reporting.....enterprises..	8	5	3	2	2	2	.....
30	Amount.....dollars..	144,138	39,053	22,995	16,058	104,359	104,359	.....
31	Area irrigated direct.....acres..	285,919	255,485	193,111	62,374	21,566	21,566	.....
SINGLE-FARM ENTERPRISES, 1950								
32	Single-farm enterprises.....enterprises..	677	390	297	93	134	113	21
33	Area irrigated.....acres..	74,802	37,612	28,285	9,327	17,814	14,240	3,574
34	Complete-system enterprises ⁵.....enterprises..	496	259	191	68	119	99	20
35	Area irrigated.....acres..	59,433	25,916	18,933	6,983	17,159	13,665	3,494
Other farms irrigated:								
36	Enterprises reporting.....number..	13	13	12	1	.....	.....	.....
37	Number of other farms.....farms..	18	18	16	2	.....	.....	.....
38	Area irrigated in other farms.....acres..	793	793	718	75	.....	.....	.....
Enterprises by origin of water supply: ⁵								
39	No water from other enterprises.....enterprises reporting..	504	262	194	68	122	102	20
40	Cost.....acres irrigated..	59,494	25,917	18,934	6,983	17,219	13,725	3,494
41	Part of water from other enterprises.....enterprises reporting..	53	21	15	2	2	2	.....
42	Cost.....acres irrigated..	6,848	4,172	2,884	1,288	163	163	.....
43	All of water from other enterprises.....enterprises reporting..	120	107	88	19	10	9	1
44	Cost.....acres irrigated..	8,460	7,523	6,467	1,056	432	352	80
Enterprises by primary and supplemental irrigation:								
45	All primary.....enterprises reporting..	602	355	273	82	112	91	21
46	Cost.....acres irrigated..	70,475	35,737	26,992	8,745	16,332	12,758	3,574
47	Part primary, part supplemental.....enterprises reporting..	5	3	.....	.....	1	1	.....
48	Primary irrigation.....acres irrigated..	502	91	91	.....	332	332	.....
49	Supplemental irrigation.....acres irrigated..	240	114	114	.....	46	46	.....
50	All supplemental.....enterprises reporting..	64	30	19	11	19	19	.....
51	Cost.....acres irrigated..	3,585	1,670	1,088	582	1,104	1,104	.....
Enterprises by number of acres irrigated: ⁵								
52	None.....enterprises reporting..	6	2	2	.....	2	2	.....
53	1-9 acres.....enterprises reporting..	66	47	34	13	12	11	1
54	10-29 acres.....enterprises reporting..	117	75	59	16	20	19	1
55	30-59 acres.....enterprises reporting..	133	76	63	13	23	21	2
56	60-99 acres.....enterprises reporting..	118	61	46	15	31	25	6
57	100-199 acres.....enterprises reporting..	131	75	48	27	27	21	6
58	200-499 acres.....enterprises reporting..	88	47	40	7	13	10	3
59	500-999 acres.....enterprises reporting..	12	6	5	1	2	.....	2
60	1,000 acres or more.....enterprises reporting..	6	1	.....	1	4	4	.....

See footnotes at end of Drainage Basin Table 1, Part 3.

CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Snake River, King Hill to American Falls (I-G)—Continued				Snake River above American Falls (I-H)													
Upper Salmon Falls Creek	Goose Creek	Raft River	Total	Snake River direct			Portneuf River	Henry's Fork				Independent basins					
				Total	American Falls to Heise	Above Heise		Total	Henry's Fork direct	Upper Teton River	Salt River	Total	Big Lost River	Little Lost River	Medicine Lodge and Birch Creeks	Mud Lake and Camas Creek	
(3)	(4)	(5)		(1a)	(1b)	(2)	(3a)	(3b)	(4)	(6a)	(6b)	(6c)	(6d)				
11	44	109	1,066	469	435	34	177	191	86	106	14	216	84	28	29	75	1
14,019	33,469	29,523	1,229,873	768,695	767,240	1,455	55,660	235,572	212,400	23,172	978	168,968	62,793	13,452	2,000	90,723	2
9,184	15,304	28,092	685,798	408,061	400,334	7,727	34,228	148,346	107,810	40,536	3,404	91,759	37,786	6,545	6,545	35,339	3
1.53	2.19	1.05	1.79	1.88	1.92	0.19	1.63	1.59	1.97	0.57	0.29	1.84	1.66	1.11	0.31	2.57	4
1.53	2.22	1.09	1.88	1.97	2.00	0.19	1.74	1.68	2.08	0.61	0.29	1.91	1.70	1.25	0.31	2.67	5
0.61	(3)	0.61	0.30	0.29	0.30	0.03	0.39	0.24	0.26	0.16	(3)	0.56	0.45	0.45	(3)	0.86	6
7	30	57	582	165	134	31	130	130	34	96	13	144	69	21	28	26	7
2,553	3,392	22,469	217,358	107,117	99,544	7,573	18,479	56,535	20,447	36,088	3,384	31,843	12,086	7,744	6,295	5,773	8
1	3	9	143	85	84	1	13	22	18	4	.....	23	8	2	1	12	9
400	10,724	2,364	203,462	159,754	159,694	60	5,249	31,551	30,083	1,468	.....	6,908	1,236	3,523	250	1,899	10
3	4	23	185	104	102	2	13	30	25	6	1	38	5	4	.....	29	11
6,231	159	1,848	247,262	129,285	129,191	94	9,933	57,580	54,600	2,980	20	50,444	24,408	689	.....	25,347	12
.....	4	11	96	75	75	.....	11	6	6	.....	.....	4	1	.....	.....	3	13
.....	280	745	14,426	9,835	9,835	.....	389	1,890	1,890	.....	.....	2,312	53	.....	.....	2,259	14
.....	3	9	60	40	40	.....	10	3	3	.....	.....	7	1	.....	.....	5	15
.....	749	666	3,290	2,070	2,070	.....	178	790	790	.....	.....	252	3	133	.....	116	16
11	42	96	1,043	464	430	34	169	187	84	104	14	210	80	26	29	75	17
14,019	31,599	25,417	1,180,269	741,878	740,447	1,431	52,707	222,203	201,734	20,469	978	162,503	61,069	12,298	2,000	87,136	18
9,184	15,080	27,174	654,531	390,456	382,929	7,527	31,958	140,448	102,168	38,280	3,404	88,265	36,927	10,779	6,545	34,014	19
1.53	2.10	0.94	1.80	1.90	1.93	0.19	1.65	1.58	1.97	0.53	0.29	1.84	1.65	1.14	0.31	2.56	20
.....	3	16	94	38	37	1	17	26	17	9	.....	13	5	5	.....	3	21
.....	1,870	4,166	49,604	26,817	26,793	24	2,953	13,369	10,666	2,703	.....	6,465	1,724	1,154	.....	3,587	22
.....	224	918	31,267	17,605	17,405	200	2,270	7,898	5,642	2,256	.....	3,494	859	1,310	.....	1,325	23
.....	8.35	4.54	1.59	1.52	1.54	0.12	1.30	1.69	1.89	1.20	.....	1.85	2.01	0.88	.....	2.71	24
.....	.....	1	77	26	26	.....	5	45	38	7	.....	2	1	.....	.....	.....	25
.....	.....	873	190,786	95,544	95,544	.....	1,781	78,692	74,480	4,212	.....	14,769	13,769	1,000	.....	.....	26
.....	.....	1,191	296,429	155,217	155,217	.....	3,637	110,099	93,205	16,894	.....	27,476	24,025	3,451	.....	.....	27
.....	.....	0.73	0.64	0.62	0.62	.....	0.49	0.71	0.80	0.25	.....	0.54	0.57	0.29	.....	.....	28
.....	.....	2	59	23	22	1	7	27	20	7	.....	3	2	1	.....	.....	29
.....	.....	726	66,595	33,765	33,615	150	5,660	18,964	17,773	1,191	.....	8,206	8,106	100	.....	.....	30
.....	.....	8,868	272,351	165,201	163,864	1,337	10,936	71,138	53,621	17,517	.....	25,076	24,855	221	.....	.....	31
8	43	102	716	300	272	28	113	94	38	56	12	197	78	20	29	70	32
2,767	4,633	11,976	89,308	30,547	26,987	3,560	5,547	15,140	9,056	6,084	3,055	35,019	12,421	6,484	6,545	9,569	33
8	42	68	593	206	179	27	104	86	31	55	12	185	74	20	29	62	34
2,767	4,593	8,998	79,004	22,526	19,018	3,508	4,600	14,630	8,596	6,034	3,055	34,193	11,890	6,484	6,545	9,274	35
.....	.....	.....	32	12	12	.....	3	10	.....	10	1	6	3	2	.....	1	36
.....	.....	.....	34	13	13	.....	3	11	.....	10	1	6	3	2	.....	1	37
.....	.....	.....	1,982	890	890	.....	43	575	.....	575	45	429	335	80	.....	14	38
8	42	70	599	206	179	27	104	87	32	55	12	190	75	20	29	66	39
2,767	4,593	8,998	79,148	22,526	19,018	3,508	4,600	14,630	8,596	6,034	3,055	34,337	12,034	6,484	6,545	9,274	40
.....	1	29	8	7	7	1	6	1	1	.....	.....	4	.....	.....	.....	4	41
.....	40	2,473	2,614	1,472	1,420	52	782	65	65	.....	.....	295	.....	.....	.....	295	42
.....	.....	3	98	86	86	.....	3	6	5	1	.....	3	3	.....	.....	.....	43
.....	.....	505	7,546	6,549	6,549	.....	165	445	395	50	.....	387	387	.....	.....	.....	44
8	40	87	689	295	267	28	108	89	35	54	12	185	74	17	29	65	45
2,767	4,330	11,309	86,025	30,130	26,570	3,560	4,624	14,746	8,875	5,871	3,055	33,470	12,062	5,483	6,545	9,380	46
.....	1	.....	285	.....	.....	.....	3	1	.....	1	.....	2	.....	1	.....	1	47
.....	79	.....	6	.....	.....	.....	147	17	.....	17	.....	94	.....	30	.....	64	48
.....	80	.....	1,327	.....	.....	.....	436	36	.....	36	.....	855	.....	730	.....	125	49
.....	2	.....	16	.....	.....	.....	2	3	.....	2	.....	6	.....	4	.....	.....	50
.....	144	667	1,698	417	417	.....	340	341	181	160	.....	600	359	241	.....	.....	51
.....	.....	2	5	.....	.....	.....	.....	1	1	.....	.....	4	.....	.....	.....	.....	4
.....	7	.....	62	18	18	.....	30	6	4	2	.....	8	.....	.....	.....	4	53
.....	11	.....	118	58	54	4	31	16	8	8	.....	9	.....	.....	.....	.....	54
.....	.....	.....	152	78	71	7	21	18	3	15	2	33	17	1	2	13	55
.....	9	.....	102	44	38	6	16	15	8	7	1	26	9	3	2	12	56
.....	10	.....	156	62	57	5	8	26	8	18	1	59	25	6	10	18	57
.....	2	.....	94	33	29	4	7	8	3	5	3	43	15	4	13	11	58
.....	1	.....	15	5	3	2	.....	1	.....	1	.....	9	4	4	1	.....	59
.....	.....	.....	12	2	2	.....	.....	3	3	.....	.....	6	1	2	1	2	60

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Great Basin, total	Northwest Great Salt Lake Basin (III-E-1)	Bear River (III-E)				Upper Malad River (2)
			Total	Bear River direct			
				Total	Below Alexander (1a)	Above Alexander (1b)	
ALL ENTERPRISES							
Cost of water to farms, 1949: ¹							
Total cost of water to farms:							
1 Enterprises reporting.....enterprises..	440	11	429	354	213	142	75
2 Cost.....dollars..	275,691	2,514	273,177	224,025	192,841	31,184	49,152
3 Area irrigated direct.....acres..	153,416	2,466	150,950	130,923	72,618	58,305	20,027
4 Cost per acre irrigated direct.....dollars..	1.80	1.02	1.81	1.71	2.66	0.53	2.45
5 Total cost per irrigated acre.....dollars..	2.04	1.21	2.05	1.93	3.04	0.59	2.91
6 Total cost per acre-foot of water ².....dollars..	0.62	0.32	0.62	0.57	0.92	0.16	1.21
Enterprises by cost per acre:							
7 Less than \$1.00.....enterprises reporting..	303	8	295	251	150	101	44
8 acres irrigated.....	77,074	1,361	75,713	68,856	22,242	46,614	6,857
9 \$1.00-\$1.99.....enterprises reporting..	62	1	61	54	35	19	7
10 acres irrigated.....	30,990	1,083	29,507	25,081	18,875	6,206	4,426
11 \$2.00-\$4.99.....enterprises reporting..	45	1	44	32	16	17	12
12 acres irrigated.....	30,721	15	30,706	23,374	18,094	5,280	7,332
13 \$5.00-\$9.99.....enterprises reporting..	20	1	19	10	7	3	9
14 acres irrigated.....	14,050	7	14,043	12,967	12,807	160	1,076
15 \$10.00 and over.....enterprises reporting..	10	.....	10	7	5	2	3
16 acres irrigated.....	981	.....	981	645	600	45	336
Cost of water for primary irrigation:							
17 Enterprises reporting.....enterprises..	428	11	417	346	208	139	71
18 Cost.....dollars..	239,993	2,186	237,807	196,678	167,971	28,707	41,129
19 Area supplied primary irrigation.....acres..	135,294	2,086	133,208	116,344	63,489	52,855	16,864
20 Cost per acre supplied.....dollars..	1.77	1.05	1.79	1.69	2.65	0.54	2.44
Cost of water for supplemental irrigation:							
21 Enterprises reporting.....enterprises..	72	1	71	49	30	19	22
22 Cost.....dollars..	35,698	328	35,370	27,347	24,870	2,477	8,023
23 Area supplied supplemental irrigation.....acres..	18,122	380	17,742	14,579	9,129	5,450	3,163
24 Cost per acre supplied.....dollars..	1.97	0.86	1.99	1.88	2.72	0.45	2.54
Cost to farms for purposes other than operation and maintenance: ⁴							
25 Enterprises reporting.....enterprises..	35	2	33	29	24	6	4
26 Cost.....dollars..	81,023	1,074	79,949	67,524	65,344	2,180	12,425
27 Area irrigated direct.....acres..	59,329	2,083	57,246	49,032	44,739	4,293	8,214
28 Cost per acre irrigated.....dollars..	1.37	0.52	1.40	1.38	1.46	0.51	1.51
Arrearage in payments by farms, Jan. 1, 1950: ⁴							
29 Enterprises reporting.....enterprises..	22	.....	22	20	14	6	2
30 Amount.....dollars..	11,679	.....	11,679	9,599	5,863	3,736	2,080
31 Area irrigated direct.....acres..	46,412	.....	46,412	40,053	33,655	6,398	6,359
SINGLE-FARM ENTERPRISES, 1950							
32 Single-farm enterprises.....enterprises..	249	8	241	199	119	80	42
33 Area irrigated.....acres..	16,339	376	15,963	12,668	4,803	7,865	3,295
34 Complete-system enterprises ⁵.....enterprises..	233	8	225	188	112	76	37
35 Area irrigated.....acres..	14,307	376	13,931	11,236	4,406	6,830	2,695
Other farms irrigated:							
36 Enterprises reporting.....number..	6	.....	6	4	3	1	2
37 Number of other farms.....farms..	6	.....	6	4	3	1	2
38 Area irrigated in other farms.....acres..	103	.....	103	37	17	20	66
Enterprises by origin of water supply: ⁵							
39 No water from other enterprises.....enterprises reporting..	233	8	225	188	112	76	37
40 acres irrigated.....	14,307	376	13,931	11,236	4,406	6,830	2,695
41 Part of water from other enterprises.....enterprises reporting..	11	.....	11	7	5	2	4
42 acres irrigated.....	1,758	.....	1,758	1,258	378	880	500
43 All of water from other enterprises.....enterprises reporting..	5	.....	5	4	2	2	1
44 acres irrigated.....	274	.....	274	174	19	155	100
Enterprises by primary and supplemental irrigation:							
45 All primary.....enterprises reporting..	240	8	232	194	114	80	38
46 acres irrigated.....	15,970	376	15,594	12,574	4,709	7,865	3,020
47 Part primary, part supplemental.....enterprises reporting..	3	.....	3	1	1	.....	2
48 Primary irrigation.....acres irrigated..	108	.....	108	1	1	.....	107
49 Supplemental irrigation.....acres irrigated..	102	.....	102	34	34	.....	68
50 All supplemental.....enterprises reporting..	6	.....	6	4	4	.....	2
51 acres irrigated.....	159	.....	159	59	59	.....	100
Enterprises by number of acres irrigated: ⁵							
52 None.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
53 1-9 acres.....enterprises reporting..	39	2	37	31	25	6	6
54 10-29 acres.....enterprises reporting..	77	1	76	63	41	22	13
55 30-59 acres.....enterprises reporting..	49	2	47	41	27	14	6
56 60-99 acres.....enterprises reporting..	36	2	34	30	15	15	4
57 100-199 acres.....enterprises reporting..	30	1	29	20	7	13	9
58 200-499 acres.....enterprises reporting..	15	.....	15	12	4	8	3
59 500-999 acres.....enterprises reporting..	2	.....	2	1	.....	1	1
60 1,000 acres or more.....enterprises reporting..	1	.....	1	1	.....	1	.....

¹Enterprises with reported cost of \$0 in 1949 are included.

²Average cost per irrigated acre divided by calculated average quantity of water per acre. (Drainage Basin Table 1, Part 4, line 66.)

³Average not given because number of enterprises reporting quantity of water was not sufficient to provide satisfactory data.

⁴Not reported by single-farm enterprises.

⁵For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State.

Drainage Basin Table 1 (Part 4 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State ¹	North Pacific Coast, total ¹	Columbia River excluding Snake River (I-C)			Snake River, total ¹	Snake River below Weiser (I-E)	
			Total	Spokane River	Clark Fork		Total	Snake River direct
MULTIPLE-FARM ENTERPRISES, 1950								
1 Multiple-farm enterprises, total number ².....enterprises..	1,064	875	9	6	3	866	136	12
2 Area irrigated direct.....acres..	1,896,032	1,758,955	2,967	2,800	167	1,755,988	62,539	8,782
3 Multiple-purpose enterprises.....enterprises..	18	17	2	1	1	15	2	1
4 Area irrigated direct.....acres..	147,518	147,273	264	238	26	147,009	1,275	1,275
5 Complete-system enterprises.....enterprises..	620	473	6	3	3	467	95	2
6 Area irrigated direct.....acres..	516,831	419,560	1,638	1,471	167	417,922	42,800	1,320
7 Enterprises by origin of water supply: ²								
8 No water from other enterprises.....enterprises reporting..	698	541	9	6	3	532	122	4
9 Area irrigated.....acres..	552,222	447,170	2,967	2,800	167	444,203	48,211	1,682
10 Part of water from other enterprises.....enterprises reporting..	130	124				124	8	2
11 Area irrigated.....acres..	971,519	967,749				967,749	10,729	3,501
12 All water from other enterprises.....enterprises reporting..	236	210				210	6	6
13 Area irrigated.....acres..	372,291	344,036				344,036	3,599	3,599
14 Enterprises by delivery of irrigation water: ²								
15 No water delivered.....enterprises reporting..								
16 Water delivered direct to farms only.....enterprises reporting..	834	670	5	2	3	665	99	4
17 Area irrigated.....acres..	671,684	574,482	1,005	838	167	573,477	44,739	1,375
18 Water delivered to farms and to other enterprises.....enterprises reporting..	203	179	4	4		175	34	8
19 Area irrigated.....acres..	1,224,348	1,184,473	1,962	1,962		1,182,511	17,800	7,407
20 Water delivered to other enterprises only.....enterprises reporting..	27	26				26	3	
21 Enterprises by primary and supplemental irrigation: ²								
22 All primary.....enterprises reporting..	839	713	9	6	3	704	121	12
23 Area irrigated.....acres..	948,189	886,588	2,967	2,800	167	883,621	57,585	8,782
24 Part primary, part supplemental.....enterprises reporting..	184	127				127	10	
25 Primary irrigation.....acres..	885,309	827,694				827,694	3,126	
26 Supplemental irrigation.....acres..	60,576	43,966				43,966	1,793	
27 All supplemental.....enterprises reporting..	14	8				8	1	
28 Area irrigated.....acres..	1,958	707				707	35	
29 Enterprises by number of farms irrigated direct: ²								
30 None.....enterprises reporting..	27	26				26	3	
31 1-3.....enterprises reporting..	365	305	2		2	303	93	3
32 4-9.....enterprises reporting..	287	229	1	1		228	26	3
33 10-29.....enterprises reporting..	236	189	1		1	188	10	3
34 30-99.....enterprises reporting..	102	83	5	5		78	1	1
35 100-299.....enterprises reporting..	31	27				27	2	2
36 300-999.....enterprises reporting..	10	10				10	1	
37 1,000 or more.....enterprises reporting..	6	6				6		
38 Enterprises by acres irrigated direct: ²								
39 None.....enterprises reporting..	27	26				26	3	
40 1-99 acres.....enterprises reporting..	170	141	2		2	139	28	5
41 100-999 acres.....enterprises reporting..	610	494	7	6	1	487	89	5
42 1,000-2,999 acres.....enterprises reporting..	159	125				125	14	1
43 3,000-9,999 acres.....enterprises reporting..	70	63				63	1	1
44 10,000-29,999 acres.....enterprises reporting..	17	15				15	1	
45 30,000 acres or more.....enterprises reporting..	11	11				11		
46 Quantities of water reported, 1949: ³								
47 Total obtained from all sources ⁴.....enterprises reporting..	957	784	9	6	3	775	126	12
48 percent of all enterprises reporting.....	21	19	10	11	15	19	17	10
49 acre-feet.....	22,226,161	21,585,323	88,525	87,990	535	21,496,798	786,073	102,483
50 Surface sources.....enterprises reporting..	709	570	9	6	3	561	120	6
51 acre-feet.....	14,411,794	13,916,624	88,525	87,990	535	13,828,099	734,405	57,933
52 Pumped wells.....enterprises reporting..	38	23				23		
53 acre-feet.....	126,704	119,152				119,152		
54 Other enterprises.....enterprises reporting..	348	322				322	14	8
55 acre-feet.....	7,687,663	7,549,547				7,549,547	51,668	44,550
56 Conveyance loss ⁴.....enterprises reporting..	893	733	9	6	3	724	126	12
57 acre-feet.....	3,687,358	3,618,214	19,173	19,110	63	3,599,041	185,034	19,188
58 Delivered: ⁴								
59 Direct to farms.....enterprises reporting..	933	760	9	6	3	751	123	12
60 acre-feet.....	10,046,095	9,648,457	11,416	10,944	472	9,637,041	484,617	51,955
61 To other enterprises.....enterprises reporting..	209	188	4	4		184	34	8
62 acre-feet.....	8,209,304	8,040,997	57,213	57,213		7,983,784	97,118	23,590
63 For use other than irrigation.....enterprises reporting..	76	67	1	1		66	7	3
64 acre-feet.....	283,404	277,655	723	723		276,932	19,304	7,750
65 Delivered direct to farms for primary irrigation: ³								
66 Enterprises reporting.....enterprises..	918	751	9	6	3	742	121	12
67 Quantity delivered.....acre-feet..	9,144,629	8,828,880	11,416	10,944	472	8,817,464	333,334	44,861
68 Area supplied primary irrigation.....acres..	1,781,557	1,672,584	2,967	2,800	167	1,669,617	58,130	8,778
69 Quantity supplied per acre.....acre-feet..	5.1	5.3	3.8	3.9	2.8	5.3	5.7	5.1
70 Delivered direct to farms for supplemental irrigation: ³								
71 Enterprises reporting.....enterprises..	183	125				125	10	
72 Quantity delivered.....acre-feet..	321,998	273,189				273,189	7,668	
73 Area supplied supplemental irrigation.....acres..	60,459	43,953				43,953	1,588	
74 Quantity supplied per acre.....acre-feet..	5.3	6.2				6.2	4.8	
75 Total quantity per irrigated acre ⁵.....acre-feet..	5.3	5.5	3.8	3.9	2.8	5.5	5.8	5.1
76 Cost of water to farms for enterprises reporting quantity delivered, 1949: ³								
77 Cost for primary irrigation.....dollars..	5,366,627	5,147,480	44,003	43,923	80	5,103,477	74,032	46,888
78 Average cost per acre-foot.....dollars..	0.59	0.58	3.85	4.01	0.17	0.58	0.22	1.05
79 Cost for supplemental irrigation.....dollars..	126,953	91,444				91,444	411	
80 Average cost per acre-foot.....dollars..	0.39	0.33				0.33	0.05	
81 Measurement of water to farms, 1949: ³								
82 No water measured.....enterprises reporting..	643	491	3		3	488	90	10
83 acre irrigated.....	311,220	224,223	167		167	224,056	35,579	6,543
84 Part of water measured.....enterprises reporting..	143	141				141	16	2
85 acre irrigated.....	584,914	573,775				573,775	8,197	2,239
86 All water measured.....enterprises reporting..	226	204	5	5		199	29	
87 acre irrigated.....	939,708	908,535	2,618	2,618		905,917	18,633	

See footnotes at end of Drainage Basin Table 1, Part 4.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only

Item (For definitions and explanations, see text)		Snake River below Weiser (I-E)—Continued						
		Salmon River						
		Total	Salmon River direct			Lemhi River	Pahsimeroi River	
			Total	Below French Creek	French Creek to Salmon			Above Salmon
			(3a)	(3b)	(3c)	(3d)	(3e)	
MULTIPLE-FARM ENTERPRISES, 1950								
1	Multiple-farm enterprises, total number ².....enterprises..	124	65	11	23	31	45	15
2	Area irrigated direct.....acres..	53,757	30,297	7,712	4,655	17,890	15,811	7,689
3	Multiple-purpose enterprises ².....enterprises..	1	1		1			
4	Area irrigated direct.....acres..							
5	Complete-system enterprises.....enterprises..	93	42	3	13	26	43	9
6	Area irrigated direct.....acres..	41,480	20,866	439	3,732	16,695	15,299	5,315
7	Enterprises by origin of water supply: ²							
8	No water from other enterprises.....enterprises reporting..	118	59	5	23	31	45	15
9	Part of water from other enterprises.....acres irrigated..	46,529	23,029	484	4,655	17,890	15,811	7,689
10	All water from other enterprises.....acres irrigated..	7,228	7,228	7,228				
11	Enterprises by delivery of irrigation water: ²							
12	No water delivered.....enterprises reporting..							
13	Water delivered direct to farms only.....enterprises reporting..	95	44	7	12	25	43	9
14	Water delivered to farms and to other enterprises.....acres irrigated..	43,364	22,790	4,463	2,013	16,274	15,299	5,315
15	Water delivered to other enterprises only.....acres irrigated..	26	18	2	11	5	2	6
16	Enterprises by primary and supplemental irrigation: ³	10,393	7,507	3,249	2,642	1,616	512	2,374
17	All primary.....enterprises reporting..	3	3	2		1		
18	Part primary, part supplemental.....acres irrigated..	109	56	8	20	28	41	13
19	Primary irrigation.....acres irrigated..	48,803	28,120	7,180	4,540	16,400	14,519	6,164
20	Supplemental irrigation.....acres irrigated..	10	4	1	1	2	4	2
21	All supplemental.....enterprises reporting..	3,126	1,112	472	50	590	981	1,033
22	Enterprises by number of farms irrigated direct: ²	1,793	990	60	30	900	311	492
23	None.....enterprises reporting..	1	1					
24	1-3.....enterprises reporting..	35	35		35			
25	4-9.....enterprises reporting..	3	3	2		1		
26	10-29.....enterprises reporting..	90	42	5	20	17	38	10
27	30-99.....enterprises reporting..	23	12	2	1	9	6	5
28	100-299.....enterprises reporting..	7	7	2	1	4	1	
29	300-999.....enterprises reporting..							
30	1,000 or more.....enterprises reporting..	1	1		1			
31	Enterprises by acres irrigated direct: ²							
32	None.....enterprises reporting..	3	3	2		1		
33	1-99 acres.....enterprises reporting..	23	14	2	9	3	9	
34	100-999 acres.....enterprises reporting..	84	37	4	12	21	33	14
35	1,000-2,999 acres.....enterprises reporting..	13	10	3	1	6	3	1
36	3,000-9,999 acres.....enterprises reporting..							
37	10,000-29,999 acres.....enterprises reporting..	1	1		1			
38	30,000 or more.....enterprises reporting..							
39	Quantities of water reported, 1949:							
40	Total obtained from all sources ⁴.....enterprises reporting..	114	63	11	23	29	38	14
41	Surface sources.....acres irrigated..	18	16	12	20	16	22	22
42	Pumped wells.....acres irrigated..	683,590	526,012	32,747	321,267	171,998	108,744	66,654
43	Other enterprises.....acres irrigated..	114	63	11	23	29	38	14
44	Conveyance loss ⁴.....acres irrigated..	676,472	518,894	25,629	321,267	171,998	108,744	66,654
45	Delivered: ⁴	6	6	6				
46	Direct to farms.....acres irrigated..	7,118	7,118	7,118				
47	To other enterprises.....acres irrigated..	114	63	11	23	29	38	14
48	For use other than irrigation.....acres irrigated..	165,846	140,236	2,527	104,343	33,366	17,205	11,078
49	Delivered direct to farms for primary irrigation: ³							
50	Enterprises reporting.....enterprises..	111	60	9	23	28	38	14
51	Quantity delivered.....acre-feet..	432,662	310,248	22,518	160,735	126,995	89,799	47,762
52	Area supplied primary irrigation.....acres..	26	19	4	11	4	1	6
53	Quantity supplied per acre.....acre-feet..	73,528	65,498	7,222	46,639	11,637	216	7,814
54	Delivered direct to farms for supplemental irrigation: ³	4	2	1	1		2	
55	Enterprises reporting.....enterprises..	11,554	10,030	480	9,550		1,524	
56	Quantity delivered.....acre-feet..	10	5	1	2	2	4	1
57	Area supplied supplemental irrigation.....acres..	7,668	5,468	197	399	4,872	1,161	1,039
58	Quantity supplied per acre.....acre-feet..	1,588	1,025	60	65	900	311	252
59	Total quantity per irrigated acre ⁵.....acre-feet..	4.8	5.3	3.3	6.1	5.4	3.7	4.1
60	Cost of water to farms for enterprises reporting quantity delivered, 1949: ³	5.9	5.6	3.0	5.3	6.9	6.3	6.7
61	Cost for primary irrigation.....dollars..	27,144	22,798	9,330	1,370	12,098	2,725	1,621
62	Average cost per acre-foot.....dollars..	0.09	0.15	0.42	0.06	0.11	0.03	0.03
63	Cost for supplemental irrigation.....dollars..	411	335	60	0	275	48	28
64	Average cost per acre-foot.....dollars..	0.05	0.06	0.30	0.00	0.06	0.04	0.03
65	Measurement of water to farms, 1949: ³							
66	No water measured.....enterprises reporting..	80	45	8	15	22	31	5
67	Part of water measured.....acres irrigated..	29,036	16,033	2,106	3,340	10,587	10,316	2,687
68	All water measured.....acres irrigated..	14	10	2	7	1	1	3
69	Enterprises reporting.....enterprises..	5,938	4,417	2,757	1,185	475	400	1,141
70	Acres irrigated.....acres..	29	9	1		8	13	7
71	Enterprises reporting.....enterprises..	18,633	9,677	2,849		6,828	5,095	3,861

See footnotes at end of Drainage Basin Table 1, Part 4.

CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Snake River, Weiser to King Hill (I-F)								Snake River, King Hill to American Falls (I-G)					
Total ¹	Snake River direct	Weiser River	Payette River			Boise River	Bruneau River	Total ¹	Snake River direct			Big Wood River	
			Total	Payette River direct	North Fork				Total	King Hill to Milner	Milner to American Falls	Total ¹	Big Wood River direct
	(1)	(2)	(3a)	(3b)	(6)	(7)		(1a)	(1b)		(2a)		
269	42	83	74	59	16	74	5	101	57	30	30	34	32
482,842	119,513	22,623	92,363	69,831	22,532	240,135	4,498	614,117	470,417	348,317	122,100	110,496	106,921
10	2	1	3	2	2	5	1	2	2	1	2	.....	.....
96,834	11,038	.....	9,799	8,719	1,080	73,155	2,842	43,319	43,319	.....	43,319	.....	.....
135	13	54	37	27	10	26	5	74	42	19	23	25	24
96,094	22,641	9,296	36,440	14,398	22,042	19,509	4,498	80,591	40,141	32,196	7,945	20,376	18,376
150	17	57	44	29	16	29	5	84	46	22	25	28	26
132,251	42,160	8,417	45,834	23,302	22,532	27,632	4,498	96,300	42,216	33,874	8,342	21,951	18,376
42	8	17	10	10	.....	13	.....	7	5	2	3	2	2
303,871	70,763	11,556	33,939	33,939	.....	187,613	.....	363,161	294,197	189,444	104,753	68,964	68,964
77	17	9	20	20	.....	32	.....	10	6	6	2	4	4
46,720	6,590	2,650	12,590	12,590	.....	24,890	.....	154,656	134,004	124,999	9,005	19,581	19,581
.....
210	25	72	58	48	10	55	3	75	43	19	24	26	25
127,916	35,292	15,921	43,424	21,382	22,042	32,248	1,031	130,456	99,456	29,818	69,638	21,637	19,637
50	17	7	12	9	4	18	2	21	11	9	5	6	5
354,926	84,221	6,702	48,939	48,449	490	207,887	3,467	483,621	370,961	318,499	52,462	88,859	87,284
9	.....	4	4	2	2	1	.....	5	3	2	1	2	2
231	38	71	64	54	11	61	4	71	39	15	24	24	22
361,803	117,002	18,429	82,864	67,551	15,313	135,450	4,348	97,312	47,158	38,678	8,480	26,458	22,883
28	3	8	5	3	2	11	1	24	14	12	4	8	8
113,132	2,260	2,833	5,674	1,275	4,399	102,245	120	510,109	420,372	306,998	113,374	80,480	80,480
7,907	251	1,361	3,825	1,005	2,820	2,440	30	6,696	2,887	2,641	246	3,558	3,558
.....
9	.....	4	4	2	2	1	.....	5	3	2	1	2	2
74	12	34	20	17	3	6	2	39	22	8	14	14	14
68	3	27	19	14	5	18	1	25	15	8	8	8	8
75	12	15	21	17	4	27	2	18	8	5	3	5	3
23	5	2	4	3	1	13	.....	4	1	1	.....	2	2
12	5	1	3	3	.....	5	.....	5	4	4	1	1	1
4	2	.....	3	3	1	2	.....	2	1	.....	1	1	1
4	3	.....	3	3	.....	2	.....	3	3	2	2	1	1
9	.....	4	4	2	2	1	.....	5	3	2	1	2	2
47	8	30	4	3	1	5	.....	21	15	5	10	6	6
153	15	45	47	43	4	43	4	48	27	14	14	16	16
34	6	3	11	5	6	14	1	9	2	2	.....	4	3
17	7	1	5	3	2	7	.....	9	3	2	1	3	3
4	.....	.....	3	3	1	1	.....	4	3	3	1	1	1
4	3	.....	3	3	.....	3	.....	5	4	2	3	2	2
264	42	81	72	58	15	73	5	101	57	30	30	34	32
17	9	38	21	21	22	18	9	13	13	9	24	20	22
6,689,842	3,681,735	226,523	1,213,103	1,084,940	415,783	3,428,601	36,200	8,888,252	8,155,719	7,342,079	4,839,157	2,138,854	2,130,664
187	21	75	51	37	15	40	5	89	49	24	26	30	28
3,951,684	1,449,875	176,669	1,003,644	875,481	415,783	2,126,426	36,200	5,305,810	4,860,434	4,802,489	2,918,888	346,725	338,535
6	5	.....	.....	.....	.....	2	.....	6	4	2	3	1	1
33,635	7,635	.....	.....	.....	.....	26,761	.....	23,656	21,432	3,391	19,375	1,440	1,440
116	25	24	30	30	.....	44	.....	17	11	8	5	6	6
2,704,523	2,224,225	49,854	209,459	209,459	.....	1,275,414	.....	3,558,176	3,273,853	2,536,199	1,900,894	1,790,689	1,790,689
237	32	76	68	55	14	65	5	93	52	25	30	32	30
1,137,637	856,582	25,228	232,178	223,461	105,521	474,537	7,724	1,612,860	1,400,867	1,055,658	1,126,943	552,784	551,084
256	42	77	69	56	14	72	5	96	54	28	29	32	30
3,525,029	2,243,583	111,042	660,407	573,280	223,648	1,568,216	27,470	2,901,851	2,403,190	1,943,844	1,199,946	1,201,122	1,196,332
54	17	9	14	10	5	18	2	26	14	11	6	8	7
1,936,028	563,137	81,146	283,226	251,352	76,619	1,335,953	790	4,246,737	4,225,035	4,224,595	2,388,434	384,771	383,071
42	7	7	15	14	2	17	1	6	5	3	3	1	1
91,148	18,463	9,107	37,292	36,847	9,995	49,895	21.6	126,804	126,627	117,982	123,834	177	177
255	41	77	68	56	13	71	5	94	52	26	28	32	30
2,462,394	628,535	84,401	509,557	433,652	75,905	1,198,711	27,110	2,785,203	2,210,962	1,701,422	509,540	500,942	496,152
471,079	119,262	19,689	86,946	67,234	19,712	237,004	4,468	600,029	460,250	338,396	121,854	106,826	103,251
5.2	5.3	4.3	5.9	6.4	3.9	5.1	6.1	4.6	4.8	5.0	4.2	4.7	4.8
28	3	8	5	3	2	11	1	22	12	11	3	8	8
40,089	1,600	5,355	18,309	7,087	11,222	14,465	360	37,541	24,495	21,974	2,521	12,518	12,518
7,907	251	1,361	3,825	1,005	2,820	2,440	30	6,621	2,812	2,603	209	3,558	3,558
5.1	6.4	3.9	4.8	7.1	4.0	5.9	12.0	5.7	8.7	8.4	12.1	3.5	3.5
5.3	5.4	4.5	6.1	6.5	4.5	5.2	6.5	4.7	4.9	5.1	4.3	4.8	4.9
2,126,737	683,676	32,883	221,174	198,267	22,907	1,178,826	9,115	1,870,726	1,389,346	832,342	557,004	442,599	439,799
0.86	1.09	0.39	0.43	0.46	0.30	0.98	0.34	0.67	0.63	0.49	1.09	0.88	0.89
26,221	2,538	1,762	10,093	508	9,585	11,768	60	21,496	11,150	7,753	3,397	10,247	10,247
0.65	1.59	0.33	0.55	0.07	0.85	0.81	0.17	0.57	0.46	0.35	1.35	0.82	0.82
173	19	65	50	45	5	35	5	52	31	15	16	19	18
80,073	8,583	13,756	23,590	20,265	3,325	25,936	4,498	17,812	10,387	4,680	5,707	5,594	3,594
37	10	11	11	8	4	11	.....	5	1	1	1	4	4
132,448	46,854	4,415	52,051	44,853	7,198	29,128	.....	134,318	118,548	112,917	5,631	15,339	15,339
49	13	5	8	3	5	25	.....	37	22	13	11	9	8
265,436	64,076	4,369	14,913	3,804	11,109	182,078	.....	452,607	341,321	230,636	110,685	80,975	79,400

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only

Item (For definitions and explanations, see text)	Snake River, King Hill to American Falls (I-G)—Continued		Snake River above American Falls (I-H)				
	Upper Salmon Falls Creek (3)	Raft River (5)	Total ¹	Snake River direct			Portneuf River (2)
				Total	American Falls to Heise (1a)	Above Heise (1b)	
MULTIPLE-FARM ENTERPRISES, 1950							
1 Multiple-farm enterprises, total number ².....enterprises..	3	9	366	176	170	6	65
2 Area irrigated direct.....acres..	6,417	16,116	596,490	377,514	373,347	4,167	28,681
3 Multiple-purpose enterprises ².....enterprises..			3	2	2		
4 Area irrigated direct.....acres..			5,581	3,538	3,538		
5 Complete-system enterprises ².....enterprises..	3	4	164	31	27	4	50
6 Area irrigated direct.....acres..	6,417	2,986	198,437	63,302	61,072	2,230	21,271
Enterprises by origin of water supply: ²							
7 No water from other enterprises.....enterprises reporting..	3	7	179	40	35	5	57
8 acres irrigated..	6,417	15,045	167,441	51,514	48,684	2,830	25,342
9 Part of water from other enterprises.....enterprises reporting..			69	30	30		4
10 acres irrigated..			289,988	197,161	197,161		1,704
11 All water from other enterprises.....enterprises reporting..			118	106	105	1	4
12 acres irrigated..		1,071	139,061	128,839	127,502	1,337	1,635
Enterprises by delivery of irrigation water: ²							
13 No water delivered.....enterprises reporting..							
14 Water delivered direct to farms only.....enterprises reporting..	3	4	281	128	124	4	55
15 acres irrigated..	6,417	2,986	270,326	146,928	144,698	2,230	21,503
16 Water delivered to farms and to other enterprises.....enterprises reporting..			76	42	40	2	10
17 acres irrigated..		13,130	326,164	230,586	228,649	1,937	7,178
18 Water delivered to other enterprises only.....enterprises reporting..			9	6	6		
Enterprises by primary and supplemental irrigation: ³							
19 All primary.....enterprises reporting..	3	6	283	136	131	5	52
20 acres irrigated..	6,417	6,608	366,921	254,149	251,319	2,830	24,629
21 Part primary, part supplemental.....enterprises reporting..			65	33	32	1	6
22 Primary irrigation.....acres irrigated..			9,257	201,327	106,177	1,137	2,558
23 Supplemental irrigation.....acres irrigated..			251	27,570	17,188	200	892
24 All supplemental.....enterprises reporting..			7				6
25 acres irrigated..			672				602
Enterprises by number of farms irrigated direct: ²							
26 None.....enterprises reporting..			9	6	6		
27 1-99.....enterprises reporting..	1	2	97	22	19	3	29
28 4-9.....enterprises reporting..			110	56	54	2	22
29 10-29.....enterprises reporting..	1	4	86	54	53	1	11
30 30-99.....enterprises reporting..		1	50	25	25		3
31 100-299.....enterprises reporting..	1		10	8	8		
32 300-999.....enterprises reporting..			4	5	5		
33 1,000 or more.....enterprises reporting..							
Enterprises by acres irrigated direct: ²							
34 None.....enterprises reporting..			9	6	6		
35 1-99 acres.....enterprises reporting..			43	9	8	1	17
36 100-999 acres.....enterprises reporting..	1	4	199	93	90	3	38
37 1,000-2,999 acres.....enterprises reporting..		3	68	42	40	2	8
38 3,000-9,999 acres.....enterprises reporting..	1	2	38	20	20		1
39 10,000-29,999 acres.....enterprises reporting..	1		7	4	4		1
40 30,000 or more.....enterprises reporting..			2	2	2		
Quantities of water reported, 1949:							
41 Total obtained from all sources.....enterprises reporting..	3	9	290	168	162	6	37
42 percent of all enterprises	27	8	27	35	37	18	21
43 Surface sources.....enterprises reporting..	110,916	36,239	9,521,511	7,771,206	7,725,906	45,300	379,467
44 acre-feet..			170	65	60	5	34
45 Pumped wells.....enterprises reporting..	110,916	32,811	7,115,524	5,838,057	5,805,257	32,800	364,788
46 acre-feet..			12	3	3		
47 Other enterprises.....enterprises reporting..		784	63,195	2,894	2,894		
48 acre-feet..		2	131	131	131	1	6
49 Conveyance loss ⁴.....enterprises reporting..		2,644	2,342,792	1,930,255	1,917,755	12,500	14,679
50 acre-feet..		8	274	158	152	6	33
51 Delivered: ⁴	42,816	3,409	1,548,593	1,263,697	1,257,602	6,095	140,611
52 Direct to farms.....enterprises reporting..	3	9	282	157	155	6	37
53 acre-feet..	68,100	27,661	3,647,478	2,507,424	2,480,904	26,530	261,020
54 To other enterprises.....enterprises reporting..		5	75	42	40	2	9
55 acre-feet..		5,169	4,158,335	3,879,562	3,866,887	12,675	12,941
56 For use other than irrigation.....enterprises reporting..			14	6	6		5
57 acre-feet..			167,105	120,513	120,513		895
Delivered direct to farms for primary irrigation: ³							
58 Enterprises reporting.....enterprises..	3	9	275	161	155	6	32
59 Quantity delivered.....acre-feet..	15,774	27,133	3,236,533	2,176,617	2,151,279	25,338	84,871
60 Area supplied primary irrigation.....acres..	6,417	15,865	540,379	347,610	343,643	3,967	20,914
61 Quantity supplied per acre.....acre-feet..	2.5	1.7	6.0	6.3	6.3	6.4	4.1
Delivered direct to farms for supplemental irrigation: ³							
62 Enterprises reporting.....enterprises..		3	65	33	32	1	7
63 Quantity delivered.....acre-feet..		528	187,891	123,133	121,941	1,192	7,289
64 Area supplied supplemental irrigation.....acres..		251	27,837	17,188	16,988	200	1,234
65 Quantity supplied per acre.....acre-feet..		2.1	6.7	7.2	7.2	6.0	5.9
66 Total quantity per irrigated acre ⁵.....acre-feet..	2.5	1.8	6.3	6.7	6.7	6.6	4.5
Cost of water to farms for enterprises reporting quantity delivered, 1949: ³							
67 Cost for primary irrigation.....dollars..	13,003	5,388	1,031,982	645,280	644,712	568	39,343
68 Average cost per acre-foot.....dollars..	0.82	0.20	0.32	0.30	0.30	0.02	0.46
69 Cost for supplemental irrigation.....dollars..	99	43,316	23,452	23,428	23,428	24	1,781
70 Average cost per acre-foot.....dollars..	0.19	0.23	0.19	0.19	0.19	0.02	0.24
Measurement of water to farms, 1949: ³							
71 No water measured.....enterprises reporting..		2	175	67	63	4	44
72 acres irrigated..		1,831	90,592	41,054	38,824	2,230	10,269
73 Part of water measured.....enterprises reporting..		1	85	37	37		5
74 acres irrigated..		431	298,812	190,812	190,812		4,794
75 All water measured.....enterprises reporting..	2	5	86	64	63	1	12
76 acres irrigated..	6,131	13,509	169,241	119,048	118,448	600	11,779

¹Data for less than 3 enterprises in basins I-F-5a, I-G-2b, I-G-4, and I-H-4 included only in totals. ²For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State. ³For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State. ⁴For interbasin and interstate enterprises, data represent characteristics of the entire enterprise. ⁵Calculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Snake River above American Falls (I-II)—Continued							Great Basin, total	Northwest Great Salt Lake Basin (III-D-1)	Bear River (III-E)				
Henry's Fork			Independent basins						Total	Bear River direct			Upper Malad River (2)
Total	Henry's Fork direct (3a)	Upper Teton River (3b)	Total	Big Lost River (6a)	Little Lost River (6b)	Mud Lake and Camas Creek (6d)				Total	Below Alexander (1a)	Above Alexander (1b)	
101	52	50	24	7	8	9	192	3	189	156	94	63	33
133,206	98,754	34,452	56,740	25,365	5,605	25,770	137,077	2,090	134,987	118,255	67,815	50,440	16,732
2	2	.....	.....	.....	.....	.....	1	.....	1	1	.....	1	.....
2,043	2,043	.....	.....	.....	.....	.....	245	.....	245	245	.....	245	.....
65	22	44	17	2	8	7	148	1	147	115	64	52	32
59,200	33,991	25,209	54,315	24,175	5,605	24,535	97,271	7	97,264	82,032	39,593	42,439	15,232
58	16	43	24	7	8	9	159	2	157	125	71	55	32
33,496	13,642	13,894	56,740	25,365	5,605	25,770	105,052	1,090	103,962	88,700	45,220	43,510	15,232
35	28	7	.....	.....	.....	.....	6	.....	4	4	.....	.....	.....
91,123	76,525	14,598	.....	.....	.....	.....	3,770	1,000	2,770	1,270	1,270	.....	1,500
8	8	.....	.....	.....	.....	.....	27	.....	27	19	8	.....	.....
8,587	8,587	.....	.....	.....	.....	.....	28,255	.....	28,255	28,255	21,325	6,930	.....
.....
84	39	45	13	3	8	4	167	1	166	135	79	56	31
92,339	63,698	28,641	9,207	150	5,605	3,452	97,202	7	97,195	84,365	37,659	46,706	12,830
15	11	5	10	5	.....	.....	24	2	22	20	15	6	2
40,867	35,056	5,811	47,533	25,215	.....	22,318	39,875	2,083	37,792	33,890	30,156	3,734	3,902
2	.....	.....	1	1	.....	.....	1	.....	1	1	.....	1	.....
76	34	43	18	5	6	7	128	2	126	111	69	43	15
61,823	47,437	14,386	25,971	17,139	1,933	6,899	61,601	1,090	60,511	55,660	26,856	28,804	4,851
21	15	6	5	2	2	2	57	1	56	40	24	16	16
63,862	45,856	18,006	23,730	7,725	3,333	17,671	57,615	620	56,995	48,109	31,923	16,186	8,886
7,451	5,461	1,990	2,039	500	339	1,200	16,610	380	16,230	13,525	9,020	4,505	2,705
1	.....	.....	.....	.....	.....	.....	6	.....	4	1	3	2	24
70	70	.....	.....	.....	.....	.....	1,251	.....	1,251	961	16	945	290
2	2	.....	1	1	.....	.....	60	.....	1	1	.....	1	.....
30	3	.....	15	4	7	4	60	.....	60	44	27	17	16
32	20	27	1	1	.....	.....	58	1	57	46	28	18	11
15	9	7	5	.....	1	4	49	1	48	46	31	16	2
21	17	4	.....	.....	.....	.....	20	1	19	15	4	11	4
1	1	.....	1	1	.....	.....	4	.....	4	4	.....	.....	.....
.....
.....
2	2	.....	1	1	.....	.....	1	.....	1	1	.....	1	.....
14	1	13	3	2	1	.....	29	1	28	17	12	5	11
54	26	28	13	3	6	4	117	.....	117	100	64	36	17
15	11	5	.....	.....	.....	.....	3	2	34	31	13	19	3
15	11	4	2	.....	1	1	7	.....	7	5	3	2	2
1	.....	.....	2	1	.....	.....	1	2	2	2	.....	.....	.....
.....
.....
64	50	15	21	7	5	9	176	3	173	140	90	51	33
33	36	14	10	8	18	11	40	27	40	39	42	36	44
4,193,944	4,065,479	134,715	280,150	167,810	14,105	98,235	660,698	19,210	641,488	599,307	414,953	196,354	42,181
56	42	15	15	7	3	5	141	3	138	119	72	48	19
3,794,752	3,676,543	124,459	219,849	167,810	12,417	39,622	509,570	16,210	493,360	459,231	291,608	179,623	34,129
1	1	.....	9	2	.....	.....	15	7	15	.....	.....	.....	15
1,334	1,334	.....	60,301	1,688	.....	58,613	7,552	.....	7,552	.....	.....	.....	7,552
41	34	7	.....	.....	.....	.....	27	1	26	25	22	3	1
397,858	387,602	10,256	.....	.....	.....	.....	143,576	3,000	140,576	140,076	123,345	16,731	500
63	50	14	20	7	4	9	163	2	161	129	84	46	32
651,856	626,320	26,474	72,536	51,959	1,965	18,612	72,294	3,630	68,664	64,253	46,496	19,557	4,411
62	48	15	20	6	5	9	176	3	173	140	90	51	33
850,933	748,629	107,416	183,297	93,940	12,055	77,302	413,748	12,580	401,168	366,013	220,423	155,790	35,155
14	12	3	11	6	.....	.....	23	5	21	19	13	6	54
2,530,354	2,529,729	825	24,232	21,911	.....	2,321	168,907	3,000	165,907	165,107	146,972	18,135	800
3	3	.....	1	1	.....	.....	9	.....	9	7	3	4	2
160,801	160,801	.....	85	.....	85	.....	5,749	.....	5,749	3,934	1,062	2,872	1,811
61	47	15	20	6	5	9	169	3	166	135	89	47	31
788,883	704,353	84,530	177,786	92,164	11,507	74,115	315,749	5,461	310,288	283,419	163,205	120,214	26,869
117,377	92,658	24,719	54,129	24,865	4,694	24,570	108,973	1,710	107,263	93,526	56,824	36,702	13,737
6.7	7.6	3.4	3.3	3.7	2.5	3.0	2.9	3.2	2.9	3.0	2.9	3.3	2.0
21	15	6	4	1	1	2	58	1	57	39	25	14	18
51,958	42,820	9,138	5,511	1,776	548	3,187	48,809	1,226	47,583	40,902	23,172	17,730	6,681
7,451	5,461	1,990	1,964	500	264	1,200	16,506	380	16,126	13,131	9,036	4,095	2,995
7.0	7.8	4.6	2.8	3.6	2.1	2.7	3.0	3.2	3.0	3.1	2.6	4.3	2.2
7.1	8.1	3.7	3.4	3.8	2.8	3.1	3.3	3.8	3.3	3.4	3.3	3.7	2.4
212,652	194,941	17,711	134,699	57,460	5,560	71,679	219,147	2,156	216,991	182,816	163,959	18,857	34,175
0.27	0.28	0.21	0.76	0.62	0.48	0.97	0.69	0.39	0.70	0.65	1.00	0.16	1.27
13,159	10,436	2,703	4,944	1,174	397	3,373	35,509	328	35,181	27,158	24,870	2,288	8,023
0.25	0.24	0.20	0.90	0.66	0.72	1.06	0.73	0.27	0.74	0.66	1.07	0.13	1.20
49	19	30	14	5	4	5	153	2	151	119	64	55	32
32,263	20,367	11,896	6,877	510	823	5,544	86,997	1,007	85,990	69,491	25,785	43,706	16,499
42	24	18	2	1	.....	.....	2	.....	2	2	.....	.....	.....
88,505	67,183	21,322	14,701	830	.....	13,871	11,139	.....	11,139	11,139	11,139	.....	.....
4	3	7	1	4	.....	.....	24	1	23	23	21	3	.....
3,523	2,289	1,234	34,891	24,025	4,782	6,084	31,173	1,083	30,090	30,090	29,246	844

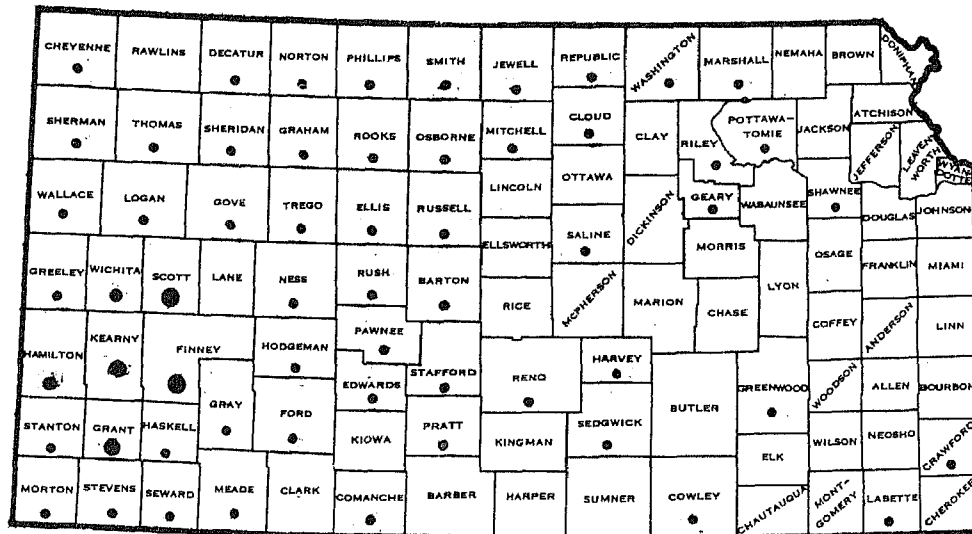
IRRIGATION OF AGRICULTURAL LANDS

KANSAS

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LEGEND

- LESS THAN 5,000 ACRES
- 5,000 - 9,999 ACRES
- 10,000 - 19,999 ACRES
- 20,000 - 49,999 ACRES

KANSAS: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949

IRRIGATION OF AGRICULTURAL LANDS

State Table 1.—IRRIGATION SUMMARY, 1890 TO 1950

Census year	All farms ¹ (number)	All land in farms ¹ (acres)	Irrigated farms ¹ ² (number)	Irrigated acreage reported by—		Irrigation enterprises (number)	Total capital investment in irrigation enterprises (dollars)
				Farms ¹ (acres)	Irrigation enterprises (acres)		
1950.....	131,394	48,611,366	1,166	138,686	140,992	962	5,882,265
1945.....	141,192	48,509,418	636	96,248	(*)	(*)	(*)
1940.....	156,327	48,173,635	1,578	382,872	99,980	1,066	2,153,886
1935.....	174,589	48,009,770	1,331	44,835	(*)	(*)	(*)
1930.....	166,042	46,975,647	683	55,939	71,290	300	1,685,652
1920.....	165,286	45,425,179	504	(**)	47,312	209	2,067,381
1910.....	177,841	43,384,799	1,006	(**)	37,479	716	1,365,563
1900.....	173,098	41,662,970	929	23,620	(*)	(*)	529,755
1890.....	166,617	30,214,456	519	20,818	(*)	(*)	84,729

* Not available.

** Available data not comparable.

¹ Census of Agriculture.

² Farms reporting irrigated land, 1950, 1945, 1900, and 1890 Censuses; farms reporting irrigated cropland harvested and/or irrigated pasture, 1940 Census; farms reporting irrigated cropland harvested, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.

³ Irrigated land from which crops were harvested plus 3,227 acres of irrigated land used only for pasture.

⁴ Irrigated land from which crops were harvested.

⁵ Acreage of irrigated crops including some duplication where 2 or more crops were harvested from the same land.

State Table 2.—CHARACTERISTICS OF IRRIGATION ENTERPRISES, 1920 TO 1950

[For interstate enterprises, data represent characteristics within the State]

Item (For definitions and explanations, see text)	Census of—			
	1950	1940	1930	1920
Enterprises..... total number..	962	1,066	300	209
Enterprises by type:				
Single-farm..... number..	951	1,044	289	(*)
Mutual:				
Unincorporated..... number..	3	2	6	(*)
Incorporated..... number..	8	13	6	(*)
Commercial..... number..		1	2	(*)
District..... number..				(*)
U.S. Bureau of Reclamation ¹ number..				(*)
U.S. Bureau of Indian Affairs..... number..				(*)
State..... number..		4	3	(*)
City..... number..		1		(*)
Other..... number..		1		
Irrigated land, total ² acres..	140,992	99,980	71,290	47,312
Acreage irrigated, by type of enterprise: ³				
Single-farm..... acres..	108,801	71,006	16,689	14,546
Mutual:				
Unincorporated..... acres..	2,013	40,243	37,871	32,516
Incorporated..... acres..	43,920	(4)	16,000	150
Commercial..... acres..				
District..... acres..				
U.S. Bureau of Reclamation ¹ acres..				
U.S. Bureau of Indian Affairs..... acres..				
State..... acres..		538	730	100
City..... acres..		(4)		
Other..... acres..		1,859		
Acreage irrigated, by source of water: ^{3 5}				
Streams (and lakes)..... acres..	62,443	54,294	57,042	33,677
Springs..... acres..	329	(*)	155	
Flowing wells..... acres..	487	26	3	50
Pumped wells..... acres..	103,798	63,476	13,103	14,825
Sewage..... acres..	55	138		
Other and not reported..... acres..	2,118	178	2,442	350
Irrigated land artificially drained..... acres..	1,899	1,959	336	250
Irrigated land in need of drainage..... acres..	557	240	157	1,320
Irrigation works:				
Diversion dams..... total number..	127	102	27	10
Reservoirs..... number..	48	80	19	36
Total capacity (reported)..... acre-feet..	25,505	32,584	66,293	391
Reservoir dams..... total number..	48	40	7	13
Canals and ditches..... total length, miles..	542	292	285	418
Pipe lines..... total length, miles..	13	24	16	3
Flowing wells..... number..	11	24	1	6
Pumped wells..... number..	1,343	1,638	772	710
Average pumping lift (reported)..... feet..	60	38	(*)	(*)
Pumps..... number..	1,310	1,259	312	288
Average pumping lift from all sources..... feet..	(*)	35	26	30
Capital investment, total..... dollars..	5,882,265	2,153,886	1,685,652	2,067,381
Capital investment by type of enterprise:				
Single-farm..... dollars..	5,200,775	1,494,396	875,951	775,095
Mutual:				
Unincorporated..... dollars..	622,082	600,082	242,001	1,289,737
Incorporated..... dollars..	(4)	(4)	520,000	1,549
Commercial..... dollars..				
District..... dollars..				
U.S. Bureau of Reclamation ¹ dollars..				
U.S. Bureau of Indian Affairs..... dollars..				
State..... dollars..	(4) 24,508	(4) 24,508	47,700	1,000
City..... dollars..				
Other..... dollars..	(4) 34,900	(4) 34,900		

* Not available.

¹ For 1950, not including Bureau of Reclamation projects operated by water users, which are classified under other types of enterprises.

² Acreage reported by irrigation enterprises. For 1950, acreage supplied primary irrigation; for 1940, acreage irrigated by "primary enterprises"; for 1920 and 1930, "primary" and "supplemental" irrigation not differentiated. (See text.)

³ For 1950, acreage reported by more than 1 type of enterprise, or from more than 1 source is included for each; for 1940, acreage reported by both "primary" and "supplemental" enterprises is included for each type of enterprise and for each source of water.

⁴ Data for 1 "Commercial" and 1 "City and/or sewage" enterprises included with "Other" enterprises.

⁵ Data for 1940, 1930, and 1920 combined as follows: "Stored storm water" with "Streams and lakes"; "City water" and "Other mixed" with "Other and not reported." For 1940, acreages reported by less than 3 enterprises for "Streams, gravity and pumped," "Wells, pumped and flowing," "Springs," "Stored storm water," "Waste water, seepage and drainage," and supplemental water from "Streams, gravity and/or storage" are omitted.

State Table 3 (Part 1 of 3).—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, other data represent characteristics within the State, except where otherwise noted. Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise.]

Item (For definitions and explanations, see text)	Type of enterprise				
	All types	Single farm	Mutual		Commercial, Indian, State, city, and other
			Unincorporated	Incorporated	
ENTERPRISES: FARMS AND LAND IRRIGATED					
Number of enterprises.....enterprise 1950..	962	951	3	8	7
.....1940..	1,066	1,044	2	13	7
Farms irrigated direct per enterprise.....farms 1949..	1.3	1.0	7.7	30.8	.....
Area irrigated direct.....acres 1949..	154,734	108,801	2,013	43,920	.....
.....acres 1939..	113,646	71,006	40,243	43,920	2,397
Average per enterprise.....acres 1949..	161	114	671	5,490	.....
CHARACTERISTICS OF ENTERPRISES, 1949					
Multiple-purpose enterprises.....enterprises..	.....	.....	.....	.....	.....
Area irrigated direct.....acres.....	.....	.....	.....	.....	.....
Complete-system enterprises.....enterprises..	897	891	3	3	.....
Area irrigated direct.....acres.....	116,169	103,146	2,013	11,010	.....
Enterprises by origin of water supply:					
No water from other enterprises.....enterprises reporting..	931	921	2	8	.....
.....acres irrigated..	148,779	103,146	1,713	43,920	.....
Part of water from other enterprises.....enterprises reporting..	29	28	1	.....	.....
.....acres irrigated..	5,676	5,376	300	.....	.....
All water from other enterprises.....enterprises reporting..	2	2	.....	.....	.....
.....acres irrigated..	279	279	.....	.....	.....
Enterprises by delivery of irrigation water:					
No water delivered.....enterprises reporting..	30	30	.....	.....	.....
Water delivered direct to farms only.....enterprises reporting..	925	921	3	1	268
.....acres irrigated..	112,082	108,801	2,013	1,268	.....
Water delivered to farms and to other enterprises.....enterprises reporting..	7	.....	.....	7	.....
.....acres irrigated..	42,652	.....	.....	42,652	.....
Water delivered to other enterprises only.....enterprises reporting..	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation: ¹					
All primary.....enterprises reporting..	883	876	3	4	.....
.....acres irrigated..	110,339	97,160	2,013	11,166	.....
Part primary, part supplemental.....enterprises reporting..	8	4	.....	4	.....
.....acres irrigated..	30,653	691	.....	29,962	.....
Supplemental irrigation.....acres irrigated..	3,533	741	.....	2,792	.....
All supplemental.....enterprises reporting..	41	41	.....	.....	.....
.....acres irrigated..	10,209	10,209	.....	.....	.....
Enterprises by number of farms irrigated direct:					
None.....enterprises reporting..	30	30	.....	.....	.....
1-3.....enterprises reporting..	921	920	1	.....	.....
4-9.....enterprises reporting..	4	1	1	2	.....
10-29.....enterprises reporting..	3	.....	1	2	.....
30-99.....enterprises reporting..	4	.....	.....	4	.....
100-299.....enterprises reporting..	.....	.....	.....	.....	.....
300-999.....enterprises reporting..	.....	.....	.....	.....	.....
1,000 or more.....enterprises reporting..	.....	.....	.....	.....	.....
Enterprises by acres irrigated direct:					
None.....enterprises reporting..	30	30	.....	.....	.....
1-29.....enterprises reporting..	260	260	.....	.....	.....
30-99.....enterprises reporting..	319	317	1	1	.....
100-499.....enterprises reporting..	311	310	1	.....	.....
500-999.....enterprises reporting..	29	29	.....	.....	.....
1,000-2,999.....enterprises reporting..	9	5	1	3	.....
3,000-9,999.....enterprises reporting..	3	.....	.....	.....	.....
10,000-29,999.....enterprises reporting..	1	.....	.....	1	.....
30,000 or more.....enterprises reporting..	.....	.....	.....	.....	.....
USE OF SURFACE, GROUND, PUMPED AND STORED WATER, 1949					
Surface water:					
Gravity only.....enterprises reporting..	23	15	1	7	.....
.....acres irrigated..	46,652	1,185	1,622	43,845	.....
Pumped only.....enterprises reporting..	91	90	1	.....	.....
.....acres irrigated..	3,984	3,893	91	.....	.....
Gravity and pumped.....enterprises reporting..	1	.....	1	.....	.....
.....acres irrigated..	300	.....	300	.....	.....
Ground water only (pumped from wells).....enterprises reporting..	776	775	.....	1	.....
.....acres irrigated..	92,171	92,096	.....	75	.....
Surface (gravity or pumped) and ground.....enterprises reporting..	71	71	.....	.....	.....
.....acres irrigated..	11,627	11,627	.....	.....	.....
Stored water:					
None stored.....enterprises reporting..	919	909	3	7	.....
.....acres irrigated..	132,856	103,923	2,013	26,920	.....
Part stored.....enterprises reporting..	30	29	.....	1	.....
.....acres irrigated..	20,788	3,788	.....	17,000	.....
All stored.....enterprises reporting..	13	13	.....	.....	.....
.....acres irrigated..	1,090	1,090	.....	.....	.....

¹For interstate enterprises, data represent characteristics within the State.

IRRIGATION OF AGRICULTURAL LANDS

State Table 3 (Part 2 of 3)—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, data represent characteristics within the State except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Type of enterprise				
	All types	Single-farm	Mutual		Commercial, Indian, State, city, and other
			Unincorporated	Incorporated	
SOURCES OF SURFACE WATER, 1949¹					
Streams (and lakes).....	181	171	3	7	
acres irrigated.....	62,443	16,585	2,013	43,845	
Springs.....	5	5			
acres irrigated.....	329	329			
Flowing wells.....	3	3			
acres irrigated.....	487	487			
Drainage water.....	2	1		1	
acres irrigated.....	2,118	430		1,688	
Sewage.....	1	1			
acres irrigated.....	55	55			
Other sources.....					
acres irrigated.....					
DRAINAGE OF IRRIGATED LAND, 1949					
Irrigated land drained:					
Enterprises reporting.....	37	37			
Area supplied primary irrigation.....	2,701	2,701			
Area artificially drained.....	1,899	1,899			
Irrigated land in need of drainage:					
Enterprises reporting.....	17	16		1	
Area supplied primary irrigation.....	8,139	1,104		7,035	
Area in need of drainage.....	557	407		150	
IRRIGATION WORKS, 1950					
Diversion dams.....	74	66	2	6	
dams.....	127	118	2	7	
Diversion dams by material:					
Concrete or masonry.....	49	43	1	5	
Timber.....	3	2		1	
Earth and rock.....	34	32	1	1	
Other, mixed, and not reported.....	41	41			
Reservoirs.....	44	43		1	
reservoirs.....	48	47		1	
number.....	42	41		1	
total capacity, acre-feet.....	25,505	5,505		20,000	
Reservoirs by capacity:					
1-99 acre-feet.....	39	39			
100-999 acre-feet.....	1	1			
1,000 acre-feet and over.....	2	1		1	
Reservoir dams by material:					
Concrete or masonry.....	9	9			
Earth and rock.....	34	33		1	
Other, mixed, and not reported.....	5	5			
Canals and ditches.....	148	139	2	7	
total length, miles.....	543	165	18	360	
Pipelines and siphons.....	26	25	1		
total length, miles.....	13	12	1		
Tunnels.....					
enterprises reporting.....					
total length, feet.....					
Flowing wells.....	3	3			
wells.....	11	11			
Pumped wells.....	846	845		2	
wells.....	1,343	1,341		2	
wells.....	1,196	1,194		40	
feet.....	60	60		1	
enterprises reporting.....	935	933	1	2	
pumps.....	1,310	1,307	1	2	
enterprises reporting.....	348	347		1	
electric motors.....	465	463		2	
enterprises reporting.....	624	623	1		
other motors and engines.....	807	806	1		
SEASON OF IRRIGATION, 1949					
Water delivered only before July 1.....	19	19			
acres irrigated.....	1,685	1,685			
Water delivered before and after July 1.....	604	594	2	8	
acres irrigated.....	127,202	81,360	1,922	43,920	
Water delivered only after July 1.....	264	263	1		
acres irrigated.....	19,560	19,469	91		
CAPITAL INVESTMENT, 1950 AND 1940					
Capital investment in irrigation works and water rights to Jan. 1, 1940.....	2,153,886	1,494,396	600,082		59,408
New capital investment Jan. 1, 1940 to Jan. 1, 1950:					
Enterprises reporting.....	619	616	1	2	
Amount.....	3,728,379	3,705,379	7,000	15,000	
Area irrigated direct.....	73,539	71,873	91	1,575	
Total capital investment Jan. 1, 1950.....	5,882,265	5,200,775	622,082		59,408
INDEBTEDNESS, 1950²					
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:					
Enterprises reporting.....	1		1		
Amount.....	2,000		2,000		
Area irrigated direct.....	1,622		1,622		
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:					
Enterprises reporting.....					
Amount.....					
Area irrigated direct.....					

¹Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise; acreage represents acreage within the State.
²Not reported by single-farm enterprises.

State Table 3 (Part 3 of 3)—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, data represent characteristics within the State except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Type of enterprise				Commercial, Indian, State, city, and other
	All types	Single- farm	Mutual		
			Unincorporated	Incorporated	
COST OF WATER TO FARMS, 1949¹					
Total cost of water to farms:					
Enterprises reporting..... enterprises..	932	921	3	8	
Cost..... dollars..	370,231	306,641	4,977	58,613	
Area irrigated direct..... acres..	154,734	108,801	2,013	43,920	
Cost per acre irrigated direct..... dollars..	2.39	2.82	2.47	1.33	
Enterprises by cost per acre:					
Less than \$1.00..... enterprises reporting..	151	149		2	
..... acres irrigated..	40,479	32,711		7,768	
\$1.00-\$1.99..... enterprises reporting..	205	201		4	
..... acres irrigated..	68,258	33,681		34,577	
\$2.00-\$4.99..... enterprises reporting..	305	301	2	2	
..... acres irrigated..	33,363	29,866	1,922	1,575	
\$5.00-\$9.99..... enterprises reporting..	155	154	1		
..... acres irrigated..	9,469	9,378	91		
\$10.00 or more..... enterprises reporting..	116	116			
..... acres irrigated..	3,165	3,165			
Cost of water for primary irrigation:					
Enterprises reporting..... enterprises..	891	880	3	8	
Cost..... dollars..	355,832	297,092	4,977	53,763	
Area supplied primary irrigation..... acres..	140,992	97,851	2,013	41,128	
Cost per acre supplied..... dollars..	2.52	3.04	2.47	1.31	
Cost of water for supplemental irrigation:					
Enterprises reporting..... enterprises..	49	45		4	
Cost..... dollars..	14,399	9,549		4,850	
Area supplied primary irrigation..... acres..	13,742	10,950		2,792	
Cost per acre supplied..... dollars..	1.05	0.87		1.74	
Cost to farms for purposes other than operation and maintenance: ²					
Enterprises reporting..... enterprises..					
Cost..... dollars..					
Area irrigated direct..... acres..					
Cost per acre irrigated..... dollars..					
Arrearage in payments by farms, Jan. 1, 1950: ²					
Enterprises reporting..... enterprises..	5		1	4	
Amount..... dollars..	4,875		362	4,513	
Area irrigated direct..... acres..	33,032		1,622	31,410	
QUANTITIES OF WATER REPORTED, 1949²					
Total obtained from all sources ³ enterprises reporting..	11		3	8	
..... acre-feet..	98,683		4,873	93,810	
Surface sources..... enterprises reporting..	10		3	7	
..... acre-feet..	97,773		4,773	93,000	
Pumped wells..... enterprises reporting..	1			1	
..... acre-feet..	810			810	
Other enterprises..... enterprises reporting..	1		1		
..... acre-feet..	100		100		
Conveyance loss ³ enterprises reporting..	10		2	8	
..... acre-feet..	13,637		633	13,004	
Delivered: ³					
Direct to farms..... enterprises reporting..	11		3	8	
..... acre-feet..	72,551		4,240	68,311	
To other enterprises..... enterprises reporting..	7			7	
..... acre-feet..	12,495			12,495	
For use other than irrigation..... enterprises reporting..					
..... acre-feet..					
Delivered direct to farms for primary irrigation:					
Enterprises reporting..... enterprises..	11		3	8	
Quantity delivered..... acre-feet..	68,820		4,240	64,580	
Area supplied primary irrigation..... acres..	43,141		2,013	41,128	
Quantity per acre supplied..... acre-feet..	1.6		2.1	1.6	
Delivered direct to farms for supplemental irrigation:					
Enterprises reporting..... enterprises..	4			4	
Quantity delivered..... acre-feet..	3,731			3,731	
Area supplied supplemental irrigation..... acres..	2,792			2,792	
Quantity per acre supplied..... acre-feet..	1.3			1.3	
Cost of water to farms for enterprises reporting quantity delivered:					
Cost for primary irrigation..... dollars..	58,740		4,977	53,763	
Average cost per acre-foot..... dollars..	0.85		1.17	0.83	
Cost for supplemental irrigation..... dollars..	4,850			4,850	
Average cost per acre-foot..... dollars..	1.30			1.30	
Measurement of water to farms:					
No water measured..... enterprises reporting..	7		3	4	
..... acres..	6,544		2,013	4,531	
Part of water measured..... enterprises reporting..	1			1	
..... acres..	7,835			7,835	
All water measured..... enterprises reporting..	2			2	
..... acres..	23,500			23,500	

¹Enterprises with reported cost of \$0 in 1949 are included.

²Not reported by single-farm enterprises.

³For interstate enterprises, data represent characteristics of the entire enterprise.

IRRIGATION OF AGRICULTURAL LANDS

State Table 4 (Part 1 of 3).—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, other data represent characteristics within the State, except where otherwise noted. Farms and acreage irrigated 2 or more enterprises are counted for each enterprise.]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²		
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999
		All gravity	All pumped					
ENTERPRISES: FARMS AND LAND IRRIGATED								
Number of enterprises.....enterprises..	897	17	89	749	42	565	323	9
Farms irrigated direct per enterprise.....farms..	1.1	5.9	1.0	1.0	1.1	1.0	1.1	10.1
Area irrigated.....acres..	116,169	13,538	3,984	92,056	6,591	20,585	76,042	19,542
Average per enterprise.....acres..	130	796	45	123	157	36	235	2,171
CHARACTERISTICS OF ENTERPRISES								
Multiple-purpose enterprises.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
Area irrigated.....acres..	.....	.....	.....	.....	.....	.....	.....	.....
Type of enterprise:								
Single-farm.....enterprises..	891	13	88	749	41	564	322	5
.....acres..	103,146	906	3,893	92,056	6,291	20,494	75,742	6,910
Mutual:								
Unincorporated.....enterprises..	3	1	1	.....	1	1	1	1
.....acres irrigated..	2,013	(⁴)	(⁴)	.....	(⁴)	(⁴)	(⁴)	(⁴)
Incorporated.....enterprises..	3	3	.....	.....	.....	.....	.....	3
.....acres irrigated..	11,010	11,010	.....	.....	.....	.....	.....	11,010
Commercial.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
District.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
U.S. Bureau of Reclamation.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
U.S. Bureau of Indian Affairs.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
State.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
City.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation: ⁵								
All primary.....enterprises reporting..	856	11	89	728	28	556	292	8
.....acres irrigated..	97,639	5,006	3,984	85,468	3,181	20,096	66,055	11,488
Part primary, part supplemental.....enterprises reporting..	5	1	.....	4	.....	.....	4	1
Primary irrigation.....acres irrigated..	7,941	7,250	.....	691	.....	.....	691	7,250
Supplemental irrigation.....acres irrigated..	1,545	804	.....	741	.....	.....	741	804
All supplemental.....enterprises reporting..	36	5	.....	17	14	9	27	.....
.....acres irrigated..	9,044	478	.....	5,156	3,410	489	8,555	.....
Enterprises by number of farms irrigated:								
1-3.....enterprises reporting..	890	13	89	747	41	565	320	5
4-9.....enterprises reporting..	4	1	.....	2	1	.....	3	1
10-29.....enterprises reporting..	2	2	.....	.....	.....	.....	.....	2
30-99.....enterprises reporting..	1	1	.....	.....	.....	.....	.....	1
100-299.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
300-999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
1,000 and over.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by acreage irrigated:								
1-29.....enterprises reporting..	258	5	44	203	6	258	.....	.....
30-99.....enterprises reporting..	307	4	35	251	17	307	.....	.....
100-499.....enterprises reporting..	296	4	10	264	18	.....	296	.....
500-999.....enterprises reporting..	27	.....	.....	26	1	.....	27	.....
1,000-2,999.....enterprises reporting..	8	3	.....	5	.....	.....	.....	8
3,000-9,999.....enterprises reporting..	1	1	.....	.....	.....	.....	.....	1
10,000-29,999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
30,000 and over.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
USE OF SURFACE, GROUND, PUMPED AND STORED WATER								
Surface water:								
Gravity only.....enterprises reporting..	17	17	.....	.....	.....	9	4	4
.....acres irrigated..	13,538	13,538	.....	.....	.....	308	598	12,632
Pumped only.....enterprises reporting..	89	.....	89	.....	.....	79	10	.....
.....acres irrigated..	3,984	.....	3,984	.....	.....	2,429	1,555	.....
Gravity and pumped.....enterprises reporting..	1	.....	.....	.....	1	.....	1	.....
.....acres irrigated..	300	.....	.....	.....	300	.....	300	.....
Ground water only (pumped from wells).....enterprises reporting..	749	.....	.....	749	.....	454	290	5
.....acres irrigated..	92,056	.....	.....	92,056	.....	16,718	68,428	6,910
Surface (gravity or pumped) and ground.....enterprises reporting..	41	.....	.....	.....	41	23	18	.....
.....acres irrigated..	6,291	.....	.....	.....	6,291	1,130	5,161	.....
Stored water:								
None stored.....enterprises reporting..	866	17	82	731	36	549	308	9
.....acres irrigated..	112,903	13,538	3,720	89,836	5,809	19,878	73,483	19,542
Part stored.....enterprises reporting..	19	.....	2	13	4	8	11	.....
.....acres irrigated..	2,176	.....	50	1,829	297	410	1,766	.....
All stored.....enterprises reporting..	12	.....	5	5	2	8	4	.....
.....acres irrigated..	1,090	.....	214	391	485	297	793	.....

¹ "Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded.

² Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.

³ Surface water includes water from springs and from flowing wells.

⁴ Data for less than 3 enterprises not shown separately.

⁵ For interstate enterprises, data represent characteristics within the State.

State Table 4. (Part 2 of 3).—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises, data represent characteristics within the State, except where otherwise noted. Acreage irrigated by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²		
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999
		All gravity	All pumped					
SOURCES OF SURFACE WATER⁴								
Streams (and lakes).....enterprises reporting..	144	16	88	.....	40	107	33	4
.....acres irrigated..	23,993	13,498	3,974	.....	6,521	3,747	7,614	12,632
Springs.....enterprises reporting..	5	2	1	.....	2	4	1	.....
.....acres irrigated..	329	64	10	.....	255	129	200	.....
Flowing wells.....enterprises reporting..	2	.....	.....	.....	2	1	1	.....
.....acres irrigated..	487	.....	.....	.....	487	15	472	.....
Drainage water.....enterprises reporting..	1	1	.....	.....	.....	.....	.....	1
.....acres irrigated..	1,688	1,688	.....	.....	.....	.....	.....	1,688
Sewage.....enterprises reporting..	1	.....	1	.....	.....	1	.....	.....
.....acres irrigated..	55	.....	55	.....	.....	55	.....	.....
Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....
DRAINAGE OF IRRIGATED LAND								
Irrigated land drained:								
Enterprises reporting.....enterprises..	36	.....	11	24	1	31	5	.....
Acreage supplied primary irrigation.....acres..	2,321	.....	745	1,526	50	1,260	1,061	.....
Acreage artificially drained.....acres..	1,834	.....	715	1,069	50	959	875	.....
Irrigated land in need of drainage:								
Enterprises reporting.....enterprises..	15	1	1	12	1	14	1	.....
Acreage supplied primary irrigation.....acres..	724	20	20	634	50	564	160	.....
Acreage in need of drainage.....acres..	242	20	20	187	15	212	30	.....
IRRIGATION WORKS								
Diversion dams.....enterprises reporting..	66	13	34	.....	19	47	15	4
.....dams..	113	26	47	.....	40	70	39	4
Diversion dams by material:								
Concrete or masonry.....dams..	41	9	11	.....	21	18	22	1
Timber.....dams..	2	1	1	.....	1	.....	.....	1
Earth or rock.....dams..	33	8	19	.....	6	29	2	2
Other, mixed, and not reported.....dams..	37	8	16	.....	13	22	15	.....
Reservoirs.....enterprises reporting..	33	.....	8	19	6	17	16	.....
.....reservoirs..	36	.....	10	20	6	19	17	.....
Reservoirs for which capacity was reported.....reservoirs..	32	.....	9	19	4	17	15	.....
.....total capacity, acre-feet..	5,396	.....	137	101	5,158	154	5,242	.....
Reservoirs by capacity:								
1-99 acre-feet.....reservoirs..	30	.....	9	19	2	17	13	.....
100-999 acre-feet.....reservoirs..	1	.....	.....	.....	1	.....	1	.....
1,000 acre-feet and over.....reservoirs..	1	.....	.....	.....	1	.....	1	.....
Reservoir dams by material:								
Concrete or masonry.....dams..	9	.....	4	1	4	5	4	.....
Earth or rock.....dams..	25	.....	5	18	2	13	12	.....
Other, mixed, and not reported.....dams..	2	.....	1	1	.....	1	.....	.....
Canals and ditches.....enterprises reporting..	128	10	21	77	20	81	43	4
.....total length, miles..	241	90	23	94	33	69	85	86
Pipelines and siphons.....enterprises reporting..	25	1	9	14	1	21	3	1
.....total length, miles..	13	1	3	8	1	11	2	(5)
Tunnels.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
.....total length, feet..	.....	.....	.....	.....	.....	.....	.....	.....
Flowing wells.....enterprises reporting..	2	.....	.....	.....	2	1	1	.....
.....wells..	7	.....	.....	.....	7	4	3	.....
Pumped wells.....enterprises reporting..	787	.....	.....	749	38	478	304	5
.....wells..	1,208	.....	.....	1,129	79	640	546	22
Wells for which pumping lift was reported.....wells..	1,066	.....	.....	992	74	559	485	22
Average pumping lift.....feet..	64	.....	.....	66	35	51	78	82
Irrigation pumps.....enterprises reporting..	874	88	745	41	553	316	.....	.....
.....pumps..	1,223	106	1,031	86	698	503	.....	.....
Electric motors used for pumping.....enterprises reporting..	312	6	282	24	174	133	.....	.....
.....electric motors..	413	6	376	31	210	193	.....	10
Other motors and engines used for pumping.....enterprises reporting..	598	2	82	493	21	395	200	3
.....other motors and engines..	773	2	93	637	41	458	303	12
SEASON OF IRRIGATION								
Enterprises reporting and acreage irrigated:								
Water delivered only before July 1.....enterprises reporting..	19	.....	.....	19	.....	13	6	.....
.....acres irrigated..	1,685	.....	.....	1,665	.....	482	1,203	.....
Water delivered before and after July 1.....enterprises reporting..	575	11	31	509	24	325	242	8
.....acres irrigated..	89,937	13,270	928	71,158	4,561	11,637	60,458	17,842
Water delivered only after July 1.....enterprises reporting..	259	3	55	183	18	197	62	.....
.....acres irrigated..	19,020	218	2,829	13,963	2,010	7,650	11,370	.....
NEW CAPITAL INVESTMENT								
New capital investment Jan. 1, 1940 to Jan. 1, 1950:								
Enterprises reporting.....enterprises..	578	1	61	490	26	358	216	4
Amount.....dollars..	3,530,335	600	114,852	3,359,623	55,260	1,222,762	2,194,573	113,000
Area irrigated.....acres..	88,651	20	2,753	62,990	2,888	13,988	48,873	5,790
INDEBTEDNESS⁶								
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
Enterprises reporting.....enterprises..	1	1	.....	.....	.....	.....	.....	1
Amount.....dollars..	2,000	2,000	.....	.....	.....	.....	.....	2,000
Area irrigated.....acres..	1,622	1,622	.....	.....	.....	.....	.....	1,622
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
Enterprises reporting.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
Amount.....dollars..	.....	.....	.....	.....	.....	.....	.....	.....
Area irrigated.....acres..	.....	.....	.....	.....	.....	.....	.....	.....

¹ "Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded.

² Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.

³ Surface water includes water from springs and from flowing wells.

⁴ Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise; acreage represents acreage within the State.

⁵ Less than 0.5.

⁶ Not reported by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

State Table 4 (Part 3 of 3).—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises data represent characteristics within the State, except where otherwise noted. Acreage irrigated by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²		
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999
		All gravity	All pumped					
COST OF WATER TO FARMS⁴								
Total cost of water to farms:								
Enterprises reporting.....enterprises..	897	17	89	749	42	565	323	9
Cost.....dollars..	310,287	18,072	11,911	267,065	13,239	96,210	184,775	29,302
Area irrigated.....acres..	116,169	13,538	3,984	92,056	6,591	20,585	76,042	19,542
Cost per acre irrigated.....dollars..	2.67	1.33	2.99	2.90	2.01	4.67	2.43	1.50
Enterprises by cost per acre:								
Less than \$1.00.....enterprises reporting..	144	12	12	110	10	61	78	5
.....acres irrigated..	32,112	2,136	849	26,184	2,943	2,524	22,930	6,658
\$1.00-\$1.99.....enterprises reporting..	200	2	15	172	11	86	112	2
.....acres irrigated..	42,323	9,742	895	29,731	1,955	4,449	28,132	9,742
\$2.00-\$4.99.....enterprises reporting..	292	2	33	246	11	194	96	2
.....acres irrigated..	29,746	1,636	1,381	25,703	1,026	7,886	18,718	3,142
\$5.00-\$9.99.....enterprises reporting..	148	.....	22	118	8	118	30	.....
.....acres irrigated..	8,984	.....	792	7,578	614	3,645	5,339	.....
\$10.00 or more.....enterprises reporting..	113	1	7	103	2	106	7	.....
.....acres irrigated..	3,004	24	67	2,860	53	2,081	923	.....
Cost of water for primary irrigation:								
Enterprises reporting.....enterprises..	861	12	89	732	28	556	296	9
Cost.....dollars..	300,315	16,974	11,911	261,462	9,968	95,599	176,512	28,204
Area supplied primary irrigation.....acres..	105,580	12,256	3,984	86,159	3,181	20,096	66,746	18,738
Cost per acre supplied.....dollars..	2.84	1.38	2.99	3.03	3.13	4.76	2.64	1.51
Cost of water for supplemental irrigation:								
Enterprises reporting.....enterprises..	41	6	.....	21	14	9	31	1
Cost.....dollars..	9,972	1,098	.....	5,603	3,271	611	8,263	1,098
Area supplied supplemental irrigation.....acres..	10,589	1,282	.....	5,897	3,410	489	9,296	804
Cost per acre supplied.....dollars..	0.94	0.86	.....	0.95	0.96	1.25	0.89	1.37
Cost to farms for purposes other than operation and maintenance: ⁵								
Enterprises reporting.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....
Cost.....dollars..	.....	.....	.....	.....	.....	.....	.....	.....
Area irrigated.....acres..	.....	.....	.....	.....	.....	.....	.....	.....
Cost per acre irrigated.....dollars..	.....	.....	.....	.....	.....	.....	.....	.....
Arrearage in payments by farms, Jan. 1, 1950: ⁵								
Enterprises reporting.....enterprises..	1	1	.....	.....	.....	.....	.....	1
Amount.....dollars..	362	362	.....	.....	.....	.....	.....	362
Area irrigated.....acres..	1,622	1,622	.....	.....	.....	.....	.....	1,622
QUANTITIES OF WATER REPORTED⁵								
Total obtained from all sources ⁶.....enterprises reporting..	6	4	1	.....	1	1	1	4
.....acre-feet..	28,298	26,758	40	.....	1,500	40	1,500	26,758
Surface sources.....enterprises reporting..	6	4	1	.....	1	1	1	4
.....acre-feet..	28,198	26,758	40	.....	1,400	40	1,400	26,758
Pumped wells.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
.....acre-feet..	.....	.....	.....	.....	.....	.....	.....	.....
Other enterprises.....enterprises reporting..	1	.....	.....	.....	1	.....	1	.....
.....acre-feet..	100	.....	.....	.....	100	.....	100	.....
Conveyance loss ⁶.....enterprises reporting..	5	4	1	.....	1	.....	1	4
.....acre-feet..	4,353	4,053	.....	.....	300	.....	300	4,053
Delivered: ⁶								
Direct to farms.....enterprises reporting..	6	4	1	.....	1	1	1	4
.....acre-feet..	23,445	22,205	40	.....	1,200	40	1,200	22,205
To other enterprises.....enterprises reporting..	2	2	.....	.....	.....	.....	.....	2
.....acre-feet..	500	500	.....	.....	.....	.....	.....	500
For use other than irrigation.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
.....acre-feet..	.....	.....	.....	.....	.....	.....	.....	.....
Delivered to farms for primary irrigation:								
Enterprises reporting.....enterprises..	6	4	1	.....	1	1	1	4
Quantity delivered.....acre-feet..	22,328	21,088	40	.....	1,200	40	1,200	21,088
Acreage supplied primary irrigation.....acres..	12,219	11,828	91	.....	300	91	300	11,828
Quantity per acre supplied.....acre-feet..	1.8	1.8	0.4	.....	4.0	0.4	4.0	1.8
Delivered to farms for supplemental irrigation:								
Enterprises reporting.....enterprises..	1	1	.....	.....	.....	.....	.....	1
Quantity delivered.....acre-feet..	1,117	1,117	.....	.....	.....	.....	.....	1,117
Acreage supplied supplemental irrigation.....acres..	804	804	.....	.....	.....	.....	.....	804
Quantity per acre supplied.....acre-feet..	1.4	1.4	.....	.....	.....	.....	.....	1.4
Cost of water to farms for enterprises reporting quantity delivered:								
Cost for primary irrigation.....dollars..	18,292	16,612	480	.....	1,200	480	1,200	16,612
Average cost per acre-foot.....dollars..	0.82	0.79	12.00	.....	1.00	12.00	1.00	0.79
Cost for supplemental irrigation.....dollars..	1,098	1,098	.....	.....	.....	.....	.....	1,098
Average cost per acre-foot.....dollars..	0.98	0.98	.....	.....	.....	.....	.....	0.98
Measurement of water to farms:								
No water measured.....enterprises reporting..	5	3	1	.....	1	1	1	3
.....acres..	4,969	4,578	91	.....	300	91	300	4,578
Part of water measured.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres..	.....	.....	.....	.....	.....	.....	.....	.....
All water measured.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....
.....acres..	.....	.....	.....	.....	.....	.....	.....	.....

¹ "Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded.
² Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.
³ Surface water includes water from springs and from flowing wells.
⁴ Enterprises with reported cost of \$0 in 1949 are included.
⁵ Not reported by single-farm enterprises.
⁶ For interstate enterprises, data represent characteristics of the entire enterprise.

County Table 1.—IRRIGATED FARMS: NUMBER, ACREAGE, AND OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945

[1950 data for items shown in italics are based on reports for only a sample of farms. See text.]

Item (For definitions and explanations, see text)		The State	Barton	Cheyenne	Cowley	Crawford	Decatur	Edwards
1	Irrigated farms.....number 1950..	1,166	30	9	4	3	8	5
2	.....1945..	636	.....	.....	.....	.....	.....	2
3	Proportion of all farms.....percent 1950..	0.9	2.0	1.2	0.2	0.1	0.8	0.7
4	Land in irrigated farms.....acres 1950..	1,065,691	14,408	7,090	1,170	102	7,362	3,326
5	.....average per farm, acres 1950..	914.0	480.3	787.8	292.5	34.0	920.2	665.2
6	Value of land and buildings.....average per farm, dollars 1950..	69,624	.....	.....	163,750	.....	127,500	72,300
7	.....average per acre, dollars 1950..	73.01	.....	.....	153.04	.....	62.20	120.79
8	Proportion of irrigated farms reporting value.....percent 1950..	78	.....	.....	25	.....	25	140
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	81	.....	.....	91	.....	56	126
Land in irrigated farms according to use, 1949:								
10	Cropland harvested.....farms reporting..	1,148	30	8	4	3	8	5
11	.....acres..	464,363	9,806	2,386	573	93	2,802	1,758
12	Cropland used only for pasture.....acres..	30,209	270	120	532	.....	259	625
13	Cropland not harvested and not pastured.....acres..	210,928	1,239	2,122	8	.....	1,132	650
14	Woodland pastured.....acres..	7,870	131	70	.....	.....	36	.....
15	Other pasture (not cropland and not woodland).....acres..	327,668	2,388	2,144	5	.....	2,761	231
16	Land pastured, total.....farms reporting..	817	27	8	3	.....	8	4
17	.....acres..	365,747	2,799	2,334	537	.....	3,056	856
18	Irrigated land in farms.....acres 1949..	138,686	1,663	432	54	13	331	265
19	.....1944..	96,248	.....	.....	.....	.....	.....	.....
20	Land irrigated by sprinklers.....farms reporting 1949..	76	.....	.....	.....	.....	.....	2
21	.....acres 1949..	3,121	.....	.....	1	11	.....	.....
Irrigated land in farms according to use, 1949:								
22	Irrigated cropland harvested.....farms reporting..	1,108	26	8	4	3	7	5
23	.....acres..	123,970	1,307	422	49	13	141	224
24	Irrigated pasture.....farms reporting..	161	9	1	.....	.....	1	1
25	.....acres..	5,127	191	8	5	.....	190	1
26	Irrigated wild grass pasture.....farms reporting..	48	2	.....	.....	.....	1	.....
27	.....acres..	1,897	110	.....	.....	.....	190	.....
28	Irrigated tame grass pasture.....farms reporting..	124	7	1	1	.....	.....	1
29	.....acres..	3,230	81	8	5	.....	.....	1
30	Irrigated cropland not harvested and not pastured.....farms reporting..	174	10	1	.....	.....	.....	1
31	.....acres..	9,589	165	2	.....	.....	.....	40
Irrigated farms by acres irrigated in 1949:								
32	1-9 acres.....farms reporting..	135	1	.....	1	2	3	2
33	10-19 acres.....farms reporting..	100	4	2	2	1	1	.....
34	20-29 acres.....farms reporting..	89	6	.....	.....	.....	2	.....
35	30-49 acres.....farms reporting..	142	6	3	1	.....	.....	1
36	50-99 acres.....farms reporting..	247	9	3	.....	.....	1	1
37	100-199 acres.....farms reporting..	253	3	1	.....	.....	1	1
38	200 acres and over.....farms reporting..	200	1	.....	.....	.....	.....	.....
Irrigated farms by tenure of operator, 1950:								
39	Full owners.....number..	320	6	6	2	2	1	2
40	Part owners.....number..	534	14	3	2	1	7	2
41	Managers.....number..	14	.....	.....	.....	.....	.....	.....
42	Tenants.....number..	298	10	.....	.....	.....	.....	1
Land in wholly and in partly irrigated farms:								
43	Wholly irrigated farms.....number 1950..	233	.....	.....	1	1	1	2
44	All land.....acres 1950..	68,907	.....	.....	40	1	43	16
45	Cropland harvested.....acres 1949..	26,032	.....	.....	25	1	3	9
46	Irrigated land.....acres 1949..	30,538	.....	.....	30	1	3	10
47	Partly irrigated farms.....number 1950..	933	30	9	3	2	7	3
48	All land.....acres 1950..	996,784	14,408	7,090	1,130	101	7,319	3,310
49	Cropland harvested, total.....farms reporting 1949..	915	30	8	3	2	7	3
50	.....acres 1949..	439,331	9,806	2,386	548	92	2,799	1,749
51	Irrigated land.....acres 1949..	108,148	1,663	432	24	12	328	255
52	Irrigated cropland harvested.....farms reporting 1949..	875	26	8	3	2	6	3
53	.....acres 1949..	97,938	1,307	422	24	12	138	215
Characteristics of wholly irrigated and nonirrigated farms:								
54	Wholly irrigated farms.....number 1950..	233	.....	.....	1	1	1	2
55	Average acreage per farm:							
56	All land.....acres 1949..	295.7	.....	.....	40.0	1.0	43.0	8.0
57	Cropland harvested.....acres 1949..	111.7	.....	.....	25.0	1.0	3.0	4.5
58	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.1	.....	.....	.....	.....	.....	2.0
59	Vegetables harvested for sale.....acres 1949..	1.1	.....	.....	.....	.....	3.0	.....
60	Small grains (including sorghums).....acres 1949..	79.5	.....	.....	.....	.....	.....	.....
61	All hay.....acres 1949..	153.6	.....	.....	.....	.....	.....	2.5
62	Farms by tenure of operator:							
63	Full owners and managers.....number 1950..	119	.....	.....	1	1	.....	2
64	Part owners.....number 1950..	39	.....	.....	.....	.....	1	.....
65	Tenants.....number 1950..	75	.....	.....	.....	.....	.....	.....
66	Value of land and buildings per farm.....dollars 1950..	32,727	.....	.....	.....	.....	.....	.....
67	Nonirrigated farms.....number 1950..	130,228	1,477	759	2,265	2,283	931	741
68	Average acreage per farm:							
69	All land.....acres 1949..	365.1	370.1	820.3	305.0	146.1	585.4	535.0
70	Cropland harvested.....acres 1949..	161.5	245.2	219.8	100.0	73.0	184.1	313.6
71	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.1	(1)	(1)	0.2	0.1	(1)	(1)
72	Vegetables harvested for sale.....acres 1949..	0.1	(1)	(1)	0.1	(1)	(1)	(1)
73	Small grains (including sorghums).....acres 1949..	125.3	225.5	172.3	69.1	30.6	146.7	295.0
74	All hay.....acres 1949..	14.9	11.6	5.6	16.8	11.8	7.4	4.0
75	Farms by tenure of operator:							
76	Full owners and managers.....number 1950..	50,693	328	244	938	1,224	257	175
77	Part owners.....number 1950..	40,601	524	353	563	531	413	302
78	Tenants.....number 1950..	38,934	625	162	764	528	261	264
79	Value of land and buildings per farm.....dollars 1950..	24,401	43,987	38,542	20,873	7,948	23,009	45,704
Irrigated farms and irrigated land by origin of water, 1949:								
80	Individually operated supply works and—							
81	No other irrigation enterprise.....farms reporting..	881	28	9	4	1	8	5
82	.....acres irrigated..	92,215	1,494	432	54	10	331	265
83	1 other irrigation enterprise.....farms reporting..	96	.....	.....	.....	.....	.....	.....
84	.....acres irrigated..	21,289	.....	.....	.....	.....	.....	.....
85	2 or more other irrigation enterprises.....farms reporting..	4	.....	.....	.....	.....	.....	.....
86	.....acres irrigated..	1,633	.....	.....	.....	.....	.....	.....
87	No individually operated supply works but—							
88	1 other irrigation enterprise.....farms reporting..	182	2	.....	.....	2	.....	.....
89	.....acres irrigated..	22,356	169	.....	.....	3	.....	.....
90	2 or more other irrigation enterprises.....farms reporting..	3	.....	.....	.....	.....	.....	.....
91	.....acres irrigated..	1,193	.....	.....	.....	.....	.....	.....

See footnote at end of County Table 1.

IRRIGATION OF AGRICULTURAL LANDS

County Table 1.—IRRIGATED FARMS: NUMBER, ACREAGE, AND

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		Ellis	Finney	Ford	Geary	Gove	Grant	Gray
1	Irrigated farms.....number 1950..	11	243	62	3	3	38	23
2	1945..	4	273	53	.....	.....	3	3
3	Proportion of all farms.....percent 1950..	1.0	32.9	5.4	0.5	0.5	13.6	3.7
4	Land in irrigated farms.....acres 1950..	11,925	192,142	26,315	950	3,660	51,934	21,691
5	.....average per farm, acres 1950..	1,084.1	790.7	424.4	316.7	1,220.0	1,366.7	943.1
6	Value of land and buildings.....average per farm, dollars 1950..	80,312	59,540	41,174	.....	.....	97,855	87,600
7	.....average per acre, dollars 1950..	43.12	78.52	99.65	.....	.....	90.65	74.10
8	Proportion of irrigated farms reporting value.....percent 1950..	109	92	111	.....	.....	84	39
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	187	88	108	.....	.....	66	49
Land in irrigated farms according to use, 1949:								
10	Cropland harvested.....farms reporting..	10	238	58	3	3	38	23
11	.....acres..	3,222	76,505	12,561	701	696	30,480	10,168
12	Cropland used only for pasture.....acres..	88	5,081	854	17	.....	754	1,536
13	Cropland not harvested and not pastured.....acres..	1,861	39,594	4,821	84	696	15,741	3,666
14	Woodland pastured.....acres..	61	377	1,380	.....	.....	927	10
15	Other pasture (not cropland and not woodland).....acres..	6,163	65,087	6,116	55	2,195	2,836	5,980
16	Land pastured, total.....farms reporting..	9	114	39	2	3	22	21
17	.....acres..	6,312	70,545	8,350	72	2,195	4,517	7,526
18	Irrigated land in farms.....acres 1949..	322	37,228	2,353	73	90	10,521	1,565
19	1944..	61	45,719	1,622	.....	.....	1,850	280
20	Land irrigated by sprinklers.....farms reporting 1949..	2	6	2	1	1	3	1
21	.....acres 1949..	60	586	23	50	20	90	40
Irrigated land in farms according to use, 1949:								
22	Irrigated cropland harvested.....farms reporting..	10	232	53	3	3	36	23
23	.....acres..	262	34,036	2,175	73	76	10,001	1,462
24	Irrigated pasture.....farms reporting..	2	30	12	.....	.....	12	2
25	.....acres..	60	411	120	.....	.....	347	40
26	Irrigated wild grass pasture.....farms reporting..	.....	7	.....	.....	.....	1	1
27	.....acres..	.....	120	.....	.....	.....	5	10
28	Irrigated tame grass pasture.....farms reporting..	2	25	12	.....	.....	12	2
29	.....acres..	60	291	120	.....	.....	342	30
30	Irrigated cropland not harvested and not pastured.....farms reporting..	.....	52	6	.....	1	5	2
31	.....acres..	.....	2,781	58	.....	14	173	63
Irrigated farms by acres irrigated in 1949:								
32	1-9 acres.....farms reporting..	3	13	29	1	.....	.....	1
33	10-19 acres.....farms reporting..	3	6	10	1	1	.....	2
34	20-29 acres.....farms reporting..	2	10	3	.....	.....	1	4
35	30-49 acres.....farms reporting..	.....	22	7	.....	.....	.....	3
36	50-99 acres.....farms reporting..	3	50	5	1	1	5	6
37	100-199 acres.....farms reporting..	.....	83	6	.....	.....	18	6
38	200 acres and over.....farms reporting..	.....	59	2	.....	.....	14	1
Irrigated farms by tenure of operator, 1950:								
39	Full owners.....number..	3	58	38	2	1	7	9
40	Part owners.....number..	3	83	18	1	2	18	11
41	Managers.....number..	2	.....	.....	.....	.....	.....	.....
42	Tenants.....number..	3	102	4	.....	.....	13	3
Land in wholly and in partly irrigated farms:								
43	Wholly irrigated farms.....number 1950..	2	91	22	.....	.....	3	1
44	All land.....acres 1950..	35	35,989	727	.....	.....	590	45
45	Cropland harvested.....acres 1949..	12	13,254	412	.....	.....	375	31
46	Irrigated land.....acres 1949..	12	14,714	425	.....	.....	414	31
47	Partly irrigated farms.....number 1950..	9	152	40	3	3	35	22
48	All land.....acres 1950..	11,890	156,153	25,588	950	3,660	51,344	21,646
49	Cropland harvested, total.....farms reporting 1949..	8	147	36	3	3	35	22
50	.....acres 1949..	3,210	63,251	12,149	701	696	30,105	10,137
51	Irrigated land.....acres 1949..	310	22,514	1,928	73	90	10,107	1,534
52	Irrigated cropland harvested.....farms reporting 1949..	8	141	31	3	3	33	22
53	.....acres 1949..	250	20,782	1,763	73	76	9,626	1,431
Characteristics of wholly irrigated and nonirrigated farms:								
54	Wholly irrigated farms.....number 1950..	2	91	22	.....	.....	3	1
Average acreage per farm:								
55	All land.....acres 1949..	17.5	395.5	33.0	.....	.....	196.7	45.0
56	Cropland harvested.....acres 1949..	6.0	145.6	18.7	.....	.....	125.0	31.0
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	.....	(1)	.....	.....	.....	.....	.....
58	Vegetables harvested for sale.....acres 1949..	0.5	.....	.....	.....	.....	19.7	.....
59	Small grains (including sorghums).....acres 1949..	.....	102.3	11.9	.....	.....	86.0	31.0
60	All hay.....acres 1949..	.....	36.6	6.0	.....	.....	13.3	.....
Farms by tenure of operator:								
61	Full owners and managers.....number 1950..	.....	34	20	.....	.....	2	1
62	Part owners.....number 1950..	.....	1	2	.....	.....	.....	.....
63	Tenants.....number 1950..	.....	43	.....	.....	.....	1	.....
64	Value of land and buildings per farm.....dollars 1950..	.....	35,887	9,783	.....	.....	32,000	.....
Nonirrigated farms.....number 1950..		1,052	496	1,084	600	635	242	596
Average acreage per farm:								
66	All land.....acres 1949..	528.3	1,136.3	572.2	380.4	946.2	1,057.3	787.6
67	Cropland harvested.....acres 1949..	228.8	440.9	317.3	149.9	305.3	553.9	433.4
68	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	(1)	(1)	(1)	(1)	(1)	(1)	(1)
69	Vegetables harvested for sale.....acres 1949..	(1)	(1)	(1)	(1)	(1)	(1)	(1)
70	Small grains (including sorghums).....acres 1949..	201.8	419.4	301.8	75.6	274.3	553.0	418.5
71	All hay.....acres 1949..	5.0	4.1	3.0	49.5	6.5	1.1	2.6
Farms by tenure of operator:								
72	Full owners and managers.....number 1950..	315	127	328	292	138	30	114
73	Part owners.....number 1950..	393	204	422	158	333	106	272
74	Tenants.....number 1950..	344	165	334	150	164	106	210
75	Value of land and buildings per farm.....dollars 1950..	31,058	60,075	44,731	20,101	44,571	60,532	54,858
Irrigated farms and irrigated land by origin of water, 1949:								
Individually operated supply works and—								
76	No other irrigation enterprise.....farms reporting..	11	102	54	3	3	36	23
77	.....acres irrigated..	322	12,159	1,995	73	90	10,193	1,565
78	1 other irrigation enterprise.....farms reporting..	.....	29	1	.....	.....	.....	.....
79	.....acres irrigated..	.....	7,490	43	.....	.....	.....	.....
80	2 or more other irrigation enterprises.....farms reporting..	.....	2	.....	.....	.....	.....	.....
81	.....acres irrigated..	.....	933	.....	.....	.....	.....	.....
No individually operated supply works but—								
82	1 other irrigation enterprise.....farms reporting..	.....	107	7	.....	.....	2	.....
83	.....acres irrigated..	.....	15,453	315	.....	.....	328	.....
84	2 or more other irrigation enterprises.....farms reporting..	.....	3	.....	.....	.....	3	.....
85	.....acres irrigated..	.....	1,193	.....	.....	.....	.....	.....

See footnote at end of County Table 1.

IRRIGATION OF AGRICULTURAL LANDS

County Table 1.—IRRIGATED FARMS: NUMBER, ACREAGE, AND

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		Phillips	Pottawatomie	Reno	Riley	Rooks	Rush	Saline
1	Irrigated farms.....number 1950..	7	5	5	5	3	62	3
2	.....1945..	.....	.....	.....	.....	.....	.....	.....
3	Proportion of all farms.....percent 1950..	0.5	0.3	0.2	0.4	0.3	6.2	0.2
4	Land in irrigated farms.....acres 1950..	2,995	4,102	170	629	1,280	28,538	657
5	.....average per farm, acres 1950..	427.8	820.4	34.0	125.8	426.7	460.3	219.0
6	Value of land and buildings.....average per farm, dollars 1950..	34,400	.....	.....	50,000	.....	27,766	16,200
7	.....average per acre, dollars 1950..	57.33	.....	.....	242.72	.....	80.91	1,620.00
8	Proportion of irrigated farms reporting value.....percent 1950..	71	.....	.....	100	.....	66	167
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	100	.....	.....	164	.....	49	8
Land in irrigated farms according to use, 1949:								
10	Cropland harvested.....farms reporting..	7	5	4	5	3	62	3
11	.....acres..	1,443	1,480	117	355	373	16,280	435
12	Cropland used only for pasture.....acres..	286	22	11	54	.....	693	5
13	Cropland not harvested and not pastured.....acres..	157	55	18	36	212	2,636	60
14	Woodland pastured.....acres..	90	15	16	62	.....	1,146	.....
15	Other pasture (not cropland and not woodland).....acres..	846	2,362	.....	73	522	6,732	65
16	Land pastured, total.....farms reporting..	7	3	4	.....	.....	58	3
17	.....acres..	1,222	2,399	27	189	522	8,571	70
18	Irrigated land in farms.....acres 1949..	510	195	21	152	392	2,511	72
19	.....1944..	.....	.....	8	.....	1	432	.....
20	Land irrigated by sprinklers.....farms reporting 1949..	.....	.....	2	.....	1	.....	2
21	.....acres 1949..	.....	.....	4	53	7	67	57
Irrigated land in farms according to use, 1949:								
22	Irrigated cropland harvested.....farms reporting..	7	5	4	5	3	58	2
23	.....acres..	510	195	20	152	128	2,385	19
24	Irrigated pasture.....farms reporting..	.....	.....	1	.....	1	6	.....
25	.....acres..	.....	.....	1	.....	264	60	.....
26	Irrigated wild grass pasture.....farms reporting..	.....	.....	1	.....	1	1	.....
27	.....acres..	.....	.....	1	.....	210	20	.....
28	Irrigated tame grass pasture.....farms reporting..	.....	.....	.....	.....	1	5	.....
29	.....acres..	.....	.....	.....	.....	54	40	.....
30	Irrigated cropland not harvested and not pastured.....farms reporting..	.....	.....	.....	.....	.....	4	1
31	.....acres..	.....	.....	.....	.....	.....	66	53
Irrigated farms by acres irrigated in 1949:								
32	1-9 acres.....farms reporting..	.....	.....	5	2	2	4	1
33	10-19 acres.....farms reporting..	.....	.....	.....	1	.....	8	1
34	20-29 acres.....farms reporting..	1	2	.....	.....	.....	10	.....
35	30-49 acres.....farms reporting..	2	1	.....	.....	.....	19	.....
36	50-99 acres.....farms reporting..	2	2	.....	2	.....	19	1
37	100-199 acres.....farms reporting..	2	.....	.....	.....	.....	2	.....
38	200 acres and over.....farms reporting..	.....	.....	.....	.....	1	.....	.....
Irrigated farms by tenure of operator, 1950:								
39	Full owners.....number..	1	.....	5	.....	1	17	2
40	Part owners.....number..	3	2	.....	2	2	35	1
41	Managers.....number..	.....	.....	.....	2	.....	.....	.....
42	Tenants.....number..	3	3	.....	1	.....	10	.....
Land in wholly and in partly irrigated farms:								
43	Wholly irrigated farms.....number 1950..	.....	.....	.....	1	1	1	2
44	All land.....acres 1950..	.....	.....	.....	206	680	60	30
45	Cropland harvested.....acres 1949..	.....	.....	.....	53	120	30	19
46	Irrigated land.....acres 1949..	.....	.....	.....	53	384	30	19
47	Partly irrigated farms.....number 1950..	7	5	5	4	2	61	1
48	All land.....acres 1950..	2,995	4,102	170	423	600	28,478	627
49	Cropland harvested, total.....farms reporting 1949..	7	5	4	4	2	61	1
50	.....acres 1949..	1,443	1,480	117	302	253	16,250	416
51	Irrigated land.....acres 1949..	510	195	21	99	8	2,481	53
52	Irrigated cropland harvested.....farms reporting 1949..	7	4	4	4	2	57	.....
53	.....acres 1949..	510	195	20	99	8	2,355	.....
Characteristics of wholly irrigated and nonirrigated farms:								
54	Wholly irrigated farms.....number 1950..	.....	.....	.....	1	1	1	2
Average acreage per farm:								
55	All land.....acres 1949..	.....	.....	.....	206.0	680.0	60.0	15.0
56	Cropland harvested.....acres 1949..	.....	.....	.....	53.0	120.0	30.0	9.5
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	.....	.....	.....	.....	.....	.....	.....
58	Vegetables harvested for sale.....acres 1949..	.....	.....	.....	.....	.....	.....	.....
59	Small grains (including sorghums).....acres 1949..	.....	.....	.....	.....	90.0	20.0	.....
60	All hay.....acres 1949..	.....	.....	.....	.....	25.0	10.0	.....
Farms by tenure of operator:								
61	Full owners and managers.....number 1950..	.....	.....	.....	1	.....	1	2
62	Part owners.....number 1950..	.....	.....	.....	.....	1	.....	.....
63	Tenants.....number 1950..	.....	.....	.....	.....	.....	.....	.....
64	Value of land and buildings per farm.....dollars 1950..	.....	.....	.....	50,000	.....	.....	16,200
65	Nonirrigated farms.....number 1950..	1,286	1,613	2,949	1,180	949	934	1,274
Average acreage per farm:								
66	All land.....acres 1949..	408.3	298.8	272.3	286.3	565.9	453.7	305.4
67	Cropland harvested.....acres 1949..	154.5	105.3	166.6	104.4	233.4	284.1	172.6
68	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	(¹)	0.2	0.2	0.1	(¹)	(¹)	(¹)
69	Vegetables harvested for sale.....acres 1949..	(¹)	0.1	0.1	0.1	(¹)	.....	(¹)
70	Small grains (including sorghums).....acres 1949..	94.7	37.3	148.9	44.7	204.5	272.1	143.6
71	All hay.....acres 1949..	12.0	28.9	11.3	25.4	4.5	3.0	14.3
Farms by tenure of operator:								
72	Full owners and managers.....number 1950..	413	717	991	563	215	206	429
73	Part owners.....number 1950..	474	438	1,002	271	393	345	436
74	Tenants.....number 1950..	399	458	956	346	341	383	409
75	Value of land and buildings per farm.....dollars 1950..	15,685	18,311	30,729	20,960	29,431	40,579	32,540
Irrigated farms and irrigated land by origin of water, 1949:								
Individually operated supply works and—								
76	No other irrigation enterprise.....farms reporting..	7	4	4	5	3	61	2
77	.....acres irrigated..	510	170	20	152	392	2,451	19
78	1 other irrigation enterprise.....farms reporting..	.....	.....	.....	.....	.....	.....	.....
79	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
80	2 or more other irrigation enterprises.....farms reporting..	.....	.....	.....	.....	.....	.....	.....
81	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
No individually operated supply works but—								
82	1 other irrigation enterprise.....farms reporting..	.....	1	1	.....	.....	1	1
83	.....acres irrigated..	.....	25	1	.....	.....	60	53
84	2 or more other irrigation enterprises.....farms reporting..	.....	.....	.....	.....	.....	.....	.....
85	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....

¹ Less than 0.05.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 1 of 4)--IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises.

Item (For definitions and explanations, see text)		The State	Barton	Cheyenne	Cowley	Decatur	Edwards	Ellis
ALL ENTERPRISES								
Farms and land irrigated:								
1	All irrigation enterprises.....enterprises 1950..	962	28	9	3	6	10	12
2	..... 1940..	1,066	27	7	4	27	34	6
3	Intercounty enterprises.....enterprises 1950..	4						
4	Irrigated farms ¹.....farms 1950..	1,166	30	9	4	8	5	11
5	Average per enterprise.....farms 1950..	1.2	1.1	1.0	1.3	1.3	0.5	0.9
6	Farms irrigated direct per enterprise ².....farms 1950..	1.3	1.0	1.0	1.0	1.0	0.4	1.0
7	Irrigated land ¹.....acres 1949..	140,992	1,647	432	24	201	260	352
8	.....acres 1939..	99,980	988	312	58	633	924	50
9	Average per irrigated farm.....acres 1949..	120.9	54.9	48.0	6.0	25.1	52.0	32.0
10	Average per enterprise.....acres 1949..	147	59	48	8	34	26	29
11	Average acreage irrigated direct per enterprise ².....acres 1949..	161	59	48	8	34	26	29
Type of enterprise, 1950:								
12	Single-farm.....enterprises..	951	28	9	3	6	10	12
13	.....acres irrigated..	108,801	1,647	432	24	201	260	352
Mutual:								
14	Unincorporated.....enterprises..	3						
15	.....acres irrigated..	2,013						
16	Incorporated.....enterprises..	8						
17	.....acres irrigated..	43,920						
18	Commercial.....enterprises..							
19	.....acres irrigated..							
20	District.....enterprises..							
21	.....acres irrigated..							
22	U. S. Bureau of Reclamation.....enterprises..							
23	.....acres irrigated..							
24	U. S. Bureau of Indian Affairs.....enterprises..							
25	.....acres irrigated..							
26	State.....enterprises..							
27	.....acres irrigated..							
28	City.....enterprises..							
29	.....acres irrigated..							
Use of surface, ground, pumped and stored water, 1949:								
Surface water:								
30	Gravity only.....enterprises reporting..	23						
31	.....acres irrigated..	46,652						
32	Pumped only.....enterprises reporting..	91	1		1			12
33	.....acres irrigated..	3,984	25		10			352
34	Gravity and pumped.....enterprises reporting..	1						
35	.....acres irrigated..	300						
36	Ground water only (pumped from wells).....enterprises reporting..	776	24	9	2	6	10	
37	.....acres irrigated..	92,171	1,495	432	14	201	260	
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	71	3					
39	.....acres irrigated..	11,627	127					
Stored water:								
40	None stored.....enterprises reporting..	919	28	8	2	6	10	11
41	.....acres irrigated..	132,856	1,647	422	14	201	260	262
42	Part stored.....enterprises reporting..	30						
43	.....acres irrigated..	20,788						
44	All stored.....enterprises reporting..	13		1	1			1
45	.....acres irrigated..	1,090		10	10			90
Sources of surface water, 1949: ⁴								
46	Streams (and lakes).....enterprises reporting..	181	4					12
47	.....acres irrigated..	62,443	152					352
48	Springs.....enterprises reporting..	5			1			
49	.....acres irrigated..	329			10			
50	Flowing wells.....enterprises reporting..	3						
51	.....acres irrigated..	487						
52	Drainage water.....enterprises reporting..	2						
53	.....acres irrigated..	2,118						
54	Sewage.....enterprises reporting..	1						1
55	.....acres irrigated..	55						55
56	Other sources.....enterprises reporting..							
57	.....acres irrigated..							
Drainage of irrigated land: ⁵								
Irrigated land drained:								
58	Enterprises reporting.....enterprises 1949..	37	12					
59	Area supplied primary irrigation.....acres 1949..	2,701	919					
60	Area artificially drained.....acres 1949..	1,899	780					
61	.....acres 1939..	1,959				(*)	273	
Irrigated land in need of drainage:								
62	Enterprises reporting.....enterprises 1949..	17	6					
63	Area supplied primary irrigation.....acres 1949..	8,139	294					
64	Area in need of drainage.....acres 1949..	557	95					
65	.....acres 1939..	240						

See footnotes at end of County Table 2, Part 1.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 1 of 4).--IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises,

Item (For definitions and explanations, see text)		Morton	Ness	Norton	Osborne	Pawnee	Phillips	Riley
ALL ENTERPRISES								
Farms and land irrigated:								
1	All irrigation enterprises.....enterprises 1950..	3	11	8	18	55	4	4
2	..... 1940..	(*)	45	9	3	71	4	(*)
3	Intercounty enterprises.....enterprises 1950..							
4	Irrigated farms ¹.....farms 1950..	3	11	12	18	49	7	5
5	Average per enterprise.....farms 1950..	1.0	1.0	1.5	1.0	0.9	1.8	1.2
6	Farms irrigated direct per enterprise ².....farms 1950..	1.0	1.0	1.0	1.1	0.9	1.0	1.0
7	Irrigated land ¹.....acres 1949..	925	572	183	934	3,630	400	144
8	..... acres 1939..	(*)	2,023	420	125	5,205	73	(*)
9	Average per irrigated farm.....acres 1949..	308.3	52.0	15.2	51.9	74.1	57.1	28.8
10	Average per enterprise.....acres 1949..	308	52	23	52	66	100	36
11	Average acreage irrigated direct per enterprise ².....acres 1949..	308	52	23	52	66	100	36
Type of enterprise, 1950:								
12	Single-farm.....enterprises..	3	11	8	18	55	4	4
13	..... acres irrigated..	925	572	183	934	3,630	400	144
Mutual:								
14	Unincorporated.....enterprises..							
15	..... acres irrigated..							
16	Incorporated.....enterprises..							
17	..... acres irrigated..							
18	Commercial.....enterprises..							
19	..... acres irrigated..							
20	District.....enterprises..							
21	..... acres irrigated..							
22	U. S. Bureau of Reclamation.....enterprises..							
23	..... acres irrigated..							
24	U. S. Bureau of Indian Affairs.....enterprises..							
25	..... acres irrigated..							
26	State.....enterprises..							
27	..... acres irrigated..							
28	City.....enterprises..							
29	..... acres irrigated..							
Use of surface, ground, pumped and stored water, 1949:								
Surface water:								
30	Gravity only.....enterprises reporting..				2			
31	..... acres irrigated..				22			
32	Pumped only.....enterprises reporting..		1	7	15	8	3	
33	..... acres irrigated..		28	171	897	566	360	
34	Gravity and pumped.....enterprises reporting..							
35	..... acres irrigated..							
36	Ground water only (pumped from wells).....enterprises reporting..	3	10	1	1	41	1	4
37	..... acres irrigated..	925	544	12	15	2,097	40	144
38	Surface (gravity or pumped) and ground water.....enterprises reporting..					6		
39	..... acres irrigated..					967		
Stored water:								
40	None stored.....enterprises reporting..	3	10	8	18	53	4	4
41	..... acres irrigated..	925	437	183	934	3,230	400	144
42	Part stored.....enterprises reporting..					1		
43	..... acres irrigated..							
44	All stored.....enterprises reporting..		1			1		
45	..... acres irrigated..		135			400		
Sources of surface water, 1949: ⁴								
46	Streams (and lakes).....enterprises reporting..		1	7	17	14	3	
47	..... acres irrigated..		28	171	919	1,533	360	
48	Springs.....enterprises reporting..							
49	..... acres irrigated..							
50	Flowing wells.....enterprises reporting..							
51	..... acres irrigated..							
52	Drainage water.....enterprises reporting..							
53	..... acres irrigated..							
54	Sewage.....enterprises reporting..							
55	..... acres irrigated..							
56	Other sources.....enterprises reporting..							
57	..... acres irrigated..							
Drainage of irrigated land: ⁵								
Irrigated land drained:								
58	Enterprises reporting.....enterprises 1949..		3		9	3		2
59	Area supplied primary irrigation.....acres 1949..		139		701	257		90
60	Area artificially drained.....acres 1949..		94		701	43		90
61	..... acres 1939..	(*)	234			761	61	(*)
Irrigated land in need of drainage:								
62	Enterprises reporting.....enterprises 1949..				2	3		
63	Area supplied primary irrigation.....acres 1949..				40	134		
64	Area in need of drainage.....acres 1949..				40	29		
65	..... acres 1939..	(*)	45				50	(*)

*Not available.

¹Farms or acres irrigated direct by 2 or more enterprises are counted only once. Number of irrigated farms is from the U.S. Census of Agriculture. Acreage irrigated is from the Census of Irrigation and therefore differs from acreage irrigated shown in County Table 1. (See text).

²Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise.

³Data for less than 3 enterprises not shown separately.

⁴Enterprises reporting water from more than 1 source are counted for each.

⁵For intercounty and interstate enterprises, data represent characteristics within the county or State.

CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county or State, except where otherwise noted]

Rush	Saline	Scott	Sedgwick	Seward	Shawnee	Sheridan	Sherman	Stanton	Stevens	Wallace	Washington	Wichita	All other counties	
61	3	92	39	4	8	3	4	26	11	5	4	42	29	1
50	7	70	(*)	(*)	25	6	(*)	1	(*)	8	9	13	(*)	2
62	3	91	37	4	9	3	4	28	11	5	4	39	71	3
1.0	1.0	1.0	0.9	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.0	0.9	2.4	4
1.0	1.3	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5
2,545	111	23,432	284	857	95	44	293	4,839	1,615	210	255	5,286	948	6
1,529	175	13,389	(*)	(*)	433	70	(*)	319	(*)	365	257	448	(*)	7
41.0	37.0	257.5	7.7	214.2	19.6	14.7	73.2	172.8	146.8	42.0	63.8	135.5	13.4	8
42	37	255	7	214	12	15	73	186	147	42	64	126	33	9
42	37	255	7	214	12	15	73	186	147	42	64	126	33	10
61	2	92	39	4	8	3	4	26	11	5	4	42	29	11
2,545	(3)	23,432	284	857	95	44	293	4,839	1,615	210	255	5,286	948	12
	1													13
	(3)													14
														15
														16
														17
														18
														19
														20
														21
														22
														23
														24
														25
														26
														27
														28
														29
1	1													30
14	8												184	31
8	2					1					4		13	32
189	103					5					255		357	33
														34
42		92	39	4	8	2	4	26	11	5		42	14	35
1,802		23,432	284	857	95	39	293	4,839	1,615	210		5,286	497	36
10														37
540														38
														39
58	3	91	39	3	8	3	4	26	11	5	4	42	27	40
2,417	111	23,282	284	777	95	44	293	4,839	1,615	210	255	5,286	942	41
1				1										42
22				80										43
2		1												44
106		150												45
														46
19	3					1					4		15	47
743	111					5					255		541	48
													1	49
													24	50
														51
														52
														53
														54
														55
														56
														57
		1				1								58
		50				25								59
		50				5							14	60
	(*)		(*)	(*)	(*)		(*)		(*)				(*)	61
			1											62
			40											63
			1											64
(*)			(*)	(*)			(*)		(*)	(*)			(*)	65

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS,

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty enterprises,

Item (For definitions and explanations, see text)	The State	Barton	Cheyenne	Cowley	Decatur	Edwards	Ellis
ALL ENTERPRISES							
Irrigation works:							
1 Diversion dams.....enterprises reporting 1950..	74			1			10
2 Diversion dams.....dams 1950..	127			1			15
3 Diversion dams.....dams 1940..	102				4		
Diversion dams by material:							
4 Concrete or masonry.....dams 1950..	49			1			
5 Timber.....dams 1950..	3						
6 Earth and rock.....dams 1950..	34						4
7 Other, mixed, and not reported.....dams 1950..	41						11
Reservoirs.....enterprises reporting 1950..							
8 Reservoirs.....reservoirs 1950..	44		1	1			1
9 Reservoirs.....reservoirs 1940..	48		1	1			3
10 Reservoirs.....reservoirs 1940..	80		1	2			
11 Reservoirs for which capacity was reported.....reservoirs 1950..	42		1	1			3
12 Reservoirs.....total capacity, acre-feet 1950..	25,505		1	50			25
13 Reservoirs.....total capacity, acre-feet 1940..	32,584		(*)	(*)			
Reservoirs by capacity:							
14 1-99 acre-feet.....reservoirs 1950..	39		1	1			3
15 100-199 acre-feet.....reservoirs 1950..	1						
16 1,000 acre-feet and over.....reservoirs 1950..	2						
Reservoir dams by material:							
17 Concrete or masonry.....dams 1950..	9			1			
18 Earth and rock.....dams 1950..	34		1				3
19 Other, mixed, and not reported.....dams 1950..	5						
Canals and ditches.....enterprises reporting 1950..							
20 Canals and ditches.....total length, miles 1950..	148	0			1		6
21 Canals and ditches.....total length, miles 1940..	542	9			1		4
22 Canals and ditches.....total length, miles 1940..	292				1		
Pipelines and siphons².....enterprises reporting 1950..							
23 Pipelines and siphons.....total length, miles 1950..	26	3			1		1
24 Pipelines and siphons.....total length, miles 1950..	13	2			1		(1)
25 Pipelines and siphons.....total length, miles 1940..	24	1	(1)	1	3		
Tunnels.....enterprises reporting 1950..							
26 Tunnels.....total length, feet 1950..							
27 Tunnels.....total length, feet 1950..							
Flowing wells.....enterprises reporting 1950..							
28 Flowing wells.....wells 1950..	3						
29 Flowing wells.....wells 1950..	11						
30 Flowing wells.....wells 1940..	24						
Pumped wells.....enterprises reporting 1950..							
31 Pumped wells.....wells 1950..	845	27	9	2	6	10	
32 Pumped wells.....wells 1950..	1,343	27	15	3	6	13	
33 Pumped wells.....wells 1940..	1,638	21	21	3	15	43	
34 Wells for which pumping lift was reported.....wells 1949..	1,196	25	13	3	6	13	
35 Average pumping lift.....feet 1949..	60	47	56	62	65	30	
36 Average pumping lift.....feet 1939..	38	38	77	31	54	22	
Irrigation pumps.....enterprises reporting 1950..							
37 Irrigation pumps.....pumps 1950..	935	28	9	3	6	10	12
38 Irrigation pumps.....pumps 1950..	1,310	30	11	4	6	14	14
39 Irrigation pumps.....pumping plants 1940..	1,222	30	7	4	27	41	7
Electric motors used for pumping.....enterprises reporting 1950..							
40 Electric motors used for pumping.....electric motors 1950..	348	17		2			2
41 Electric motors used for pumping.....electric motors 1950..	465	17		2			2
Other motors and engines used for pumping.....enterprises reporting 1950..							
42 Other motors and engines used for pumping.....other motors and engines 1950..	624	12	9	2	5	10	12
43 Other motors and engines used for pumping.....other motors and engines 1950..	807	13	10	2	5	13	12
Season of irrigation, 1949:							
44 Water delivered only before July 1.....enterprises reporting..	19						
45 Water delivered only before July 1.....acres irrigated..	1,685						
46 Water delivered before and after July 1.....enterprises reporting..	604	6	5	2	1	3	10
47 Water delivered before and after July 1.....acres irrigated..	127,202	687	240	11	12	255	243
48 Water delivered only after July 1.....enterprises reporting..	264	21	4	1	5	1	2
49 Water delivered only after July 1.....acres irrigated..	19,560	935	192	13	189	5	109
Capital investment:							
50 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	2,153,886	23,938	18,060	2,325	20,585	23,216	1,700
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51 Enterprises reporting.....enterprises 1950..	619	27	9	2	3	7	11
52 Amount.....dollars 1950..	3,728,379	98,451	20,500	700	1,100	11,040	20,144
53 Area irrigated direct.....acres 1949..	73,539	1,547	432	14	57	150	342
54 Total capital investment Jan. 1, 1950.....dollars 1950..	5,882,265	122,389	38,560	3,025	21,685	34,256	21,844
Indebtedness:³							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
55 Enterprises reporting.....enterprises 1950..	1						
56 Amount.....dollars 1950..	2,000						
57 Amount.....dollars 1940..	43,775						
58 Area irrigated direct.....acres 1949..	1,622						
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
59 Enterprises reporting.....enterprises 1950..							
60 Amount.....dollars 1950..							
61 Area irrigated direct.....acres 1949..							

See footnotes at end of County Table 2, Part 2.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS,

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in State total. For intercounty enterprises.]

Item (For definitions and explanations, see text)		Morton	Ness	Norton	Osborne	Pawnee	Phillips	Riley
ALL ENTERPRISES								
Irrigation works:								
1	Diversion dams.....enterprises reporting 1950..			6	1	6	2	
2	Diversion dams.....dams 1950..			6	1	6	2	
3	Diversion dams.....dams 1940..	(*)	8			6	3	(*)
Diversion dams by material:								
4	Concrete or masonry.....dams 1950..					3		
5	Timber.....dams 1950..			1				
6	Earth and rock.....dams 1950..			1	1	2	1	
7	Other, mixed, and not reported.....dams 1950..			4		1	1	
8	Reservoirs.....enterprises reporting 1950..					3		
9	Reservoirs.....reservoirs 1950..					3		
10	Reservoirs.....reservoirs 1940..	(*)	3	6		5		(*)
11	Reservoirs for which capacity was reported.....reservoirs 1950..					2		
12	Reservoirs for which capacity was reported.....total capacity, acre-feet 1950..					5,004		
13	Reservoirs for which capacity was reported.....total capacity, acre-feet 1940..	(*)	16	162		216		(*)
Reservoirs by capacity:								
14	1-99 acre-feet.....reservoirs 1950..					1		
15	100-999 acre-feet.....reservoirs 1950..							
16	1,000 acre-feet and over.....reservoirs 1950..					1		
Reservoir dams by material:								
17	Concrete or masonry.....dams 1950..					2		
18	Earth and rock.....dams 1950..					1		
19	Other, mixed, and not reported.....dams 1950..							
20	Canals and ditches.....enterprises reporting 1950..		7	1	4	5	1	
21	Canals and ditches.....total length, miles 1950..		5	1	2	16	1	
22	Canals and ditches.....total length, miles 1940..	(*)	3		(1)	11		(*)
23	Pipelines and siphons ².....enterprises reporting 1950..			(1)	3	1	1	1
24	Pipelines and siphons ².....total length, miles 1950..			(1)	(1)	(1)	(1)	3
25	Pipelines and siphons ².....total length, miles 1940..	(*)		1	1	(1)	(1)	(*)
26	Tunnels.....enterprises reporting 1950..							
27	Tunnels.....total length, feet 1950..							
28	Flowing wells.....enterprises reporting 1950..							
29	Flowing wells.....wells 1950..							
30	Flowing wells.....wells 1940..	(*)						(*)
31	Pumped wells.....enterprises reporting 1950..	3	10	2	1	45	1	4
32	Pumped wells.....wells 1950..	6	12	2	2	58	1	10
33	Pumped wells.....wells 1940..	(*)	35	4		75	2	(*)
34	Wells for which pumping lift was reported.....wells 1949..	4	8		2	52	1	10
35	Wells for which pumping lift was reported.....average pumping lift, feet 1949..	132	21		20	39	83	30
36	Wells for which pumping lift was reported.....average pumping lift, feet 1939..	(*)	38	22		34	(*)	(*)
37	Irrigation pumps.....enterprises reporting 1950..	3	11	8	16	55	4	4
38	Irrigation pumps.....pumps 1950..	6	13	9	23	81	6	8
39	Irrigation pumps.....pumps 1940..	(*)	52	12	3	87	4	(*)
40	Electric motors used for pumping.....enterprises reporting 1950..		1			26		3
41	Electric motors used for pumping.....electric motors 1950..		1			31		5
42	Other motors and engines used for pumping.....enterprises reporting 1950..	3	9	7	17	37	4	3
43	Other motors and engines used for pumping.....other motors and engines 1950..	6	10	8	23	49	4	4
Season of irrigation, 1949:								
44	Water delivered only before July 1.....enterprises reporting..	1	1		1			
45	Water delivered only before July 1.....acres irrigated..	265	70		15			
46	Water delivered before and after July 1.....enterprises reporting..	1	4	2	2	21		2
47	Water delivered before and after July 1.....acres irrigated..	640	105	70	35	1,863		63
48	Water delivered only after July 1.....enterprises reporting..	1	5	6	14	22	4	2
49	Water delivered only after July 1.....acres irrigated..	20	262	113	882	1,297	400	81
Capital investment:								
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	(*)	28,330	8,469	4,660	112,238	1,400	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950:								
51	Enterprises reporting.....enterprises 1950..	1	4	5	11	32	4	3
52	Enterprises reporting.....amount.....dollars 1950..	25,000	11,490	9,550	32,300	81,452	13,500	4,200
53	Area irrigated direct.....acres 1949..	640	234	114	701	1,762	400	134
54	Total capital investment Jan. 1, 1950.....dollars 1950..	(*)	39,820	18,019	36,960	193,690	14,900	(*)
Indebtedness: ³								
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
55	Enterprises reporting.....enterprises 1950..							
56	Enterprises reporting.....amount.....dollars 1950..							
57	Enterprises reporting.....amount.....dollars 1940..	(*)						(*)
58	Area irrigated direct.....acres 1949..							
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
59	Enterprises reporting.....enterprises 1950..							
60	Enterprises reporting.....amount.....dollars 1950..							
61	Area irrigated direct.....acres 1949..							

*Not available.

¹Less than 0.5.²Pipelines in farm-distribution systems were included in 1940, not included in 1950.³Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are included in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises,

Item (For definitions and explanations, see text)	The State	Barton	Cheyenne	Cowley	Decatur	Edwards	Ellis
ALL ENTERPRISES							
Cost of water to farms, 1949:¹							
Total cost of water to farms:							
1 Enterprises reporting.....enterprises..	932	28	9	3	6	4	12
2 Cost.....dollars..	370,231	5,087	2,300	224	1,488	273	1,178
3 Area irrigated direct.....acres..	154,734	1,647	432	24	201	260	352
4 Cost per acre irrigated direct.....dollars..	2.39	3.09	5.32	9.33	7.40	1.05	3.35
5 Total cost per irrigated acre.....dollars..	2.63	3.09	5.32	9.33	7.40	1.05	3.35
6 Total cost per acre-foot of water.....dollars..	1.55	(³)	(³)	(³)	(³)	(³)	(³)
Enterprises by cost per acre:							
7 Less than \$1.00.....enterprises reporting..	151	5			1	1	1
8 ..acres irrigated..	40,479	369			70	150	90
9 \$1.00-\$1.99.....enterprises reporting..	205	7	2			1	
10 ..acres irrigated..	68,258	463	150			30	
11 \$2.00-\$4.99.....enterprises reporting..	305	9	2		2	1	6
12 ..acres irrigated..	33,363	616	90		82	75	175
13 \$5.00-\$9.99.....enterprises reporting..	155	3	4				4
14 ..acres irrigated..	9,469	85	182	13			85
15 \$10.00 and over.....enterprises reporting..	116	4	1	2	3	1	1
16 ..acres irrigated..	3,165	114	10	11	49	5	2
Cost of water for primary irrigation:							
17 Enterprises reporting.....enterprises..	891	28	9	3	6	4	12
18 Cost.....dollars..	355,832	5,087	2,300	224	1,488	273	1,178
19 Area supplied primary irrigation.....acres..	140,992	1,647	432	24	201	260	352
20 Cost per acre supplied.....dollars..	2.52	3.09	5.32	9.33	7.40	1.05	3.35
Cost of water for supplemental irrigation:							
21 Enterprises reporting.....enterprises..	49						
22 Cost.....dollars..	14,399						
23 Area supplied supplemental irrigation.....acres..	13,742						
24 Cost per acre supplied.....dollars..	1.05						
Cost to farms for purposes other than operation and maintenance:⁴							
25 Enterprises reporting.....enterprises..							
26 Cost.....dollars..							
27 Area irrigated direct.....acres..							
28 Cost per acre irrigated.....dollars..							
Arrearage in payments by farms, Jan. 1, 1950:⁴							
29 Enterprises reporting.....enterprises..	5						
30 Amount.....dollars..	4,875						
31 Area irrigated direct.....acres..	33,032						
SINGLE-FARM ENTERPRISES, 1950							
32 Single-farm enterprises.....enterprises..	951	28	9	3	6	10	12
33 Area irrigated.....acres..	108,801	1,647	432	24	201	260	352
34 Complete-system enterprises ⁶.....enterprises..	891	28	9	3	6	4	12
35 Area irrigated.....acres..	103,146	1,647	432	24	201	260	352
Other farms irrigated:							
36 Enterprises reporting.....number..	17	1					
37 Number of other farms.....farms..	22	1					
38 Area irrigated in other farms.....acres..	723	14					
Enterprises by origin of water supply:⁶							
39 No water from other enterprises.....enterprises reporting..	921	28	9	3	6	10	12
40 ..acres irrigated..	103,146	1,647	432	24	201	260	352
41 Part of water from other enterprises.....enterprises reporting..	28						
42 ..acres irrigated..	5,376						
43 All of water from other enterprises.....enterprises reporting..	2						
44 ..acres irrigated..	279						
Enterprises by primary and supplemental irrigation:							
45 All primary.....enterprises reporting..	876	28	9	3	6	4	12
46 ..acres irrigated..	97,160	1,647	432	24	201	260	352
47 Part primary, part supplemental.....enterprises reporting..	4						
48 Primary irrigation.....acres irrigated..	691						
49 Supplemental irrigation.....acres irrigated..	741						
50 All supplemental.....enterprises reporting..	41						
51 ..acres irrigated..	10,209						
Enterprises by number of acres irrigated:⁶							
52 None.....enterprises reporting..	30					6	
53 1-9 acres.....enterprises reporting..	107	1		1	1	1	3
54 10-29 acres.....enterprises reporting..	153	8	2	2	3		5
55 30-59 acres.....enterprises reporting..	177	9	5			1	2
56 60-99 acres.....enterprises reporting..	140	6	1		2	1	2
57 100-199 acres.....enterprises reporting..	195	3	1			1	
58 200-499 acres.....enterprises reporting..	115	1					
59 500-999 acres.....enterprises reporting..	29						
60 1,000 acres or more.....enterprises reporting..	5						

See footnotes at end of County Table 2, Part 3.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Intercounty enterprises are included in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises,

Item (For definitions and explanations, see text)		Morton	Ness	Norton	Osborne	Pawnee	Phillips	Riley
ALL ENTERPRISES								
Cost of water to farms, 1949: ¹								
Total cost of water to farms:								
1	Enterprises reporting.....enterprises..	3	11	8	18	46	4	4
2	Cost.....dollars..	1,300	2,761	684	3,888	14,955	835	1,351
3	Area irrigated direct.....acres..	925	572	183	934	3,630	400	144
4	Cost per acre irrigated direct.....dollars..	1.41	4.83	3.74	4.16	4.12	2.09	9.38
5	Total cost per irrigated acre.....dollars..	1.41	4.83	3.74	4.16	4.12	2.09	9.38
6	Total cost per acre-foot of water ².....dollars..	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Enterprises by cost per acre:								
7	Less than \$1.00.....enterprises reporting..	2	.....	1	5	5	1	1
8	.....acres irrigated..	285	.....	50	144	861	150	10
9	\$1.00-\$1.99.....enterprises reporting..	.....	2	1	1	8	.....	.....
10	.....acres irrigated..	.....	70	12	200	666	.....	.....
11	\$2.00-\$4.99.....enterprises reporting..	1	4	3	7	17	2	.....
12	.....acres irrigated..	640	280	80	182	1,158	210	.....
13	\$5.00-\$9.99.....enterprises reporting..	.....	4	1	4	8	1	1
14	.....acres irrigated..	.....	197	2	394	615	40	80
15	\$10.00 and over.....enterprises reporting..	.....	1	2	1	8	.....	2
16	.....acres irrigated..	.....	25	32	14	330	.....	54
Cost of water for primary irrigation:								
17	Enterprises reporting.....enterprises..	3	11	8	18	46	4	4
18	Cost.....dollars..	1,300	2,761	684	3,888	14,955	835	1,351
19	Area supplied primary irrigation.....acres..	925	572	183	934	3,630	400	144
20	Cost per acre supplied.....dollars..	1.41	4.83	3.74	4.16	4.12	2.09	9.38
Cost of water for supplemental irrigation:								
21	Enterprises reporting.....enterprises..	.....	.....	.....	.....	.....	.....	.....
22	Cost.....dollars..	.....	.....	.....	.....	.....	.....	.....
23	Area supplied supplemental irrigation.....acres..	.....	.....	.....	.....	.....	.....	.....
24	Cost per acre supplied.....dollars..	.....	.....	.....	.....	.....	.....	.....
Cost to farms for purposes other than operation and maintenance: ⁴								
25	Enterprises reporting.....enterprises..	.....	.....	.....	.....	.....	.....	.....
26	Cost.....dollars..	.....	.....	.....	.....	.....	.....	.....
27	Area irrigated direct.....acres..	.....	.....	.....	.....	.....	.....	.....
28	Cost per acre irrigated.....dollars..	.....	.....	.....	.....	.....	.....	.....
Arrearage in payments by farms, Jan. 1, 1950: ⁴								
29	Enterprises reporting.....enterprises..	.....	.....	.....	.....	.....	.....	.....
30	Amount.....dollars..	.....	.....	.....	.....	.....	.....	.....
31	Area irrigated direct.....acres..	.....	.....	.....	.....	.....	.....	.....
SINGLE-FARM ENTERPRISES, 1950								
32	Single-farm enterprises.....enterprises..	3	11	8	18	55	4	4
33	Area irrigated.....acres..	925	572	183	934	3,630	400	144
34	Complete-system enterprises ⁶.....enterprises..	3	11	8	18	46	4	4
35	Area irrigated.....acres..	925	572	183	934	3,630	400	144
Other farms irrigated:								
36	Enterprises reporting.....number..	.....	.....	.....	2	2	.....	.....
37	Number of other farms.....farms..	.....	.....	.....	2	4	.....	.....
38	Area irrigated in other farms.....acres..	.....	.....	.....	70	95	.....	.....
Enterprises by origin of water supply: ⁶								
39	No water from other enterprises.....enterprises reporting..	3	11	8	18	55	4	4
40	.....acres irrigated..	925	572	183	934	3,630	400	144
41	Part of water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
42	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
43	All of water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
44	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation:								
45	All primary.....enterprises reporting..	3	11	8	18	46	4	4
46	.....acres irrigated..	925	572	183	934	3,630	400	144
47	Part primary, part supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
48	Primary irrigation.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
49	Supplemental irrigation.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
50	All supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
51	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
Enterprises by number of acres irrigated: ⁶								
52	None.....enterprises reporting..	.....	.....	.....	.....	9	.....	.....
53	1-9 acres.....enterprises reporting..	.....	.....	1	2	4	.....	1
54	10-29 acres.....enterprises reporting..	1	3	4	8	8	.....	1
55	30-59 acres.....enterprises reporting..	.....	5	3	5	11	2	1
56	60-99 acres.....enterprises reporting..	.....	2	.....	1	11	.....	1
57	100-199 acres.....enterprises reporting..	.....	1	.....	.....	8	2	.....
58	200-499 acres.....enterprises reporting..	1	.....	.....	2	4	.....	.....
59	500-999 acres.....enterprises reporting..	1	.....	.....	.....	.....	.....	.....
60	1,000 acres or more.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....

¹Enterprises with reported cost of \$0 in 1949 are included.

²Average cost per irrigated acre divided by calculated average quantity of water per acre.

³Average not given because number of enterprises reporting quantity of water was not sufficient to provide satisfactory data.

⁴Not reported by single-farm enterprises.

⁵Data for less than 3 enterprises not shown separately.

⁶For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 4 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)		The State	Finney	Ford and Saline	Hamilton	Kearney
MULTIPLE-FARM ENTERPRISES, 1950						
1	Multiple-farm enterprises, total number ¹.....enterprises..	11	4	3	3	3
2	Area irrigated direct.....acres..	45,933	27,054	466	4,578	13,835
3	Multiple-purpose enterprises ¹.....enterprises..	.....	.....	.....	.....	.....
4	Area irrigated direct.....acres..	.....	.....	.....	.....	.....
5	Complete-system enterprises ¹.....enterprises..	6	1	2	3	.....
6	Area irrigated direct.....acres..	13,023	8,054	391	4,578	.....
Enterprises by origin of water supply:¹						
7	No water from other enterprises.....enterprises reporting..	10	4	2	3	3
8	.....acres irrigated..	45,633	27,054	166	4,578	13,935
9	Part of water from other enterprises.....enterprises reporting..	1	.....	1	.....	.....
10	.....acres irrigated..	300	.....	300	.....	.....
11	All water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	.....
12	.....acres irrigated..	.....	.....	.....	.....	.....
Enterprises by delivery of irrigation water:¹						
13	No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....
14	Water delivered direct to farms only.....enterprises reporting..	4	.....	2	2	.....
15	.....acres irrigated..	3,281	.....	391	2,890	.....
16	Water delivered to farms and to other enterprises.....enterprises reporting..	7	4	1	1	3
17	.....acres irrigated..	42,652	27,054	75	1,688	13,835
18	Water delivered to other enterprises only.....enterprises reporting..	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation:²						
19	All primary.....enterprises reporting..	7	1	3	3	2
20	.....acres irrigated..	13,179	800	466	4,578	7,335
21	Part primary, part supplemental.....enterprises reporting..	4	3	.....	.....	1
22	Primary irrigation.....acres irrigated..	29,962	23,912	.....	.....	6,050
23	Supplemental irrigation.....acres irrigated..	2,792	2,342	.....	.....	450
24	All supplemental.....enterprises reporting..	.....	.....	.....	.....	.....
25	.....acres irrigated..	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct:¹						
26	None.....enterprises reporting..	.....	.....	.....	.....	.....
27	1-3.....enterprises reporting..	1	.....	1	.....	.....
28	4-9.....enterprises reporting..	3	.....	2	1	.....
29	10-29.....enterprises reporting..	3	.....	.....	2	.....
30	30-99.....enterprises reporting..	4	1	.....	.....	3
31	100-299.....enterprises reporting..	.....	.....	.....	.....	.....
32	300-999.....enterprises reporting..	.....	.....	.....	.....	.....
33	1,000 or more.....enterprises reporting..	.....	.....	.....	.....	.....
Enterprises by acres irrigated direct:¹						
34	None.....enterprises reporting..	.....	.....	.....	.....	.....
35	1-99 acres.....enterprises reporting..	2	.....	2	.....	.....
36	100-999 acres.....enterprises reporting..	4	.....	1	.....	.....
37	1,000-2,999 acres.....enterprises reporting..	4	.....	.....	.....	.....
38	3,000-9,999 acres.....enterprises reporting..	3	1	.....	3	.....
39	10,000-29,999 acres.....enterprises reporting..	2	.....	.....	.....	2
40	30,000 acres or more.....enterprises reporting..	1	1	.....	.....	1
Quantities of water reported, 1949:³						
41	Total obtained from all sources ³.....enterprises reporting..	11	4	3	3	3
42	.....percent of all enterprises reporting..	1	3	10	8	6
43	.....acre-feet..	98,683	74,759	2,350	10,877	66,386
44	Surface sources.....enterprises reporting..	10	4	2	3	3
45	.....acre-feet..	97,773	74,759	1,440	10,877	66,386
46	Pumped wells.....enterprises reporting..	1	.....	2	.....	.....
47	.....acre-feet..	810	.....	810	.....	.....
48	Other enterprises.....enterprises reporting..	1	.....	1	.....	.....
49	.....acre-feet..	100	.....	100	.....	.....
50	Conveyance loss ³.....enterprises reporting..	10	4	2	3	3
51	.....acre-feet..	13,637	11,209	482	877	8,784
Delivered:³						
52	Direct to farms.....enterprises reporting..	11	4	3	3	3
53	.....acre-feet..	72,551	53,655	1,768	9,800	46,328
54	To other enterprises.....enterprises reporting..	7	4	2	1	3
55	.....acre-feet..	12,495	9,895	100	200	11,274
56	For use other than irrigation.....enterprises reporting..	.....	.....	.....	.....	.....
57	.....acre-feet..	.....	.....	.....	.....	.....
Delivered direct to farms for primary irrigation:²						
58	Enterprises reporting.....enterprises..	11	4	3	3	3
59	Quantity delivered.....acre-feet..	68,820	36,457	1,768	9,800	20,795
60	Area supplied primary irrigation.....acres..	43,141	24,712	466	4,578	13,385
61	Quantity supplied per acre.....acre-feet..	1.6	1.5	3.8	2.1	1.6
Delivered direct to farms for supplemental irrigation:²						
62	Enterprises reporting.....enterprises..	4	3	.....	.....	1
63	Quantity delivered.....acre-feet..	3,731	3,218	.....	.....	513
64	Area supplied supplemental irrigation.....acres..	2,792	2,342	.....	.....	450
65	Quantity supplied per acre.....acre-feet..	1.3	1.4	.....	.....	1.1
66	Total quantity per irrigated acre ⁴.....acre-feet..	1.7	1.7	3.8	2.1	2.1
Cost of water to farms for enterprises reporting quantity delivered, 1949:²						
67	Cost for primary irrigation.....dollars..	58,740	38,352	1,980	5,510	12,898
68	Average cost per acre-foot.....dollars..	0.85	1.05	1.12	0.56	0.62
69	Cost for supplemental irrigation.....dollars..	4,859	4,528	.....	.....	322
70	Average cost per acre-foot.....dollars..	1.30	1.41	.....	.....	0.63
Measurement of water to farms, 1949:²						
71	No water measured.....enterprises reporting..	7	1	3	3	.....
72	.....acres irrigated..	6,544	1,500	466	4,578	.....
73	Part of water measured.....enterprises reporting..	1	.....	.....	.....	1
74	.....acres irrigated..	7,835	800	.....	.....	7,035
75	All water measured.....enterprises reporting..	2	1	.....	.....	2
76	.....acres irrigated..	23,500	16,700	.....	.....	6,800

¹For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State.
²For intercounty and interstate enterprises, data represent characteristics within the county or State.
³For intercounty and interstate enterprises, data represent characteristics of the entire enterprise.
⁴Calculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

County Table 3.—ACREAGE IRRIGATED, BY DRAINAGE BASIN ORIGIN OF WATER, AND BY COUNTIES IN WHICH ACREAGE WAS LOCATED: CENSUS OF 1950

[Symbols in parentheses refer to drainage basin symbols on map, "Kansas: Location of Irrigated Land, 1949." Tributaries not shown separately are included in the portion of the basin designated "direct"]

Item (For definitions and explanations, see text)	The State	Barton	Cheyenne	Cowley	Decatur	Edwards	Ellis	Finney	Ford	Geary	Grant	Gray	Greeley
Irrigated land, 1949.....acres..	140,992	1,647	432	24	201	260	352	41,013	2,249	73	11,351	1,927	587
Area irrigated direct, by drainage basin origin of water, 1949: ¹													
All basins (Mississippi River).....acres..	154,734	1,647	432	24	201	260	352	45,611	2,289	73	11,351	1,927	587
Arkansas River (VI-B).....acres..	146,363	1,647		24		260		45,611	2,289		11,351	1,927	587
Arkansas River direct (1a).....acres..	91,522	1,647		24		260		44,636	1,999			1,398	
Cimarron River (3).....acres..	21,294								210		11,351	404	
Pawnee River (4).....acres..	8,964							975	80			125	
Whitewoman Creek (5).....acres..	24,583												587
Missouri River (VI-C).....acres..	8,371		432		201		352			73			
Missouri River direct (1a).....acres..													
Kansas River.....acres..	8,371		432		201		352			73			
Kansas River direct (2a).....acres..	6,854				25		352			73			
Republican River (2b and 2c).....acres..	1,517		432		176								

Item (For definitions and explanations, see text)	Hamil- ton	Haskell	Hodgeman	Kearney	Logan	Mar- shall	Meade	Morton	Ness	Norton	Osborne	Pawnee	Phillips	Filey
Irrigated land, 1949.....acres..	8,627	2,688	3,447	16,883	357	215	1,057	925	572	183	934	3,630	400	144
Area irrigated direct, by drainage basin origin of water, 1949: ¹														
All basins (Mississippi River).....acres..	9,415	2,688	3,482	25,164	357	215	1,057	925	572	183	934	3,630	400	144
Arkansas River (VI-B).....acres..	9,415	2,688	3,482	25,164			1,057	925	572			3,630		
Arkansas River direct (1a).....acres..	9,415			25,164					260			253		
Cimarron River (3).....acres..		2,688					1,057	925						
Pawnee River (4).....acres..			3,482						312			3,377		
Whitewoman Creek (5).....acres..														
Missouri River (VI-C).....acres..					357	215				183	934		400	144
Missouri River direct (1a).....acres..														
Kansas River.....acres..					357	215				183	934		400	144
Kansas River direct (2a).....acres..					357	215				60	934		50	144
Republican River (2b and 2c).....acres..										123			350	

Item (For definitions and explanations, see text)	Rush	Saline	Scott	Sedg- wick	Seward	Shaw- nee	Sheridan	Sherman	Stanton	Stevens	Wallace	Wash- ington	Wichita	All other counties
Irrigated land, 1949.....acres..	2,545	111	23,432	284	857	95	44	293	4,839	1,615	210	255	5,286	948
Area irrigated direct, by drainage basin origin of water, 1949: ¹														
All basins (Mississippi River).....acres..	2,545	111	23,432	284	857	95	44	293	4,839	1,615	210	255	5,286	948
Arkansas River (VI-B).....acres..	2,545		21,918	284	857				4,839	1,615			3,333	343
Arkansas River direct (1a).....acres..	2,545		642	284					2,652					343
Cimarron River (3).....acres..					857				2,187	1,615				
Pawnee River (4).....acres..			613											
Whitewoman Creek (5).....acres..			20,663										3,333	
Missouri River (VI-C).....acres..		111	1,514			95	44	293			210	255	1,953	605
Missouri River direct (1a).....acres..														
Kansas River.....acres..		111	1,514			95	44	293			210	255	1,953	605
Kansas River direct (2a).....acres..		111	1,514			95	44				210	255	1,953	462
Republican River (2b and 2c).....acres..								293						143

¹ Acreage irrigated direct by 2 or more irrigation enterprises is counted for each enterprise; acreage supplied a mixture of water from 2 or more basins by a given enterprise is counted for each basin; consequently, the sum of the acreages for a county or a drainage basin may exceed the acreage irrigated direct shown in County Table 2 or Drainage Basin Table 1.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the drainage basin or State, except where otherwise noted]

Item (For definitions and explanations, see text)	The State (Mississippi River)	Arkansas River (VI-B)				
		Total	Direct (1a)	Cinnaron River (3)	Pawnee River (4)	Whitowonan Creek (5)
ALL ENTERPRISES						
Farms and land irrigated:						
1 All irrigation enterprises.....enterprises 1950..	962	818	482 (*)	113	122 (*)	102 (*)
2 1940..	1,066	884		23		
3 Interbasin.....enterprises 1950..	1	1			1	1
4 Farms irrigated direct per enterprise ¹.....farms 1950..	1.3	1.3	1.5	1.0	1.0	1.0
5 Irrigated land ².....acres 1949..	140,992	132,621	77,705	21,294	9,039	24,583
6 1939..	99,980	95,464	67,972	1,400	12,928	13,164
7 Average per enterprise.....acres 1949..	147	162	161	188	74	241
8 Average acreage irrigated direct per enterprise ¹.....acres 1949..	161	179	190	188	74	241
Type of enterprise, 1950:						
9 Single-farm.....enterprises..	951	808	472	113	122	102
10 1950..	108,801	100,521	45,570	21,294	9,074	24,583
Mutual:						
11 Unincorporated.....enterprises..	3	2	2			
12 1950..	2,013	(³)	(³)			
13 Incorporated.....enterprises..	8	8	8			
14 1950..	43,920	43,920	43,920			
15 Commercial.....enterprises..						
16 1950..						
17 District.....enterprises..						
18 1950..						
19 U. S. Bureau of Reclamation.....enterprises..						
20 1950..						
21 U. S. Bureau of Indian Affairs.....enterprises..						
22 1950..						
23 State.....enterprises..						
24 1950..						
25 City.....enterprises..						
26 1950..						
Use of surface, ground, pumped and stored water, 1949:						
Surface water:						
27 Gravity only.....enterprises reporting..	23	19	17	1	1	
28 1949..	46,652	46,598	46,448	40	110	
29 Pumped only.....enterprises reporting..	91	33	15		18	
30 1949..	3,984	1,256	244		1,012	
31 Gravity and pumped.....enterprises reporting..	1	1	1			
32 1949..	300	300	300			
33 Ground water only (pumped from wells).....enterprises reporting..	776	694	385	111	97	102
34 1949..	92,171	86,582	33,817	21,254	6,928	24,583
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	71	71	64	1	6	
36 1949..	11,627	11,627	10,603		1,024	
Stored water:						
37 None stored.....enterprises reporting..	919	778	456	110	113	100
38 1949..	132,856	124,675	71,300	21,040	7,977	24,358
39 Part stored.....enterprises reporting..	30	29	20	3	6	
40 1949..	20,788	20,698	19,855	254	589	
41 All stored.....enterprises reporting..	13	11	6		3	2
42 1949..	1,090	990	257		508	225
Sources of surface water, 1949:⁴						
43 Streams (and lakes).....enterprises reporting..	181	119	94		25	
44 1949..	62,443	59,661	57,515		2,146	
45 Springs.....enterprises reporting..	5	4	3	1		
46 1949..	329	305	265	40		
47 Flowing wells.....enterprises reporting..	3	3	2	1		
48 1949..	487	487	487			
49 Drainage water.....enterprises reporting..	2	2	2			
50 1949..	2,118	2,118	2,118			
51 Sewage.....enterprises reporting..	1					
52 1949..	55					
53 Other sources.....enterprises reporting..						
54 1949..						
Drainage of irrigated land:⁵						
Irrigated land drained:						
55 Enterprises reporting.....enterprises 1949..	37	25	18	1	5	1
56 1949..	2,701	1,870	1,422	22	376	50
57 Area supplied primary irrigation.....acres 1949..	1,899	1,098	909	22	117	50
58 1939..	1,959	1,704	(*)	318	(*)	(*)
Irrigated land in need of drainage:						
59 Enterprises reporting.....enterprises 1949..	17	15	13	1	1	
60 1949..	8,139	8,099	7,987	22	90	
61 Area supplied primary irrigation.....acres 1949..	557	517	485	22	10	
62 1939..	240	72	(*)		(*)	(*)

See footnotes at end of Drainage Basin Table 1, Part 1.

Drainage Basin Table 1 (Part 1 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940--Continued

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the drainage basin or State, except where otherwise noted.]

Item (For definitions and explanations, see text)	Missouri River (VI-C)						
	Total	Direct (1a)	Kansas River				
			Total	Direct (2a)	Republican River		
				Total	Republican River direct below Harlan County Dam, Nebraska (2b)	Republican River direct above Harlan County Dam, Nebraska (2c)	
ALL ENTERPRISES							
Farms and land irrigated:							
1 All irrigation enterprises.....enterprises 1950..	144		144	112	32	5	27
2 1940..	182	3	179	121	58	(*)	(*)
3 Interbasin.....enterprises 1950..							
4 Farms irrigated direct per enterprise ¹.....farms 1950..	1.0		1.0	1.1	1.0	1.0	1.0
5 Irrigated land ².....acres 1949..	8,371		8,371	6,854	1,517	143	1,374
6 1939..	4,516	44	4,472	3,137	1,335	173	1,162
7 Average per enterprise.....acres 1949..	58		58	61	47	29	51
8 Average acreage irrigated direct per enterprise ¹.....acres 1949..	58		58	61	47	29	51
Type of enterprise, 1950:							
9 Single-farm.....enterprises..	143		143	111	32	5	27
10 acres irrigated..	8,280		8,280	6,763	1,517	143	1,374
Mutual:							
11 Unincorporated.....enterprises..							
12 acres irrigated..	(³) 1		(³) 1	(³) 1			
13 Incorporated.....enterprises..							
14 acres irrigated..							
15 Commercial.....enterprises..							
16 acres irrigated..							
17 District.....enterprises..							
18 acres irrigated..							
19 U. S. Bureau of Reclamation.....enterprises..							
20 acres irrigated..							
21 U. S. Bureau of Indian Affairs.....enterprises..							
22 acres irrigated..							
23 State.....enterprises..							
24 acres irrigated..							
25 City.....enterprises..							
26 acres irrigated..							
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
27 Gravity only.....enterprises reporting..	4		4	4			
28 acres irrigated..	54		54	54			
29 Pumped only.....enterprises reporting..	58		58	48	10	3	7
30 acres irrigated..	2,728		2,728	2,182	546	125	421
31 Gravity and pumped.....enterprises reporting..							
32 acres irrigated..							
33 Ground water only (pumped from wells).....enterprises reporting..	82		82	60	22	2	20
34 acres irrigated..	5,589		5,589	4,618	971	18	953
35 Surface (gravity or pumped) and ground water.....enterprises reporting..							
36 acres irrigated..							
Stored water:							
37 None stored.....enterprises reporting..	141		141	110	31	5	26
38 acres irrigated..	8,181		8,181	6,674	1,507	143	1,364
39 Part stored.....enterprises reporting..	1		1	1			
40 acres irrigated..	90		90	90			
41 All stored.....enterprises reporting..	2		2	1	1		1
42 acres irrigated..	100		100	90	10		10
Sources of surface water, 1949:⁴							
43 Streams (and lakes).....enterprises reporting..	62		62	52	10	3	7
44 acres irrigated..	2,782		2,782	2,236	546	125	421
45 Springs.....enterprises reporting..	1		1	1			
46 acres irrigated..	24		24	24			
47 Flowing wells.....enterprises reporting..							
48 acres irrigated..							
49 Drainage water.....enterprises reporting..							
50 acres irrigated..							
51 Sewage.....enterprises reporting..	1		1	1			
52 acres irrigated..	55		55	55			
53 Other sources.....enterprises reporting..							
54 acres irrigated..							
Drainage of irrigated land:⁵							
Irrigated land drained:							
55 Enterprises reporting.....enterprises 1949..	12		12	12			
56 Area supplied primary irrigation.....acres 1949..	831		831	831			
57 Area artificially drained.....acres 1949..	801		801	801			
58 1939..	255		255	144	111	(*)	(*)
Irrigated land in need of drainage:							
59 Enterprises reporting.....enterprises 1949..	2		2	2			
60 Area supplied primary irrigation.....acres 1949..	40		40	40			
61 Area in need of drainage.....acres 1949..	48		40	40			
62 1939..	168		168	88	80	(*)	(*)

¹Not available.

²Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise.

³Acreage irrigated direct by 2 or more enterprises is counted only once. Acreage for 1939 is estimated acreage within revised drainage basin boundaries.

⁴Data for less than 3 enterprises not shown separately.

⁵Enterprises reporting water from more than 1 source are counted for each.

⁶For interbasin and interstate, data represent characteristics within the drainage basin or State.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises, data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State (Mississippi River)	Arkansas River (VI-B)				
		Total	Direct	Cimarron River	Pawnee River	Whitewoman Creek
ALL ENTERPRISES						
Irrigation works:						
1 Diversion dams.....enterprises reporting 1950..	74	49	38	1	9	1
2 Diversion dams.....dams 1950..	127	89	76	1	11	1
3 Diversion dams.....dams 1940..	102	88	(*) 76	3	(*) 11	(*) 1
Diversion dams by material:						
4 Concrete or masonry.....dams 1950..	49	48	42	.....	6	.....
5 Timber.....dams 1950..	3	2	2	.....	.....	.....
6 Earth and rock.....dams 1950..	34	14	8	.....	4	1
7 Other, mixed, and not reported.....dams 1950..	41	25	24	.....	.....	.....
8 Reservoirs.....enterprises reporting 1950..	44	40	25	4	9	2
9 Reservoirs.....reservoirs 1950..	48	42	27	4	9	2
10 Reservoirs.....reservoirs 1940..	80	71	(*) 4	4	(*) 9	(*) 2
11 Reservoirs for which capacity was reported.....reservoirs 1950..	42	37	23	4	8	2
12 total capacity, acre-feet 1950..	25,505	25,477	20,237	26	5,210	4
13 total capacity, acre-feet 1940..	32,584	32,396	(*) 26	109	(*) 5,210	(*) 4
Reservoirs by capacity:						
14 1-99 acre-feet.....reservoirs 1950..	39	34	22	4	6	2
15 100-199 acre-feet.....reservoirs 1950..	1	1	.....	.....	1	.....
16 1,000 acre-feet and over.....reservoirs 1950..	2	2	1	.....	1	.....
Reservoir dams by material:						
17 Concrete or masonry.....dams 1950..	9	9	2	.....	7	.....
18 Earth and rock.....dams 1950..	34	28	20	4	2	2
19 Other, mixed, and not reported.....dams 1950..	5	5	5	.....	.....	.....
20 Canals and ditches.....enterprises reporting 1950..	148	129	63	8	53	5
21 total length, miles 1950..	542	530	442	9	73	6
22 total length, miles 1940..	292	284	(*) 442	1	(*) 73	(*) 6
23 Pipelines and siphons ¹.....enterprises reporting 1950..	26	12	9	3	.....	.....
24 total length, miles 1950..	13	6	4	2	.....	.....
25 total length, miles 1940..	24	12	(*) 4	.....	(*) 2	(*) 2
26 Tunnels.....enterprises reporting 1950..	.....	.....	.....	.....	.....	.....
27 total length, feet 1950..	.....	.....	.....	.....	.....	.....
28 Flowing wells.....enterprises reporting 1950..	3	3	2	1	.....	.....
29 wells 1950..	11	11	7	4	.....	.....
30 wells 1940..	24	24	(*) 20	20	(*) 130	(*) 97
31 Pumped wells.....enterprises reporting 1950..	846	763	450	112	100	102
32 wells 1950..	1,343	1,230	781	149	132	168
33 wells 1940..	1,638	1,501	(*) 1,501	12	(*) 132	(*) 168
34 Walls for which pumping lift was reported.....wells 1949..	1,196	1,096	699	139	116	142
35 Average pumping lift.....feet 1949..	60	59	38	130	56	97
36 Average pumping lift.....feet 1939..	38	(*) 38	(*) 38	68	(*) 56	(*) 97
37 Irrigation pumps.....enterprises reporting 1950..	935	795	463	112	120	101
38 pumps 1950..	1,310	1,137	653	156	163	165
39 pumps 1940..	1,259	1,041	(*) 1,041	16	(*) 163	(*) 165
40 Electric motors used for pumping.....enterprises reporting 1950..	348	333	257	11	22	43
41 electric motors 1950..	465	446	340	11	26	69
42 electric motors 1940..	428	408	(*) 340	.....	(*) 26	(*) 69
43 Other motors and engines used for pumping.....enterprises reporting 1950..	624	493	.....	103	105	66
44 other motors and engines 1950..	807	656	285	140	133	98
45 other motors and engines 1940..	794	612	(*) 285	16	(*) 133	(*) 98
Season of irrigation, 1949:						
46 Water delivered only before July 1.....enterprises reporting..	19	13	6	6	.....	1
47 Water delivered only before July 1.....acres irrigated..	1,685	1,543	338	1,163	.....	42
48 Water delivered before and after July 1.....enterprises reporting..	604	544	325	74	68	78
49 Water delivered before and after July 1.....acres irrigated..	127,202	123,063	82,098	16,345	5,460	19,160
50 Water delivered only after July 1.....enterprises reporting..	264	192	108	28	45	11
51 Water delivered only after July 1.....acres irrigated..	19,560	15,606	7,124	3,216	3,032	2,234
Capital investment:						
Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..						
52	2,153,886	1,999,606	(*) 1,999,606	31,745	(*) 31,745	(*) 31,745
New capital investment Jan. 1, 1940, to Jan. 1, 1950:						
53 Enterprises reporting.....enterprises 1950..	619	505	269	96	76	65
54 Amount.....dollars 1950..	3,728,379	3,241,339	1,113,844	1,149,769	258,497	719,229
55 Area irrigated direct.....acres 1945..	73,539	66,647	26,701	18,230	5,517	16,199
56 Total capital investment Jan. 1, 1950.....dollars 1950..	5,882,265	5,240,945	(*) 5,240,945	1,181,514	(*) 1,181,514	(*) 1,181,514
Indebtedness:²						
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:						
57 Enterprises reporting.....enterprises 1950..	1	1	1	.....	.....	.....
58 Amount.....dollars 1950..	2,000	2,000	2,000	.....	.....	.....
59 Amount.....dollars 1940..	43,775	43,775	(*) 43,775	.....	(*) 43,775	(*) 43,775
60 Area irrigated direct.....acres 1949..	1,622	1,622	1,622	.....	.....	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:						
61 Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....
62 Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....
63 Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....

See footnotes at end of Drainage Basin Table 1, Part 2.

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises, data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Missouri River (VI-C)						
	Total	Direct (1a)	Kansas River				
			Total	Direct (2a)	Republican River		
					Total	Republican River direct below Harlan County Dam, Nebraska (2b)	Republican River direct above Harlan County Dam, Nebraska (2c)
ALL ENTERPRISES							
1 Irrigation works:							
2 Diversion dams.....enterprises reporting 1950..	25		25	18	7		7
3 ..dams 1950..	38		38	31	7		7
4 ..1940..	14		14	6	8	(*)	(*)
5 Diversion dams by material:							
6 Concrete or masonry.....dams 1950..	1		1	1			
7 Timber.....dams 1950..	1		1	1			
8 Earth and rock.....dams 1950..	20		20	16	4		4
9 Other, mixed, and not reported.....dams 1950..	16		16	13	3		3
10 Reservoirs.....enterprises reporting 1950..	4		4	2	2	1	1
11 ..reservoirs 1950..	6		6	4	2	1	1
12 ..1940..	9		9	6	3	(*)	(*)
13 Reservoirs for which capacity was reported.....reservoirs 1950..	5		5	4	1		1
14 ..total capacity, acre-feet 1950..	28		28	27	1		1
15 ..1940..	188		188	162	26	(*)	(*)
16 Reservoirs by capacity:							
17 1-99 acre-feet.....reservoirs 1950..	5		5	4	1		1
18 100-199 acre-feet.....reservoirs 1950..							
19 1,000 acre-feet and over.....reservoirs 1950..							
20 Reservoir dams by material:							
21 Concrete or masonry.....dams 1950..							
22 Earth and rock.....dams 1950..	6		6	4	2	1	1
23 Other, mixed, and not reported.....dams 1950..							
24 Canals and ditches.....enterprises reporting 1950..	19		19	18	1		1
25 ..total length, miles 1950..	14		14	13	1		1
26 ..1940..	8		8	7	1	(*)	(*)
27 Pipelines and siphons ¹.....enterprises reporting 1950..	14		14	11	3		3
28 ..total length, miles 1950..	7		7	6	1		1
29 ..1940..	12		12	8	4	(*)	(*)
30 Tunnels.....enterprises reporting 1950..							
31 ..total length, feet 1950..							
32 Flowing wells.....enterprises reporting 1950..							
33 ..wells 1950..							
34 ..1940..							
35 Pumped wells.....enterprises reporting 1950..	83		83	61	22	(*)	(*)
36 ..wells 1950..	113		113	84	29	2	20
37 ..1940..	137		137	86	51	(*)	27
38 Wells for which pumping lift was reported.....wells 1949..	100		100	74	26	2	24
39 Average pumping lift.....feet 1949..	74		74	75	72	26	75
40 ..1939..	140		140	108	54	(*)	(*)
41 Irrigation pumps.....enterprises reporting 1950..	173		173	135	38	5	27
42 ..pumps 1950..	218	3	215	139	76	(*)	33
43 ..1940..	15		15	15			
44 Electric motors used for pumping.....enterprises reporting 1950..	19		19	19			
45 ..electric motors 1950..	20		20	18	2	(*)	(*)
46 ..1940..	131		131	101	30	4	26
47 Other motors and engines used for pumping.....enterprises reporting 1950..	151		151	118	33	4	29
48 ..other motors and engines 1950..	182	3	179	118	61	(*)	(*)
49 ..1940..							
50 Season of irrigation, 1949:							
51 Water delivered only before July 1.....enterprises reporting..	6		6	6			
52 ..acres irrigated..	142		142	142			
53 Water delivered before and after July 1.....enterprises reporting..	60		60	49	11		11
54 ..acres irrigated..	4,139		4,139	3,584	555		555
55 Water delivered only after July 1.....enterprises reporting..	72		72	51	21	5	16
56 ..acres irrigated..	3,954		3,954	2,992	962	143	819
57 Capital investment:							
58 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	154,280	880	153,400	98,859	54,541	(*)	(*)
59 New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
60 Enterprises reporting.....enterprises 1950..	114		114	88	26	3	23
61 Amount.....dollars 1950..	487,040		487,040	401,708	85,332	3,000	82,332
62 Area irrigated direct.....acres 1949..	6,892		6,892	5,608	1,284	63	1,221
63 Total capital investment Jan. 1, 1950.....dollars 1950..	641,320	880	640,440	500,567	139,873	(*)	(*)
64 Indebtedness: ²							
65 Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
66 Enterprises reporting.....enterprises 1950..							
67 Amount.....dollars 1950..						(*)	(*)
68 ..1940..							
69 Area irrigated direct.....acres 1949..							
70 Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
71 Enterprises reporting.....enterprises 1950..							
72 Amount.....dollars 1950..							
73 Area irrigated direct.....acres 1949..							

* Not available.
¹Pipelines in farm-distribution systems were included in 1940, not included in 1950.
²Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State (Mississippi River)	Arkansas River (VI-B)					
		Total	Direct	Cimarron River	Pawnee River	Whitewoman Creek	
			(1a)	(3)	(4)	(5)	
ALL ENTERPRISES							
Cost of water to farms, 1949: ¹							
Total cost of water to farms:							
1	Enterprises reporting.....enterprises..	932	789	462	109	119	100
2	Cost.....dollars..	370,231	341,154	175,071	81,490	30,811	53,782
3	Area irrigated direct.....acres..	154,734	146,363	91,412	21,294	9,074	24,583
4	Cost per acre irrigated direct.....dollars..	2.39	2.33	1.92	3.83	3.40	2.19
5	Total cost per irrigated acre.....dollars..	2.63	2.57	2.25	3.83	3.41	2.19
6	Total cost per acre-foot of water.....dollars..	1.55	1.51	1.25	(³)	(³)	(³)
Enterprises by cost per acre:							
7	Less than \$1.00.....enterprises reporting..	151	129	77	27	12	13
8	.....acres irrigated..	40,479	39,438	23,687	7,156	1,894	6,701
9	\$1.00-\$1.99.....enterprises reporting..	205	179	93	33	19	35
10	.....acres irrigated..	68,258	65,703	48,169	6,706	1,706	9,122
11	\$2.00-\$4.99.....enterprises reporting..	305	256	144	26	49	37
12	.....acres irrigated..	33,363	30,611	15,088	4,808	3,678	7,037
13	\$5.00-\$9.99.....enterprises reporting..	155	128	73	16	29	10
14	.....acres irrigated..	9,469	7,770	2,850	2,243	1,419	1,258
15	\$10.00 and over.....enterprises reporting..	116	97	75	7	10	5
16	.....acres irrigated..	3,165	2,841	1,618	381	377	465
Cost of water for primary irrigation:							
17	Enterprises reporting.....enterprises..	891	748	422	109	118	100
18	Cost.....dollars..	355,832	326,755	160,672	81,490	30,811	53,782
19	Area supplied primary irrigation.....acres..	140,992	132,621	77,705	21,294	9,039	24,583
20	Cost per acre supplied.....dollars..	2.52	2.46	2.07	3.83	3.41	2.19
Cost of water for supplemental irrigation:							
21	Enterprises reporting.....enterprises..	49	49	48		1	
22	Cost.....dollars..	14,399	14,399	14,399			
23	Area supplied supplemental irrigation.....acres..	13,742	13,742	13,707		35	
24	Cost per acre supplied.....dollars..	1.05	1.05	1.05		(³)	
Cost to farms for purposes other than operation and maintenance: ⁴							
25	Enterprises reporting.....enterprises..						
26	Cost.....dollars..						
27	Area irrigated direct.....acres..						
28	Cost per acre irrigated.....dollars..						
Arrearage in payments by farms, Jan. 1, 1950: ⁴							
29	Enterprises reporting.....enterprises..	5	5	5			
30	Amount.....dollars..	4,875	4,875	4,875			
31	Area irrigated direct.....acres..	33,032	33,032	33,032			
SINGLE-FARM ENTERPRISES, 1950							
32	Single-farm enterprises.....enterprises..	951	808	472	113	122	102
33	Area irrigated.....acres..	108,801	100,521	45,570	21,294	9,074	24,583
34	Complete-system enterprises ⁵.....enterprises..	891	749	423	109	118	100
35	Area irrigated.....acres..	103,146	94,866	40,025	21,294	8,964	24,583
Other farms irrigated:							
36	Enterprises reporting.....number..	17	12	6	4	2	
37	Number of other farms.....farms..	22	16	8	4	4	
38	Area irrigated in other farms.....acres..	723	548	325	128	95	
Enterprises by origin of water supply: ⁵							
39	No water from other enterprises.....enterprises reporting..	921	778	443	113	121	102
40	Part of water from other enterprises.....enterprises reporting..	103,146	94,866	40,025	21,294	8,964	24,583
41	.....acres irrigated..	28	28	28			
42	All of water from other enterprises.....enterprises reporting..	5,376	5,376	5,376			
43	.....acres irrigated..	2	2	1		1	
44	.....acres irrigated..	279	279	169		110	
Enterprises by primary and supplemental irrigation:							
45	All primary.....enterprises reporting..	876	734	408	109	118	100
46	.....acres irrigated..	97,160	88,880	33,964	21,294	9,039	24,583
47	Part primary, part supplemental.....enterprises reporting..	4	4	4			
48	Primary irrigation.....acres irrigated..	691	691	741			
49	Supplemental irrigation.....acres irrigated..	741	741	741			
50	All supplemental.....enterprises reporting..	41	41	40		1	
51	.....acres irrigated..	10,209	10,209	10,174		35	
Enterprises by number of acres irrigated: ⁵							
52	None.....enterprises reporting..	30	29	20	4	3	2
53	1-9 acres.....enterprises reporting..	107	90	84		4	2
54	10-29 acres.....enterprises reporting..	153	112	77	7	26	2
55	30-59 acres.....enterprises reporting..	177	142	86	14	33	9
56	60-99 acres.....enterprises reporting..	140	117	60	17	23	17
57	100-199 acres.....enterprises reporting..	195	176	82	42	23	29
58	200-499 acres.....enterprises reporting..	115	108	50	19	10	30
59	500-999 acres.....enterprises reporting..	29	29	12			8
60	1,000 acres or more.....enterprises reporting..	5	5	1	1		3

See footnotes at end of Drainage Basin Table 1, Part 3.

Drainage Basin Table 1 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Missouri River (VI-C)					
	Total	Direct (1a)	Kansas River			
			Total	Direct (2a)	Republican River	
				Total	Republican River direct below Harlan County Dam, Nebraska (2b)	Republican River direct above Harlan County Dam, Nebraska (2c)
ALL ENTERPRISES						
Cost of water to farms, 1949: ¹						
Total cost of water to farms:						
1 Enterprises reporting.....enterprises..	143		143	111	32	5
2 Cost.....dollars..	29,077		29,077	23,044	6,033	140
3 Area irrigated direct.....acres..	8,371		8,371	6,854	1,517	143
4 Cost per acre irrigated direct.....dollars..	3.47		3.47	3.36	3.98	0.98
5 Total cost per irrigated acre.....dollars..	3.47		3.47	3.36	3.98	0.98
6 Total cost per acre-foot of water ².....dollars..	(³) 3.47		(³) 3.47	(³) 3.36	(³) 3.98	(³) 0.98
Enterprises by cost per acre:						
7 Less than \$1.00.....enterprises reporting..	22		22	15	7	3
8 .....acres irrigated..	1,041		1,041	592	449	86
9 \$1.00-\$1.99.....enterprises reporting..	26		26	21	5	2
10 .....acres irrigated..	2,555		2,555	2,336	219	57
11 \$2.00-\$4.99.....enterprises reporting..	49		49	42	7	
12 .....acres irrigated..	2,752		2,752	2,340	412	
13 \$5.00-\$9.99.....enterprises reporting..	27		27	20	7	
14 .....acres irrigated..	1,699		1,699	1,368	331	
15 \$10.00 and over.....enterprises reporting..	19		19	13	6	
16 .....acres irrigated..	324		324	218	106	
Cost of water for primary irrigation:						
17 Enterprises reporting.....enterprises..	143		143	111	32	5
18 Cost.....dollars..	29,077		29,077	23,044	6,033	140
19 Area supplied primary irrigation.....acres..	8,371		8,371	6,854	1,517	143
20 Cost per acre supplied.....dollars..	3.47		3.47	3.36	3.98	0.98
Cost of water for supplemental irrigation:						
21 Enterprises reporting.....enterprises..						
22 Cost.....dollars..						
23 Area supplied supplemental irrigation.....acres..						
24 Cost per acre supplied.....dollars..						
Cost to farms for purposes other than operation and maintenance: ⁴						
25 Enterprises reporting.....enterprises..						
26 Cost.....dollars..						
27 Area irrigated direct.....acres..						
28 Cost per acre irrigated.....dollars..						
Arrearage in payments by farms, Jan. 1, 1950: ⁴						
29 Enterprises reporting.....enterprises..						
30 Amount.....dollars..						
31 Area irrigated direct.....acres..						
SINGLE-FARM ENTERPRISES, 1950						
32 Single-farm enterprises.....enterprises..	143		143	111	32	5
33 Area irrigated.....acres..	8,280		8,280	6,763	1,517	143
34 Complete-system enterprises ⁵.....enterprises..	142		142	110	32	5
35 Area irrigated.....acres..	8,280		8,280	6,763	1,517	143
Other farms irrigated:						
36 Enterprises reporting.....number..	5		5	5		
37 Number of other farms.....farms..	6		6	6		
38 Area irrigated in other farms.....acres..	175		175	175		
Enterprises by origin of water supply: ⁵						
39 No water from other enterprises.....enterprises reporting..	143		143	111	32	5
40 .....acres irrigated..	8,280		8,280	6,763	1,517	143
41 Part of water from other enterprises.....enterprises reporting..						
42 .....acres irrigated..						
43 All of water from other enterprises.....enterprises reporting..						
44 .....acres irrigated..						
Enterprises by primary and supplemental irrigation:						
45 All primary.....enterprises reporting..	142		142	110	32	5
46 .....acres irrigated..	8,280		8,280	6,763	1,517	143
47 Part primary, part supplemental.....enterprises reporting..						
48 Primary irrigation.....acres irrigated..						
49 Supplemental irrigation.....acres irrigated..						
50 All supplemental.....enterprises reporting..						
51 .....acres irrigated..						
Enterprises by number of acres irrigated: ⁵						
52 None.....enterprises reporting..	1		1	1		
53 1-9 acres.....enterprises reporting..	17		17	14	3	1
54 10-29 acres.....enterprises reporting..	41		41	32	9	1
55 30-59 acres.....enterprises reporting..	35		35	24	11	3
56 60-99 acres.....enterprises reporting..	23		23	18	5	
57 100-199 acres.....enterprises reporting..	19		19	15	4	
58 200-499 acres.....enterprises reporting..	7		7	7		
59 500-999 acres.....enterprises reporting..						
60 1,000 acres or more.....enterprises reporting..						

¹ Enterprises with reported cost of \$0 in 1949 are included.

² Average cost per irrigated acre divided by calculated average quantity of water per acre. Drainage Basin Table 1, Part 4, line 66.

³ Average not given because number of reports was not sufficient to provide satisfactory data.

⁴ Not reported by single-farm enterprises.

⁵ For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 4 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State (Mississippi River) ¹	Arkansas River direct
		(VI-B-1a)
MULTIPLE-FARM ENTERPRISES, 1950		
1 Multiple-farm enterprises, total number ².....enterprises..	11	10
2 Area irrigated direct.....acres..	45,933	45,842
3 Multiple-purpose enterprises ².....enterprises..		
4 Area irrigated direct.....acres..		
5 Complete-system enterprises ².....enterprises..	6	5
6 Area irrigated direct.....acres..	13,023	12,932
Enterprises by origin of water supply: ²		
7 No water from other enterprises.....enterprises reporting..	10	9
8 ..acres irrigated..	45,633	45,542
9 Part of water from other enterprises.....enterprises reporting..	1	1
10 ..acres irrigated..	300	300
11 All water from other enterprises.....enterprises reporting..		
12 ..acres irrigated..		
Enterprises by delivery of irrigation water: ²		
13 No water delivered.....enterprises reporting..		
14 Water delivered direct to farms only.....enterprises reporting..	4	3
15 ..acres irrigated..	3,281	3,190
16 Water delivered to farms and to other enterprises.....enterprises reporting..	7	7
17 ..acres irrigated..	42,652	42,652
18 Water delivered to other enterprises only.....enterprises reporting..		
Enterprises by primary and supplemental irrigation: ³		
19 All primary.....enterprises reporting..	7	6
20 ..acres irrigated..	13,179	13,088
21 Part primary, part supplemental.....enterprises reporting..	4	4
22 Primary irrigation.....acres irrigated..	29,962	29,962
23 Supplemental irrigation.....acres irrigated..	2,792	2,792
24 All supplemental.....enterprises reporting..		
25 ..acres irrigated..		
Enterprises by number of farms irrigated direct: ²		
26 None.....enterprises reporting..		
27 1-3.....enterprises reporting..	1	
28 4-9.....enterprises reporting..	3	3
29 10-29.....enterprises reporting..	3	3
30 30-99.....enterprises reporting..	4	4
31 100-299.....enterprises reporting..		
32 300-999.....enterprises reporting..		
33 1,000 or more.....enterprises reporting..		
Enterprises by acres irrigated direct: ²		
34 None.....enterprises reporting..		
35 1-99.....enterprises reporting..	2	1
36 100-999 acres.....enterprises reporting..	1	1
37 1,000-2,999 acres.....enterprises reporting..	4	4
38 3,000-9,999 acres.....enterprises reporting..	3	3
39 10,000-29,999 acres.....enterprises reporting..	1	1
40 30,000 acres or more.....enterprises reporting..		
Quantities of water reported, 1949:		
41 Total obtained from all sources ⁴.....enterprises reporting..	11	10
42 ..percent of all enterprises reporting..	1	2
43 ..acre-feet..	98,683	98,643
44 Surface sources.....enterprises reporting..	10	9
45 ..acre-feet..	97,773	97,733
46 Pumped wells.....enterprises reporting..	1	1
47 ..acre-feet..	810	810
48 Other enterprises.....enterprises reporting..	1	1
49 ..acre-feet..	100	100
50 Conveyance loss ⁴.....enterprises reporting..	10	10
51 ..acre-feet..	13,637	13,637
Delivered: ⁴		
52 Direct to farms.....enterprises reporting..	11	10
53 ..acre-feet..	72,551	72,511
54 To other enterprises.....enterprises reporting..	7	7
55 ..acre-feet..	12,495	12,495
56 For use other than irrigation.....enterprises reporting..		
57 ..acre-feet..		
Delivered direct to farms for primary irrigation: ³		
58 Enterprises reporting.....enterprises..	11	10
59 Quantity delivered.....acre-feet..	68,820	68,780
60 Area supplied primary irrigation.....acres..	43,141	43,050
61 Quantity supplied per acre.....acre-feet..	1.6	1.6
Delivered direct to farms for supplemental irrigation: ³		
62 Enterprises reporting.....enterprises..	4	4
63 Quantity delivered.....acre-feet..	3,731	3,731
64 Area supplied supplemental irrigation.....acres..	2,792	2,792
65 Quantity supplied per acre.....acre-feet..	1.3	1.3
66 Total quantity per irrigated acre ⁵.....acre-feet..	1.7	1.8
Cost of water to farms for enterprises reporting quantity delivered, 1949: ³		
67 Cost for primary irrigation.....dollars..	58,740	58,260
68 Average cost per acre-foot.....dollars..	0.85	0.85
69 Cost for supplemental irrigation.....dollars..	4,850	4,850
70 Average cost per acre-foot.....dollars..	1.30	1.30
Measurement of water to farms, 1949: ³		
71 No water measured.....enterprises reporting..	7	6
72 ..acres irrigated..	6,544	6,453
73 Part of water measured.....enterprises reporting..	1	1
74 ..acres irrigated..	7,835	7,835
75 All water measured.....enterprises reporting..	2	2
76 ..acres irrigated..	23,500	23,500

¹Includes data for 1 enterprise in basin VI-C-2a.

²For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State.

³For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State.

⁴For interbasin and interstate enterprises, data represent characteristics of the entire enterprise.

⁵Calculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

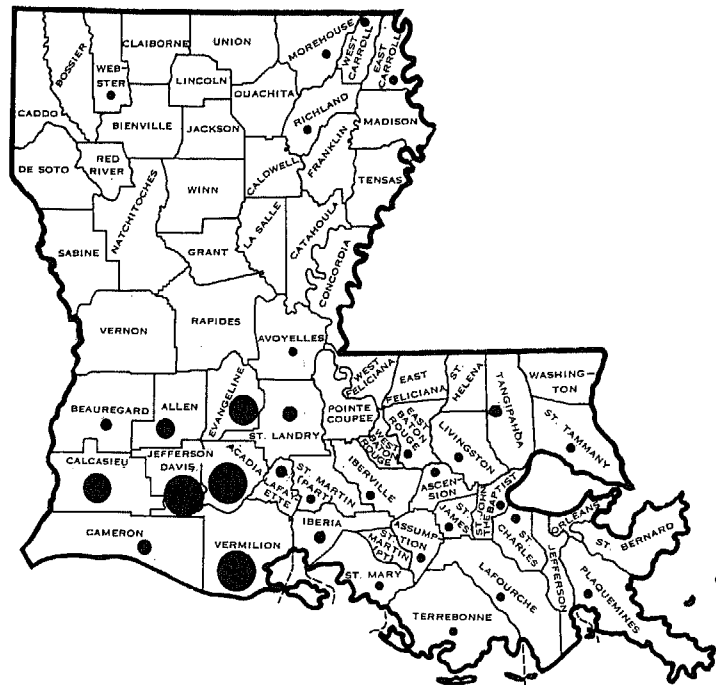
IRRIGATION OF AGRICULTURAL LANDS

LOUISIANA

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LEGEND

- LESS THAN 5,000 ACRES
- 5,000 - 9,999 ACRES
- 10,000 - 19,999 ACRES
- 20,000 - 49,999 ACRES
- 50,000 - 99,999 ACRES
- 100,000 - 199,999 ACRES

LOUISIANA: ACRES OF IRRIGATED LAND, BY PARISHES, 1949

State Table 1.—IRRIGATION SUMMARY: 1890 TO 1950

Census year	All farms ¹ (number)	All land in farms ¹ (acres)	Irrigated farms ^{1,2} (number)	Irrigated acreage reported by—		Irrigation enterprises (number)	Total capital investment in irrigation enterprises (dollars)
				Farms ¹ (acres)	Irrigation enterprises (acres)		
1950.....	124,181	11,202,278	7,438	576,775	597,966	3,905	21,503,040
1945.....	129,295	10,039,657	7,185	535,619	(*)	(*)	(*)
1940.....	150,007	9,996,108	7,037	³ 413,969	447,095	2,566	11,565,513
1935.....	170,216	10,444,288	6,585	⁴ 361,943	(*)	(*)	(*)
1930.....	161,445	9,355,437	5,588	⁵ 400,375	450,901	2,352	15,744,743
1920.....	135,463	10,019,822	6,471	(**)	454,882	1,373	14,063,181
1910.....	120,546	10,439,481	2,690	(**)	380,200	1,237	6,859,166
1900.....	115,969	11,059,127	4,531	201,685	(*)	(*)	2,529,319
1890.....	69,294	9,544,219	(*)	84,377	(*)	(*)	(*)

*Not available.
 **Available data not comparable.
¹Census of Agriculture.
²Farms reporting irrigated land, 1950, 1945, 1900, and 1890 Censuses; farms reporting irrigated cropland harvested, and/or irrigated pasture, 1940 Census; farms reporting irrigated cropland harvested, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.
³Irrigated land from which crops were harvested plus 2,110 acres of irrigated land used only for pasture.
⁴Irrigated land from which crops were harvested.
⁵Acreage of irrigated crops including some duplication where 2 or more crops were harvested from the same land.

State Table 2.—CHARACTERISTICS OF IRRIGATION ENTERPRISES: 1920 TO 1950

[For interstate enterprises, data represent characteristics within the State]

Item (For definitions and explanations, see text)	Census of—			
	1950	1940	1930	1920
Enterprises.....total number..	3,905	2,566	2,352	1,373
Enterprises by type:				
Single-farm.....number..	3,584	2,517	2,266	(*)
Mutual:				
Unincorporated.....number..	47	13		(*)
Incorporated.....number..	4	8		(*)
Commercial.....number..	270	28	85	(*)
District.....number..				(*)
U. S. Bureau of Reclamation ¹.....number..				(*)
U. S. Bureau of Indian Affairs.....number..				(*)
State.....number..		1	1	(*)
City.....number..				(*)
Other.....number..				(*)
Irrigated land, total ².....acres..	597,966	447,095	450,901	454,882
Acreage irrigated, by type of enterprise: ³				
Single-farm.....acres..	342,590	251,243	226,259	259,673
Mutual:				
Unincorporated.....acres..	15,735	1,701		10,635
Incorporated.....acres..	1,574	36,939		
Commercial.....acres..	243,588	159,764	224,625	184,574
District.....acres..				
U. S. Bureau of Reclamation ¹.....acres..				
U. S. Bureau of Indian Affairs.....acres..				
State.....acres..		27	17	
City.....acres..				
Other.....acres..				
Acreage irrigated, by source of water: ^{3 4}				
Streams (and lakes).....acres..	282,114	271,491	263,246	291,472
Springs.....acres..	362			
Flowing wells.....acres..	9,120	1,586	3,092	1,271
Pumped wells.....acres..	338,479	150,962	173,151	165,424
Sewage.....acres..	290	(*)		
Other and not reported.....acres..	66,276	38,826	11,060	7,835
Irrigated land artificially drained.....acres..	219,219	99,654	169,577	167,138
Irrigated land in need of drainage.....acres..	39,952	12,379	10,832	21,202
Irrigation works:				
Diversion dams.....total number..	319	105	36	419
Reservoirs.....number..	58	75	85	74
Total capacity (reported).....acre-feet..	31,249	34,199	13,909	7,632
Reservoir dams.....total number..	58	114	81	63
Canals and ditches.....total length, miles..	3,477	2,421	2,226	3,243
Pipe lines.....total length, miles..	61	64	15	50
Flowing wells.....number..	849	302	807	9
Pumped wells.....number..	3,365	1,564	1,389	812
Average pumping lift (reported).....feet..	35	45	(*)	(*)
Pumps.....number..	5,221	2,403	2,000	1,941
Average pumping lift from all sources.....feet..	(*)	32	37	32
Capital investment, total.....dollars..	21,503,040	11,565,513	15,744,743	14,063,181
Capital investment by type of enterprise:				
Single-farm.....dollars..	12,736,823	5,799,128	6,984,092	7,943,252
Mutual:				
Unincorporated.....dollars..	389,124	44,925		161,658
Incorporated.....dollars..	764,172	721,172		
Commercial.....dollars..	7,610,321	4,997,680	8,757,151	5,950,271
District.....dollars..				
U. S. Bureau of Reclamation ¹.....dollars..				
U. S. Bureau of Indian Affairs.....dollars..				
State.....dollars..	2,600	2,600	3,500	
City.....dollars..				
Other.....dollars..				

*Not available.
¹For 1950, not including Bureau of Reclamation projects operated by water users, which are classified under other types of enterprises.
²Acreage reported by irrigation enterprises. For 1950, acreage supplied primary irrigation; for 1940, acreage irrigated by "primary enterprises"; for 1920 and 1930, "primary" and "supplemental" irrigation not differentiated. (See text.)
³For 1950, acreage reported by more than 1 type of enterprise, or from more than 1 source is included for each; for 1940, acreage reported by both "primary" and "supplemental" enterprises is included for each type of enterprise and for each source of water.
⁴Data for 1940, 1930, and 1920 combined as follows: "Stored storm water" with "Streams and lakes"; "City and/or sewage" and "Other mixed" with "Other and not reported."

IRRIGATION OF AGRICULTURAL LANDS

State Table 3 (Part 1 of 3).—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, other data represent characteristics within the State, except where otherwise noted. Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise.]

Item (For definitions and explanations, see text)	Type of enterprise				
	All types	Single-farm	Mutual		Commercial, Indian, State, city, and other
			Unincorporated	Incorporated	
ENTERPRISES: FARMS AND LAND IRRIGATED					
Number of enterprises.....enterprises 1950..	3,905	3,584	47	4	270
.....1940..	2,566	2,517	12	8	29
Farms irrigated direct per enterprise.....farms 1949..	2.1	1.4	4.6	5.5	10.7
Area irrigated direct.....acres 1949..	603,487	342,590	15,735	1,574	243,500
.....acres 1939..	449,674	251,243	1,701	36,939	159,791
Average per enterprise.....acres 1949..	155	96	335	394	902
CHARACTERISTICS OF ENTERPRISES, 1949					
Multiple-purpose enterprises.....enterprises..	8	.....	1	.....	7
Area irrigated direct.....acres..	6,559	.....	300	.....	6,259
Complete-system enterprises.....enterprises..	3,771	3,458	47	4	262
Area irrigated direct.....acres..	591,487	337,407	15,735	1,574	236,771
Enterprises by origin of water supply:					
No water from other enterprises.....enterprises reporting..	3,852	3,532	47	4	269
.....acres irrigated..	597,854	337,407	15,735	1,574	243,138
Part of water from other enterprises.....enterprises reporting..	18	17	.....	.....	1
.....acres irrigated..	3,823	3,373	.....	.....	450
All water from other enterprises.....enterprises reporting..	35	35	.....	.....	.....
.....acres irrigated..	1,810	1,810	.....	.....	.....
Enterprises by delivery of irrigation water:					
No water delivered.....enterprises reporting..	75	74	.....	.....	1
Water delivered direct to farms only.....enterprises reporting..	3,813	3,507	47	4	255
.....acres irrigated..	521,095	341,217	15,735	1,574	162,569
Water delivered to farms and to other enterprises.....enterprises reporting..	17	3	.....	.....	14
.....acres irrigated..	82,392	1,373	.....	.....	81,019
Water delivered to other enterprises only.....enterprises reporting..	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation: ¹					
All primary.....enterprises reporting..	3,772	3,467	46	4	255
.....acres irrigated..	584,050	336,747	15,385	1,574	230,344
Part primary, part supplemental.....enterprises reporting..	39	24	1	.....	14
.....acres irrigated..	13,916	3,536	240	.....	10,140
Supplemental irrigation.....acres irrigated..	4,475	1,261	110	.....	3,104
All supplemental.....enterprises reporting..	19	19	.....	.....	.....
.....acres irrigated..	1,046	1,046	.....	.....	.....
Enterprises by number of farms irrigated direct:					
None.....enterprises reporting..	75	74	.....	.....	1
1-3.....enterprises reporting..	3,499	3,343	26	1	129
4-9.....enterprises reporting..	250	141	17	3	89
10-29.....enterprises reporting..	61	24	4	.....	33
30-99.....enterprises reporting..	18	2	.....	.....	16
100-299.....enterprises reporting..	1	.....	.....	.....	1
300-999.....enterprises reporting..	1	.....	.....	.....	1
1,000 or more.....enterprises reporting..	.....	.....	.....	.....	.....
Enterprises by acres irrigated direct:					
None.....enterprises reporting..	75	74	.....	.....	1
1-29.....enterprises reporting..	1,971	1,969	.....	.....	2
30-99.....enterprises reporting..	525	491	6	.....	28
100-499.....enterprises reporting..	1,155	943	35	3	174
500-999.....enterprises reporting..	114	77	4	1	32
1,000-2,999.....enterprises reporting..	42	29	2	.....	11
3,000-9,999.....enterprises reporting..	20	1	.....	.....	19
10,000-29,999.....enterprises reporting..	2	.....	.....	.....	2
30,000 or more.....enterprises reporting..	1	.....	.....	.....	1
USE OF SURFACE, GROUND, PUMPED AND STORED WATER, 1949					
Surface water:					
Gravity only.....enterprises reporting..	416	415	1	.....	.....
.....acres irrigated..	6,500	4,504	1,996	.....	.....
Pumped only.....enterprises reporting..	974	899	10	.....	65
.....acres irrigated..	253,080	92,950	1,799	.....	158,331
Gravity and pumped.....enterprises reporting..	22	22	.....	.....	.....
.....acres irrigated..	5,428	5,428	.....	.....	.....
Ground water only (pumped from wells).....enterprises reporting..	2,193	1,978	29	4	182
.....acres irrigated..	256,337	187,116	8,860	1,574	58,787
Surface (gravity or pumped) and ground.....enterprises reporting..	300	270	7	.....	23
.....acres irrigated..	82,142	52,592	3,080	.....	26,470
Stored water:					
None stored.....enterprises reporting..	3,858	3,547	44	4	263
.....acres irrigated..	578,296	330,856	12,219	1,574	233,647
Part stored.....enterprises reporting..	36	27	2	.....	7
.....acres irrigated..	22,383	10,922	1,520	.....	9,941
All stored.....enterprises reporting..	11	10	1	.....	.....
.....acres irrigated..	2,808	812	1,996	.....	.....

¹For interstate enterprises, data represent characteristics within the State.

State Table 3 (Part 2 of 3).—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, data represent characteristics within the State except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Type of enterprise				
	All types	Single-farm	Mutual		Commercial, Indian, State, city, and other
			Unincorporated	Incorporated	
SOURCES OF SURFACE WATER, 1949¹					
Streams (and lakes).....enterprises reporting..	758	668	16		74
.....acres irrigated..	282,114	94,610	6,310		181,194
Springs.....enterprises reporting..	6				
.....acres irrigated..	362	362			
Flowing wells.....enterprises reporting..	525				
.....acres irrigated..	9,120	9,120			
Drainage water.....enterprises reporting..	444				
.....acres irrigated..	65,113	57,157	565		16
Sewage.....enterprises reporting..	1				
.....acres irrigated..	290	290			7,391
Other sources.....enterprises reporting..	6				
.....acres irrigated..	1,163	1,163			
DRAINAGE OF IRRIGATED LAND, 1949					
Irrigated land drained:					
Enterprises reporting.....enterprises..	511	425	12	1	73
Area supplied primary irrigation.....acres..	238,622	72,562	5,166	500	160,394
Area artificially drained.....acres..	219,219	57,313	5,166	500	156,240
Irrigated land in need of drainage:					
Enterprises reporting.....enterprises..	230	178	11	1	40
Area supplied primary irrigation.....acres..	64,943	36,085	4,510	291	24,057
Area in need of drainage.....acres..	39,952	25,052	2,302	170	12,428
IRRIGATION WORKS, 1950					
Diversion dams.....enterprises reporting..	135	130			5
.....dams..	319	314			5
Diversion dams by material:					
Concrete or masonry.....dams..	28	27			1
Timber.....dams..	95	95			
Earth and rock.....dams..	175	172			3
Other, mixed, and not reported.....dams..	21	20			1
Reservoirs.....enterprises reporting..	47	40	2		5
.....reservoirs..	58	45	3		10
Reservoirs for which capacity was reported.....number..	57	44	3		10
.....total capacity, acre-feet..	81,249	6,992	15,527		8,730
Reservoirs by capacity:					
1-99 acre-feet.....reservoirs..	26	25	1		
100-999 acre-feet.....reservoirs..	26	19			7
1,000 acre-feet and over.....reservoirs..	5		2		3
Reservoir dams by material:					
Concrete or masonry.....dams..	2	2			
Earth and rock.....dams..	51	38	3		10
Other, mixed, and not reported.....dams..	5	5			
Canals and ditches.....enterprises reporting..	1,178	866	47	4	261
.....total length, miles..	3,477	1,528	115	8	1,826
Pipelines and siphons.....enterprises reporting..	95	88	1		6
.....total length, miles..	62	42	(²)		20
Tunnels.....enterprises reporting..					
.....total length, feet..					
Flowing wells.....enterprises reporting..	525	525			
.....wells..	849	849			
Pumped wells.....enterprises reporting..	2,487	2,244	37	4	202
.....wells..	3,365	3,025	44	5	291
Wells for which pumping lift was reported.....wells..	2,524	2,250	28	1	245
.....average pumping lift, feet..	35	30	59	40	73
Irrigation pumps.....enterprises reporting..	3,470	3,156	47	4	263
.....pumps..	5,221	4,619	78	7	517
Electric motors used for pumping.....enterprises reporting..	974	959	1		14
.....electric motors..	1,188	1,155	1		32
Other motors and engines used for pumping.....enterprises reporting..	2,579	2,271	47	4	257
.....other motors and engines..	3,768	3,209	79	7	473
SEASON OF IRRIGATION, 1949					
Water delivered only before July 1.....enterprises reporting..	137	134	1		2
.....acres irrigated..	8,689	8,095	150		444
Water delivered before and after July 1.....enterprises reporting..	3,473	3,158	44	4	267
.....acres irrigated..	579,521	319,998	14,805	1,574	243,144
Water delivered only after July 1.....enterprises reporting..	154	152	2		
.....acres irrigated..	5,637	4,857	780		
CAPITAL INVESTMENT, 1950 AND 1940					
Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	11,565,513	5,799,128	44,925	721,172	5,000,288
New capital investment Jan. 1, 1940 to Jan. 1, 1950:					
Enterprises reporting.....enterprises 1950..	2,545	2,279	42	3	221
.....Amount.....dollars 1950..	9,937,527	6,937,695	344,199	43,000	2,612,633
Area irrigated direct.....acres 1949..	390,210	261,589	12,755	1,076	114,790
Total capital investment Jan. 1, 1950.....dollars 1950..	21,503,040	12,736,823	389,124	764,172	7,612,921
INDEBTEDNESS, 1950³					
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:					
Enterprises reporting.....enterprises..	18		6	1	11
.....Amount.....dollars..	977,400		20,350	8,000	949,050
Area irrigated direct.....acres..	49,196		1,640	500	47,056
Arrears in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:					
Enterprises reporting.....enterprises..					
.....Amount.....dollars..					
Area irrigated direct.....acres..					

¹Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the state. ²Less than 0.5. ³Not reported by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

State Table 3 (Part 3 of 3).—IRRIGATION ENTERPRISES, NUMBER AND CHARACTERISTICS, BY TYPE OF ENTERPRISE: CENSUSES OF 1950 AND 1940

[For interstate enterprises, data represent characteristics within the State except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Type of enterprise				
	All types	Single-farm	Mutual		Commercial, Indian, State, city, and other
			Unincorporated	Incorporated	
COST OF WATER TO FARMS, 1949¹					
Total cost of water to farms:					
Enterprises reporting.....enterprises..	3,830	3,510	47	4	269
Cost.....dollars..	5,340,707	1,906,860	221,173	18,659	3,194,015
Area irrigated direct.....acres..	603,407	342,590	15,735	1,574	243,588
Cost per acre irrigated direct.....dollars..	8.85	5.57	14.06	11.85	13.11
Enterprises by cost per acre:					
Less than \$1.00.....enterprises reporting..	528	524	1		3
.....acres irrigated..	29,761	28,763	200		798
\$1.00-\$1.99.....enterprises reporting..	256	256			
.....acres irrigated..	37,588	37,588			
\$2.00-\$4.99.....enterprises reporting..	993	989		1	3
.....acres irrigated..	134,789	133,221		291	1,277
\$5.00-\$9.99.....enterprises reporting..	1,070	1,016	10		44
.....acres irrigated..	129,948	92,774	2,409		34,765
\$10.00 or more.....enterprises reporting..	983	725	36	3	219
.....acres irrigated..	271,401	50,244	13,126	1,283	206,748
Cost of water for primary irrigation:					
Enterprises reporting.....enterprises..	3,811	3,491	47	4	269
Cost.....dollars..	5,284,483	1,896,732	219,468	18,659	3,149,624
Area supplied primary irrigation.....acres..	597,966	340,203	15,625	1,574	240,484
Cost per acre supplied.....dollars..	8.84	5.57	14.05	11.85	13.10
Cost of water for supplemental irrigation:					
Enterprises reporting.....enterprises..	58	43	1		14
Cost.....dollars..	56,224	10,128	1,705		44,391
Area supplied supplemental irrigation.....acres..	5,521	2,307	110		3,104
Cost per acre supplied.....dollars..	10.18	4.39	15.50		14.30
Cost to farms for purposes other than operation and maintenance: ²					
Enterprises reporting.....enterprises..	296		46	4	246
Cost.....dollars..	1,305,616		144,758	8,405	1,152,453
Area irrigated direct.....acres..	197,660		14,535	1,574	181,551
Cost per acre irrigated.....dollars..	6.61		9.96	5.34	6.35
Arrearage in payments by farms, Jan. 1, 1950: ²					
Enterprises reporting.....enterprises..	3		1		2
Amount.....dollars..	1,950		1,000		950
Area irrigated direct.....acres..	920		120		800
QUANTITIES OF WATER REPORTED, 1949²					
Total obtained from all sources ³.....enterprises reporting..	312		45	4	263
.....acre-feet..	571,543		27,304	2,545	541,694
Surface sources.....enterprises reporting..	101		17		84
.....acre-feet..	438,813		10,493		428,320
Pumped wells.....enterprises reporting..	234		33	4	197
.....acre-feet..	132,230		16,811	2,545	112,874
Other enterprises.....enterprises reporting..	1				1
.....acre-feet..	500				500
Conveyance loss ³.....enterprises reporting..	309		45	4	260
.....acre-feet..	48,273		2,293	205	45,775
Delivered: ³					
Direct to farms.....enterprises reporting..	312		45	4	263
.....acre-feet..	515,760		24,961	2,340	488,459
To other enterprises.....enterprises reporting..	13				13
.....acre-feet..	7,460				7,460
For use other than irrigation.....enterprises reporting..	1		1		
.....acre-feet..	50		50		
Delivered direct to farms for primary irrigation:					
Enterprises reporting.....enterprises..	312		45	4	263
Quantity delivered.....acre-feet..	509,034		24,822	2,340	481,872
Area supplied primary irrigation.....acres..	254,094		14,505	1,574	236,015
Quantity per acre supplied.....acre-feet..	2.0		1.7	1.5	2.0
Delivered direct to farms for supplemental irrigation:					
Enterprises reporting.....enterprises..	15		1		14
Quantity delivered.....acre-feet..	6,725		139		6,587
Area supplied supplemental irrigation.....acres..	3,214		110		3,104
Quantity per acre supplied.....acre-feet..	2.1		1.3		2.1
Cost of water to farms for enterprises reporting quantity delivered:					
Cost for primary irrigation.....dollars..	3,339,801		208,368	18,659	3,112,774
Average cost per acre-foot.....dollars..	6.56		8.39	7.97	6.46
Cost for supplemental irrigation.....dollars..	46,096		1,705		44,391
Average cost per acre-foot.....dollars..	6.85		12.27		6.74
Measurement of water to farms:					
No water measured.....enterprises reporting..	308		46	4	258
.....acres..	256,520		15,385	1,574	239,561
Part of water measured.....enterprises reporting..					
.....acres..					
All water measured.....enterprises reporting..					
.....acres..					

¹Enterprises with reported cost of \$0 in 1949 are included. ²Not reported by single-farm enterprises. ³For interstate enterprises, data represent characteristics of the entire enterprise.

State Table 4 (Part 1 of 3).—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, other data represent characteristics within the State, except where otherwise noted. Farms and acreage irrigated by 2 or more enterprises are counted for each enterprise.]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²			
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
ENTERPRISES: FARMS AND LAND IRRIGATED									
Number of enterprises.....enterprises..	3,771	363	925	2,180	303	2,460	1,248	60	3
Farms irrigated direct per enterprise.....farms..	2.1	1.2	3.1	1.8	2.3	1.1	2.7	18.5	284.7
Area irrigated.....acres..	591,487	5,963	245,632	255,386	84,506	42,570	339,230	144,992	64,695
Average per enterprise.....acres..	157	16	266	117	279	17	272	2,417	21,565
CHARACTERISTICS OF ENTERPRISES									
Multiple-purpose enterprises.....enterprises..	8	.....	2	1	5	1	6	1	.....
Area irrigated.....acres..	6,559	.....	330	250	5,979	80	2,779	3,700	.....
Type of enterprise:									
Single-farm.....enterprises..	3,458	362	854	1,968	274	2,425	1,005	28	.....
.....acres..	337,407	3,967	91,348	107,006	55,086	40,368	259,302	37,737	.....
Mutual:									
Unincorporated.....enterprises..	47	1	10	29	7	6	39	2	.....
.....acres irrigated..	15,735	1,996	1,799	8,860	3,080	443	12,096	3,196	.....
Incorporated.....enterprises..	4	.....	.....	4	.....	.....	4	.....	.....
.....acres irrigated..	1,574	.....	.....	1,574	.....	.....	1,574	.....	.....
Commercial.....enterprises..	262	.....	61	179	22	29	200	30	3
.....acres irrigated..	236,771	.....	152,485	57,946	26,340	1,759	66,258	104,059	64,695
District.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
U. S. Bureau of Reclamation.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
U. S. Bureau of Indian Affairs.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
State.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
City.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation: ⁴									
All primary.....enterprises reporting..	3,714	359	909	2,146	300	2,437	1,216	58	3
.....acres irrigated..	572,500	5,515	235,473	248,079	83,433	41,528	330,822	135,455	64,695
Part primary, part supplemental.....enterprises reporting..	38	.....	10	25	3	7	29	2	.....
.....acres irrigated..	13,666	.....	8,391	4,439	836	349	5,354	7,963	.....
Supplemental irrigation.....acres irrigated..	4,275	.....	1,552	2,486	237	177	2,524	1,574	.....
All supplemental.....enterprises reporting..	19	4	6	9	.....	16	3	.....	.....
.....acres irrigated..	1,046	448	216	382	.....	516	530	.....	.....
Enterprises by number of farms irrigated:									
1-3.....enterprises reporting..	3,446	358	875	1,950	263	2,443	984	19	.....
.....acres irrigated..	246	3	26	185	32	16	217	13	.....
4-9.....enterprises reporting..	59	1	9	43	6	.....	44	15	.....
.....acres irrigated..	18	1	13	2	.....	1	3	12	2
10-29.....enterprises reporting..	1	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	1	.....	.....	.....	.....	.....	.....	.....	.....
30-99.....enterprises reporting..	1	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	1	.....	.....	.....	.....	.....	.....	.....	.....
100-299.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
300-999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,000 and over.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by acreage irrigated:									
1-29.....enterprises reporting..	1,952	342	242	1,259	109	1,952	.....	.....	.....
.....acres irrigated..	508	7	351	121	29	508	.....	.....	.....
30-99.....enterprises reporting..	1,133	12	288	711	122	.....	1,133	.....	.....
.....acres irrigated..	115	1	16	70	28	.....	115	.....	.....
100-499.....enterprises reporting..	41	1	9	19	12	.....	.....	41	.....
.....acres irrigated..	19	.....	16	.....	3	.....	.....	19	.....
500-999.....enterprises reporting..	2	.....	2	.....	.....	.....	.....	.....	2
.....acres irrigated..	1	.....	1	.....	.....	.....	.....	.....	1
1,000-2,999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
3,000-9,999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
10,000-29,999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
30,000 and over.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
USE OF SURFACE, GROUND, PUMPED AND STORED WATER									
Surface water:									
Gravity only.....enterprises reporting..	363	363	.....	.....	.....	350	12	1	.....
.....acres irrigated..	5,963	5,963	.....	.....	.....	1,627	2,340	1,996	.....
Pumped only.....enterprises reporting..	925	.....	925	.....	.....	592	305	25	3
.....acres irrigated..	245,632	.....	245,632	.....	.....	23,787	67,045	90,105	64,695
Gravity and pumped.....enterprises reporting..	20	.....	.....	.....	20	10	8	2	.....
.....acres irrigated..	4,977	.....	.....	.....	4,977	501	1,769	2,707	.....
Ground water only (pumped from wells).....enterprises reporting..	2,180	.....	.....	2,180	.....	1,380	761	19	.....
.....acres irrigated..	255,386	.....	.....	255,386	.....	14,063	218,353	22,970	.....
Surface (gravity or pumped) and ground.....enterprises reporting..	283	.....	.....	.....	283	128	142	13	.....
.....acres irrigated..	79,529	.....	.....	.....	79,529	2,592	49,723	27,214	.....
Stored water:									
None stored.....enterprises reporting..	3,727	358	914	2,171	284	2,417	1,224	53	3
.....acres irrigated..	566,980	3,750	240,379	251,508	71,343	42,253	328,000	131,232	64,695
Part stored.....enterprises reporting..	34	3	5	8	10	5	23	6	.....
.....acres irrigated..	22,099	208	4,887	3,873	13,131	133	10,202	11,764	.....
All stored.....enterprises reporting..	10	2	6	1	1	8	1	1	.....
.....acres irrigated..	2,408	2,005	366	5	32	184	228	1,996	.....

¹"Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded.
²Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.
³Surface water includes water from springs and from flowing wells.
⁴For interstate enterprises, data represent characteristics within the State.

IRRIGATION OF AGRICULTURAL LANDS

State Table 4 (Part 2 of 3).—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

[For interstate enterprises, data represent characteristics within the State, except where otherwise noted. Acreage irrigated by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²			
		Surface ³		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
SOURCES OF SURFACE WATER⁴									
Streams (and lakes).....enterprises reporting..	701	38	543	.....	120	306	375	37	3
.....acres irrigated..	271,414	4,233	208,332	.....	58,849	15,907	75,180	115,632	64,695
Springs.....enterprises reporting..	5	1	3	.....	1	3	2	.....	.....
.....acres irrigated..	362	1	236	.....	125	9	353	.....	.....
Flowing wells.....enterprises reporting..	468	321	29	.....	118	454	12	2	.....
.....acres irrigated..	9,082	1,688	514	.....	6,880	2,387	3,988	2,707	.....
Drainage water.....enterprises reporting..	436	3	353	.....	80	246	184	6	.....
.....acres irrigated..	64,475	41	36,900	.....	27,534	10,644	43,741	10,090	.....
Sewage.....enterprises reporting..	1	.....	1	.....	.....	.....	1	.....	.....
.....acres irrigated..	290	.....	290	.....	.....	.....	290	.....	.....
Other sources.....enterprises reporting..	5	.....	3	.....	2	1	4	.....	.....
.....acres irrigated..	885	.....	460	.....	425	20	865	.....	.....
DRAINAGE OF IRRIGATED LAND									
Irrigated land drained:									
Enterprises reporting.....enterprises..	502	14	211	212	65	230	234	35	3
.....acres irrigated..	231,401	3,023	157,965	38,618	31,795	7,360	66,542	92,804	64,695
Acreage artificially drained.....acres..	212,156	3,022	152,331	30,889	25,914	6,560	52,114	88,787	64,695
Irrigated land in need of drainage:									
Enterprises reporting.....enterprises..	223	24	86	83	30	89	124	10	.....
.....acres irrigated..	58,070	146	16,149	25,056	16,719	2,686	40,277	15,107	.....
Acreage in need of drainage.....acres..	38,381	141	12,430	15,286	10,524	2,314	26,953	9,114	.....
IRRIGATION WORKS									
Diversion dams.....enterprises reporting..	130	20	60	28	22	65	62	3	.....
.....dams..	314	29	169	54	62	81	220	13	.....
Diversion dams by material:									
Concrete or masonry.....dams..	28	.....	14	7	7	15	10	3	.....
Timber.....dams..	95	16	44	15	20	23	72	.....	.....
Earth or rock.....dams..	172	7	105	27	33	36	126	10	.....
Other, mixed, and not reported.....dams..	19	6	6	5	2	7	12	.....	.....
Reservoirs.....enterprises reporting..	45	5	11	8	21	12	28	5	.....
.....reservoirs..	55	7	13	8	27	12	35	8	.....
Reservoirs for which capacity was reported.....reservoirs..	54	6	13	8	27	12	35	8	.....
.....total capacity, acre-feet..	31,235	14,204	6,196	1,573	9,262	666	8,394	22,175	.....
Reservoirs by capacity:									
1-99 acre-feet.....reservoirs..	23	3	7	5	8	9	13	1	.....
100-999 acre-feet.....reservoirs..	26	2	5	3	16	2	21	3	.....
1,000 acre-feet and over.....reservoirs..	5	1	1	.....	3	.....	1	4	.....
Reservoir dams by material:									
Concrete or masonry.....dams..	2	.....	1	1	.....	.....	2	.....	.....
Earth or rock.....dams..	48	7	11	6	24	10	31	7	.....
Other, mixed, and not reported.....dams..	5	.....	2	1	2	.....	2	.....	.....
Canals and ditches.....enterprises reporting..	1,137	58	349	587	143	373	720	41	3
.....total length, miles..	3,299	62	1,329	1,385	523	352	1,718	867	362
Pipelines and siphons.....enterprises reporting..	93	13	48	20	12	47	36	10	.....
.....total length, miles..	58	2	34	14	8	16	17	25	.....
Tunnels.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....total length, feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flowing wells.....enterprises reporting..	469	324	29	.....	116	455	12	2	.....
.....wells..	757	528	41	.....	188	732	20	5	.....
Pumped wells.....enterprises reporting..	2,456	.....	.....	2,180	276	1,503	923	30	.....
.....wells..	3,324	.....	.....	2,945	379	2,073	1,140	111	.....
Wells for which pumping lift was reported.....wells..	2,505	.....	.....	2,229	276	1,524	892	89	.....
Average pumping lift.....feet..	34	.....	.....	35	28	19	58	48	.....
Irrigation pumps.....enterprises reporting..	3,385	1	913	2,169	302	2,100	1,230	53	2
.....pumps..	5,108	2	1,451	2,971	684	2,788	2,057	242	21
Electric motors used for pumping.....enterprises reporting..	966	.....	22	867	77	868	88	9	1
.....electric motors..	1,198	.....	44	1,047	107	1,047	127	21	3
Other motors and engines used for pumping.....enterprises reporting..	2,502	1	873	1,394	234	1,306	1,143	51	2
.....other motors and engines..	3,668	2	1,241	1,864	561	1,543	1,893	214	18
SEASON OF IRRIGATION									
Enterprises reporting and acreage irrigated:									
Water delivered only before July 1.....enterprises reporting..	135	31	29	69	6	113	21	1	.....
.....acres irrigated..	8,670	123	4,581	3,874	92	1,469	4,201	3,000	.....
Water delivered before and after July 1.....enterprises reporting..	3,416	303	842	1,987	284	2,172	1,185	56	3
.....acres irrigated..	566,965	4,849	233,582	244,451	84,083	37,861	325,623	138,786	64,695
Water delivered only after July 1.....enterprises reporting..	151	17	29	95	10	136	14	1	.....
.....acres irrigated..	5,585	254	2,916	2,084	331	1,212	3,373	1,000	.....
NEW CAPITAL INVESTMENT									
New capital investment Jan. 1, 1940 to Jan. 1, 1950:									
Enterprises reporting.....enterprises..	2,481	126	664	1,458	233	1,466	974	41	.....
Amount.....dollars..	9,671,087	50,674	1,296,946	6,785,109	1,538,358	1,240,941	7,165,392	1,264,754	.....
Area irrigated.....acres..	380,420	1,313	106,249	206,282	66,576	30,184	270,086	80,150	.....
INDEBTEDNESS⁵									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	17	.....	2	12	3	3	12	1	1
Amount.....dollars..	974,400	.....	850,150	53,950	70,300	8,450	49,450	66,500	850,000
Area irrigated.....acres..	49,066	.....	41,198	3,768	4,100	202	4,038	3,700	41,126
Arreage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Amount.....dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Area irrigated.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹Complete-system¹ irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded. ²Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise. ³Surface water includes water from springs and from flowing wells. ⁴Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the State. ⁵Not reported by single-farm enterprises.

State Table 4 (Part 3 of 3)—COMPLETE-SYSTEM IRRIGATION ENTERPRISES BY SURFACE, GROUND, GRAVITY AND PUMPED WATER; AND BY ACREAGE IRRIGATED: CENSUS OF 1950

(For interstate enterprises data represent characteristics within the State, except where otherwise noted. Acreage irrigated by 2 or more enterprises is counted for each enterprise)

Item (For definitions and explanations, see text)	Total complete-system enterprises ¹	Type of water ²				Acres irrigated ²			
		Surface ³		Crown ⁴ (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
COST OF WATER TO FARMS⁴									
Total cost of water to farms:									
Enterprises reporting.....	3,771	363	925	2,180	303	2,460	1,248	60	3
Cost.....dollars..	5,210,414	26,854	2,373,660	2,090,291	719,609	302,837	2,560,918	1,493,989	852,670
Area irrigated.....acres..	591,487	5,963	245,632	255,906	84,506	42,570	339,230	144,992	64,695
Cost per acre irrigated.....dollars..	8.81	4.50	9.66	8.18	8.52	7.11	7.55	10.30	13.18
Enterprises by cost per acre:									
Less than \$1.00.....	522	349	74	74	25	448	69	5	
Enterprises reporting.....	28,682	3,703	9,634	12,520	2,825	3,623	16,967	8,092	
acres irrigated.....	254	1	86	137	30	142	109	3	
\$1.00-\$1.99.....	36,913	2	11,287	16,011	9,613	3,915	27,770	5,228	
Enterprises reporting.....	982	3	312	577	90	592	380	10	
acres irrigated.....	133,777	41	38,674	76,058	19,004	13,471	108,724	11,582	
\$2.00-\$4.99.....	1,064	4	259	709	92	697	354	13	
Enterprises reporting.....	129,174	211	45,115	61,716	22,132	17,323	87,157	30,694	
acres irrigated.....	949	6	194	683	66	581	336	29	
\$5.00-\$9.99.....	262,941	2,006	140,922	89,081	30,932	10,238	98,612	89,396	64,695
Enterprises reporting.....									
acres irrigated.....									
Cost of water for primary irrigation:									
Enterprises reporting.....	3,752	359	919	2,171	303	2,444	1,245	60	2
Cost.....dollars..	5,157,790	26,854	2,356,478	2,056,824	717,634	298,310	2,532,895	1,473,915	852,670
Area supplied primary irrigation.....acres..	586,166	5,515	243,064	252,518	84,269	41,877	336,176	143,418	64,695
Cost per acre supplied.....dollars..	8.80	4.87	9.66	8.15	8.52	7.12	7.53	10.28	13.18
Cost of water for supplemental irrigation:									
Enterprises reporting.....	57	4	16	34	3	23	32	2	
Cost.....dollars..	52,624	0	17,182	33,467	1,975	4,527	28,023	20,074	
Area supplied supplemental irrigation.....acres..	5,321	448	1,768	2,868	237	693	3,054	1,574	
Cost per acre supplied.....dollars..	9.89	0.00	9.72	11.67	8.33	6.53	9.18	12.75	
Cost to farms for purposes other than operation and maintenance: ⁵									
Enterprises reporting.....	291	1	56	208	26	33	236	19	3
Cost.....dollars..	1,293,799	20,000	483,578	636,578	153,641	20,896	713,182	272,572	287,149
Area irrigated.....acres..	196,608	1,996	107,586	67,942	19,084	2,064	77,542	52,307	64,695
Cost per acre irrigated.....dollars..	6.58	10.02	4.49	9.37	8.05	10.12	9.20	5.21	4.44
Arrearage in payments by farms, Jan. 1, 1950: ⁵									
Enterprises reporting.....	3			1	2		3		
Amount.....dollars..	1,950			1,000	950		1,950		
Area irrigated.....acres..	920			120	800		920		
QUANTITIES OF WATER REPORTED⁵									
Total obtained from all sources ⁶	305	1	71	206	27	34	236	32	3
Enterprises reporting.....	549,878	4,400	374,100	113,852	57,526	3,791	129,973	254,771	161,343
acres-foot.....	98	1	70		27	22	46	27	3
Surface sources.....	419,818	4,400	373,850		41,568	2,081	23,221	233,173	161,343
acres-foot.....	230		1	206	23	14	206	10	
Pumped wells.....	130,060		250	113,852	15,958	1,710	106,752	21,598	
acres-foot.....									
Other enterprises.....									
acres-foot.....									
Conveyance loss ⁶	303	1	69	206	27	34	235	31	3
Enterprises reporting.....	46,286	352	32,418	8,049	5,467	270	9,542	25,816	10,658
acres-foot.....									
Delivered: ⁶									
Direct to farms.....	305	1	71	206	27	34	236	32	3
Enterprises reporting.....	500,435	4,048	338,645	105,683	52,059	3,521	120,311	227,532	149,071
acres-foot.....	0		7	1			1	6	1
To other enterprises.....	3,107		3,037	70			70	1,423	1,614
acres-foot.....	1						1		
For use other than irrigation.....	50			50			50		
acres-foot.....									
Delivered to farms for primary irrigation:									
Enterprises reporting.....	305	1	71	206	27	34	236	32	3
Quantity delivered.....acres-foot..	493,023	4,048	335,470	101,851	51,654	3,382	117,441	223,129	149,071
Acreage supplied primary irrigation.....acres..	247,558	1,996	153,042	64,480	28,040	2,049	74,980	105,834	64,695
Quantity per acre supplied.....acres-foot..	2.0	2.0	2.2	1.6	1.8	1.7	1.6	2.1	2.3
Delivered to farms for supplemental irrigation:									
Enterprises reporting.....	14		4	9	1	1	11	2	
Quantity delivered.....acres-foot..	6,325		2,935	2,985	405	139	2,526	3,660	
Acreage supplied supplemental irrigation.....acres..	3,014		1,242	1,572	200	83	1,357	1,574	
Quantity per acre supplied.....acres-foot..	2.1		2.4	1.9	2.0	1.7	1.9	2.3	
Cost of water to farms for enterprises reporting quantity delivered:									
Cost for primary irrigation.....dollars..	3,252,492	25,000	1,895,863	930,748	400,881	36,882	1,055,454	1,307,486	852,670
Average cost per acre-foot.....dollars..	6.60	6.18	5.65	9.14	7.76	10.91	8.99	5.86	5.72
Cost for supplemental irrigation.....dollars..	42,646		15,292	25,604	1,750	539	22,033	20,074	
Average cost per acre-foot.....dollars..	6.74		5.21	8.58	4.32	3.88	8.72	5.48	
Measurement of water to farms:									
No water measured.....	300	1	67	204	28	32	234	31	3
Enterprises reporting.....	249,703	1,996	153,564	64,803	29,340	1,992	76,829	106,187	64,695
acres.....									
Part of water measured.....									
Enterprises reporting.....									
acres.....									
All water measured.....									
Enterprises reporting.....									
acres.....									

¹Complete-system irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water direct to farms, less than 10 percent to other irrigation enterprises; and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded.
²Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise.
³Surface water includes water from springs and from flowing wells.
⁴Enterprises with reported cost of \$0 in 1949 are included.
⁵Not reported by single-farm enterprises.
⁶For interstate enterprises, data represent characteristics of the entire enterprise.

IRRIGATION OF AGRICULTURAL LANDS

Parish Table 1.—IRRIGATED FARMS: NUMBER, ACREAGE, AND

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		The State	Acadia	Allen	Ascension	Assump- tion	Avoyelles	Beaure- gard	Calcasieu
1	Irrigated farms.....number 1950..	7,438	1,110	180	30	3	18	24	313
2	.....number 1945..	7,185	1,298	191	4	5	9	5	364
3	Proportion of all farms.....percent 1950..	6.0	33.2	13.9	2.1	0.7	0.4	1.4	16.5
4	Land in irrigated farms.....acres 1950..	1,528,991	232,414	54,280	2,849	3,038	29,274	9,172	265,099
5	.....average per farm, acres 1950..	205.6	209.4	301.6	95.0	1,012.7	1,626.3	382.2	847.0
6	Value of land and buildings.....average per farm, dollars 1950..	20,951	27,213	24,877	6,286	.....	46,090	20,788	91,975
7	.....average per acre, dollars 1950..	104.91	132.13	78.94	81.99	.....	29.73	49.64	85.89
8	Proportion of irrigated farms reporting value.....percent 1950..	85	85	78	120	.....	100	33	65
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	83	84	81	97	.....	95	37	82
Land in irrigated farms according to use, 1949:									
10	Cropland harvested.....farms reporting..	7,421	1,108	180	30	3	18	24	310
11	.....acres..	622,994	111,960	25,140	1,704	463	7,209	4,307	71,349
12	Cropland used only for pasture.....acres..	475,227	68,286	10,861	435	12	1,502	544	105,920
13	Cropland not harvested and not pastured.....acres..	67,641	23,002	7,499	121	418	956	120	4,425
14	Woodland pastured.....acres..	73,287	7,697	4,309	225	.....	1,000	675	14,077
15	Other pasture (not cropland and not woodland).....acres..	132,503	4,599	1,496	65	.....	112	2,228	55,109
16	Land pastured, total.....farms reporting..	5,374	803	114	20	1	9	16	239
17	.....acres..	681,017	80,582	16,666	725	12	2,614	3,447	175,106
18	Irrigated land in farms.....acres 1949..	576,775	108,390	25,089	1,487	463	3,753	4,259	70,905
19	.....1944..	535,619	113,576	19,730	2,675	1,032	874	634	55,724
20	Land irrigated by sprinklers.....farms reporting 1949..	36	2	.....	1	.....	.....	.....	.....
21	.....acres 1949..	1,067	239	.....	1	.....	.....	.....	.....
Irrigated land in farms according to use, 1949:									
22	Irrigated cropland harvested.....farms reporting..	7,400	1,100	177	30	3	18	24	310
23	.....acres..	571,665	107,193	24,928	1,487	463	3,753	4,259	70,364
24	Irrigated pasture.....farms reporting..	74	22	3	.....	.....	.....	.....	5
25	.....acres..	4,434	1,191	63	.....	.....	.....	.....	435
26	Irrigated wild grass pasture.....farms reporting..	46	18	2	.....	.....	.....	.....	5
27	.....acres..	3,400	1,075	13	.....	.....	.....	.....	435
28	Irrigated tame grass pasture.....farms reporting..	30	4	1	.....	.....	.....	.....	.....
29	.....acres..	1,034	116	50	.....	.....	.....	.....	.....
30	Irrigated cropland not harvested and not pastured.....farms reporting..	65	2	2	.....	.....	.....	.....	3
31	.....acres..	676	6	98	.....	.....	.....	.....	106
Irrigated farms by acres irrigated in 1949:									
32	1-9 acres.....farms reporting..	2,134	77	15	27	.....	2	3	17
33	10-19 acres.....farms reporting..	1,003	137	15	1	.....	1	3	14
34	20-29 acres.....farms reporting..	601	83	4	.....	.....	1	.....	6
35	30-49 acres.....farms reporting..	774	131	14	.....	.....	.....	2	29
36	50-99 acres.....farms reporting..	1,047	265	22	.....	1	2	2	44
37	100-199 acres.....farms reporting..	1,015	259	63	.....	1	3	7	65
38	200 acres and over.....farms reporting..	864	158	47	2	1	9	7	138
Irrigated farms by tenure of operator, 1950:									
39	Full owners.....number..	3,334	311	55	21	.....	4	9	72
40	Part owners.....number..	1,759	361	74	6	.....	3	5	117
41	Managers.....number..	50	9	.....	.....	1	3	.....	4
42	Tenants.....number..	2,295	429	51	3	2	8	10	120
Land in wholly and in partly irrigated farms:									
43	Wholly irrigated farms.....number 1950..	4,280	751	145	6	3	12	20	244
44	All land.....acres 1950..	996,659	160,153	44,621	1,810	3,038	7,294	8,360	209,884
45	Cropland harvested.....acres 1949..	411,547	78,479	21,530	1,432	463	3,503	4,136	57,985
46	Irrigated land.....acres 1949..	412,781	78,614	21,630	1,432	463	3,503	4,136	58,242
47	Partly irrigated farms.....number 1950..	3,158	359	35	24	.....	6	4	69
48	All land.....acres 1950..	532,332	72,261	9,649	1,039	.....	21,980	812	59,215
49	Cropland harvested, total.....farms reporting 1949..	3,141	357	35	24	.....	6	4	66
50	.....acres 1949..	211,447	33,481	3,610	272	.....	3,706	171	13,364
51	Irrigated land.....acres 1949..	163,994	29,776	3,459	55	.....	250	123	12,663
52	Irrigated cropland harvested.....farms reporting 1949..	3,120	349	32	24	.....	6	4	66
53	.....acres 1949..	160,118	28,714	3,398	55	.....	250	123	12,379
Characteristics of wholly irrigated and nonirrigated farms:									
54	Wholly irrigated farms.....number 1950..	4,280	751	145	6	3	12	20	244
55	Average acreage per farm:	.....	.....	.....	.....	.....	.....	.....	.....
56	All land.....acres 1949..	232.9	213.3	307.8	301.7	1,012.7	607.8	418.0	843.8
57	Cropland harvested.....acres 1949..	96.2	104.5	148.5	238.7	154.3	291.9	206.8	237.6
58	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	(¹)	(¹)	.....	.....	.....	.....	.....	(¹)
59	Vegetables harvested for sale.....acres 1949..	0.2	(¹)	.....	0.2	.....	.....	0.1	(¹)
59	Small grains (including sorghums).....acres 1949..	95.0	104.1	147.5	237.2	154.3	287.9	206.7	236.9
60	All hay.....acres 1949..	0.2	0.1	(¹)	.....	.....	.....	.....	1.8
Farms by tenure of operator:									
61	Full owners and managers.....number 1950..	1,854	215	35	3	1	2	6	59
62	Part owners.....number 1950..	1,151	263	64	2	.....	2	4	83
63	Tenants.....number 1950..	1,275	273	46	1	2	8	10	102
64	Value of land and buildings per farm.....dollars 1950..	23,871	29,023	27,166	10,050	.....	27,083	20,788	89,994
65	Nonirrigated farms.....number 1950..	116,743	2,236	1,115	1,425	406	4,545	1,678	1,583
66	Average acreage per farm:	.....	.....	.....	.....	.....	.....	.....	.....
67	All land.....acres 1949..	82.9	38.5	56.9	77.2	243.4	44.5	97.0	86.1
68	Cropland harvested.....acres 1949..	21.6	14.7	6.8	18.5	120.3	18.7	8.2	2.2
69	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.5	(¹)	0.1	0.1	0.1	(¹)	1.1	0.1
70	Vegetables harvested for sale.....acres 1949..	0.2	(¹)	0.2	0.1	0.1	0.1	0.1	(¹)
71	Small grains (including sorghums).....acres 1949..	0.9	0.1	0.3	0.2	0.2	0.1	0.5	0.1
71	All hay.....acres 1949..	2.1	0.5	1.3	1.9	1.3	2.9	1.9	1.2
Farms by tenure of operator:									
72	Full owners and managers.....number 1950..	60,014	835	900	1,124	233	2,141	1,321	1,289
73	Part owners.....number 1950..	9,825	1,07	57	163	93	802	125	95
74	Tenants.....number 1950..	46,904	1,294	158	138	80	1,602	232	199
75	Value of land and buildings per farm.....dollars 1950..	5,285	6,381	3,927	7,433	24,151	4,085	4,252	9,353
Irrigated farms and irrigated land by origin of water, 1949:									
Individually operated supply works and—									
76	No other irrigation enterprise.....farms reporting..	3,398	201	29	30	3	9	14	99
77	.....acres irrigated..	267,509	34,396	6,797	1,487	463	2,097	3,477	24,578
78	1 other irrigation enterprise.....farms reporting..	205	38	2	.....	.....	2	.....	12
79	.....acres irrigated..	37,149	6,082	910	.....	.....	420	.....	9,430
80	2 or more other irrigation enterprises.....farms reporting..	15	3	1	.....	.....	.....	.....	.....
81	.....acres irrigated..	3,639	1,289	250	.....	.....	.....	.....	.....
No individually operated supply works but—									
82	1 other irrigation enterprise.....farms reporting..	3,629	799	137	.....	.....	7	10	194
83	.....acres irrigated..	243,326	57,721	14,946	.....	.....	1,236	782	34,514
84	2 or more other irrigation enterprises.....farms reporting..	191	69	11	.....	.....	.....	.....	8
85	.....acres irrigated..	25,152	8,902	2,186	.....	.....	.....	.....	2,383

See footnote at end of Parish Table 1.

IRRIGATION OF AGRICULTURAL LANDS

Parish Table 1.—IRRIGATED FARMS; NUMBER, ACREAGE, AND OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945—Continued

[1950 data for items shown in italics are based on reports for only a sample of farms. See text.]

Item (For definitions and explanations, see text)		St. John the Baptist	St. Landry	St. Martin	St. Mary	St. Tammany	Tangi- paha	Vermilion	All other parishes
1	Irrigated farms.....number 1950..	3	300	23	11	6	1,188	1,610	12
2	.....number 1945..	5	352	53	19	7	532	1,794	13
3	Proportion of all farms.....percent 1950..	1.5	4.1	1.0	2.8	0.4	26.1	50.6	0.1
4	Land in irrigated farms.....acres 1950..	2,635	39,460	12,694	16,172	684	29,335	300,176	8,741
5	.....average per farm, acres 1950..	878.3	131.5	551.9	1,470.2	114.0	24.7	186.4	728.4
6	Value of land and buildings.....average per farm, dollars 1950..	150,000	17,425	.....	101,712	5,000	4,419	20,336	43,500
7	.....average per acre, dollars 1950..	103.45	143.25	.....	52.63	20.08	184.28	108.98	99.81
8	Proportion of irrigated farms reporting value.....percent 1950..	33	93	.....	73	83	90	86	50
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	55	86	.....	96	182	88	86	30
Land in irrigated farms according to use, 1949:									
10	Cropland harvested.....farms reporting..	3	300	23	11	5	1,188	1,605	12
11	.....acres..	1,666	21,086	4,256	5,970	100	8,118	134,852	3,240
12	Cropland used only for pasture.....acres..	92	6,659	806	350	9	1,475	109,916	1,314
13	Cropland not harvested and not pastured.....acres..	607	2,237	103	2,529	86	2,507	5,022	639
14	Woodland pastured.....acres..	25	2,234	4,478	185	425	4,313	11,338	723
15	Other pasture (not cropland and not woodland).....acres..	100	3,283	1,560	3,577	34	1,130	10,458	1,155
16	Land pastured, total.....farms reporting..	2	181	14	6	6	618	1,402	10
17	.....acres..	217	12,176	6,844	4,112	468	6,918	131,712	3,192
18	Irrigated land in farms.....acres 1949..	810	17,604	2,801	3,803	90	5,037	129,416	1,715
19	.....acres 1944..	701	19,633	4,512	3,599	540	2,520	117,275	990
20	Land irrigated by sprinklers.....farms reporting 1949..	1	.....	.....	.....	.....	13	9	2
21	.....acres 1949..	7	.....	.....	.....	.....	41	449	65
Irrigated land in farms according to use, 1949:									
22	Irrigated cropland harvested.....farms reporting..	3	300	23	11	5	1,184	1,605	12
23	.....acres..	810	17,548	2,801	3,803	89	4,990	127,543	1,683
24	Irrigated pasture.....farms reporting..	.....	.....	.....	.....	.....	4	16	2
25	.....acres..	.....	.....	.....	.....	.....	15	1,738	15
26	Irrigated wild grass pasture.....farms reporting..	.....	.....	.....	.....	.....	1	9	.....
27	.....acres..	.....	.....	.....	.....	.....	7	1,331	.....
28	Irrigated tame grass pasture.....farms reporting..	.....	.....	.....	.....	.....	3	7	2
29	.....acres..	.....	.....	.....	.....	.....	8	407	15
30	Irrigated cropland not harvested and not pastured.....farms reporting..	.....	2	.....	.....	1	13	5	2
31	.....acres..	.....	56	.....	.....	1	32	135	17
Irrigated farms by acres irrigated in 1949:									
32	1-9 acres.....farms reporting..	.....	46	.....	.....	2	1,117	123	3
33	10-19 acres.....farms reporting..	.....	68	3	.....	1	60	241	1
34	20-29 acres.....farms reporting..	.....	34	6	.....	2	10	203	.....
35	30-49 acres.....farms reporting..	.....	54	.....	.....	1	1	299	2
36	50-99 acres.....farms reporting..	.....	47	3	.....	.....	.....	359	4
37	100-199 acres.....farms reporting..	.....	1	7	3	.....	.....	232	.....
38	200 acres and over.....farms reporting..	.....	2	4	8	.....	.....	153	2
Irrigated farms by tenure of operator, 1950:									
39	Full owners.....number..	.....	116	1	.....	5	888	607	6
40	Part owners.....number..	.....	50	16	.....	1	71	514	1
41	Managers.....number..	.....	2	.....	.....	.....	.....	7	3
42	Tenants.....number..	.....	132	6	10	.....	229	482	2
Land in wholly and in partly irrigated farms:									
43	Wholly irrigated farms.....number 1950..	1	122	9	6	2	473	1,084	5
44	All land.....acres 1950..	500	14,652	5,148	4,836	137	9,025	204,767	1,535
45	Cropland harvested.....acres 1949..	360	9,084	746	2,315	39	2,345	93,574	889
46	Irrigated land.....acres 1949..	360	9,084	746	2,315	39	2,375	93,843	904
47	Partly irrigated farms.....number 1950..	2	178	14	5	4	715	526	7
48	All land.....acres 1950..	2,135	24,808	7,546	11,336	547	20,310	95,409	7,206
49	Cropland harvested, total.....farms reporting 1949..	2	178	14	5	3	715	521	7
50	.....acres 1949..	1,306	12,002	3,510	3,655	61	5,773	41,278	2,351
51	Irrigated land.....acres 1949..	450	8,520	2,055	1,488	51	2,662	35,373	811
52	Irrigated cropland harvested.....farms reporting 1949..	2	178	14	5	3	711	521	7
53	.....acres 1949..	450	8,464	2,055	1,488	50	2,645	33,969	794
Characteristics of wholly irrigated and nonirrigated farms:									
54	Wholly irrigated farms.....number 1950..	1	122	9	6	2	473	1,084	5
55	Average acreage per farm:	.....	.....	.....	.....	.....	.....	.....	.....
56	All land.....acres 1949..	500.00	120.1	572.0	806.0	68.5	19.1	188.9	307.0
57	Cropland harvested.....acres 1949..	360.0	74.5	82.9	385.8	19.5	5.0	86.3	177.8
58	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	.....	(¹)	.....	.....	.....	(¹)	(¹)	0.2
59	Vegetables harvested for sale.....acres 1949..	.....	.....	.....	.....	.....	3.5	(¹)	0.6
60	Small grains (including sorghums).....acres 1949..	360.0	74.0	82.9	385.8	9.0	(¹)	86.2	175.0
61	All hay.....acres 1949..	.....	0.6	.....	.....	.....	0.1	(¹)	2.2
62	Farms by tenure of operator:	.....	.....	.....	.....	.....	.....	.....	.....
63	Full owners and managers.....number 1950..	1	51	.....	.....	2	356	413	2
64	Part owners.....number 1950..	.....	23	5	.....	.....	23	361	1
65	Tenants.....number 1950..	.....	48	4	.....	.....	94	310	2
66	Value of land and buildings per farm.....dollars 1950..	.....	10,918	.....	220,000	.....	4,162	20,542	.....
67	Nonirrigated farms.....number 1950..	192	7,069	2,215	380	1,449	3,363	1,570	63,481
68	Average acreage per farm:	.....	.....	.....	.....	.....	.....	.....	.....
69	All land.....acres 1949..	335.2	39.9	50.3	380.2	86.6	53.6	65.6	95.8
70	Cropland harvested.....acres 1949..	87.8	19.4	28.6	148.0	19.9	7.2	14.9	22.5
71	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.2	0.1	0.1	0.2	12.8	1.9	0.1	0.1
72	Vegetables harvested for sale.....acres 1949..	8.5	(¹)	1.2	(¹)	0.2	0.4	(¹)	0.1
73	Small grains (including sorghums).....acres 1949..	0.5	(¹)	(¹)	0.1	0.2	0.1	(¹)	0.3
74	All hay.....acres 1949..	2.4	0.8	1.4	0.8	2.3	1.0	2.8	0.9
75	Farms by tenure of operator:	.....	.....	.....	.....	.....	.....	.....	.....
76	Full owners and managers.....number 1950..	124	2,264	641	160	1,289	2,704	728	32,486
77	Part owners.....number 1950..	36	370	313	105	35	100	182	5,352
78	Tenants.....number 1950..	32	4,435	261	115	125	559	660	25,643
79	Value of land and buildings per farm.....dollars 1950..	26,394	5,005	5,866	27,795	7,941	4,269	7,800	5,793
Irrigated farms and irrigated land by origin of water, 1949:									
80	Individually operated supply works and—	.....	.....	.....	.....	.....	.....	.....	.....
81	No other irrigation enterprise.....farms reporting..	3	106	18	11	6	1,155	625	9
82	.....acres irrigated..	810	10,494	2,674	3,803	90	4,931	71,152	1,658
83	1 other irrigation enterprise.....farms reporting..	.....	.....	.....	.....	.....	2	85	3
84	.....acres irrigated..	.....	.....	.....	.....	.....	3	9,666	57
85	2 or more other irrigation enterprises.....farms reporting..	.....	3	.....	.....	.....	.....	1	.....
86	.....acres irrigated..	.....	347	.....	.....	.....	.....	400	.....
87	No individually operated supply works but—	.....	.....	.....	.....	.....	.....	.....	.....
88	1 other irrigation enterprise.....farms reporting..	.....	185	5	.....	.....	31	875	.....
89	.....acres irrigated..	.....	6,512	127	.....	.....	103	46,166	.....
90	2 or more other irrigation enterprises.....farms reporting..	.....	6	.....	.....	.....	.....	24	.....
91	.....acres irrigated..	.....	251	.....	.....	.....	.....	2,032	.....

¹Less than 0.05.

Parish Table 2 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY PARISHES: CENSUSES OF 1950 AND 1940

[Interparish enterprises are counted in each parish in which they had irrigation works, but only once in State total. For interparish and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the parish or State, except where otherwise noted.]

Item (For definitions and explanations, see text)		The State	Acadia	Allen	Ascension	Assumption	Avoyelles
ALL ENTERPRISES							
Farms and land irrigated:							
1	All irrigation enterprises.....enterprises 1950..	3,905	372	58	31	3	5
2	.....enterprises 1940..	2,566	328	37	8	(*)	4
3	Interparish enterprises.....enterprises 1950..	28	7	6			
4	Irrigated farms ¹.....farms 1950..	7,438	1,110	180	30	3	18
5	Average per enterprise.....farms 1950..	1.9	3.0	3.1	1.0	1.0	3.6
6	Farms irrigated direct per enterprise ².....farms 1950..	2.1	3.6	3.6	1.0	1.0	2.2
7	Irrigated land ¹.....acres 1949..	597,966	119,090	25,929	1,666	463	3,207
8	.....acres 1939..	447,095	106,377	16,122	2,804	(*)	830
9	Average per irrigated farm.....acres 1949..	80.4	107.3	144.0	55.5	154.3	178.2
10	Average per enterprise.....acres 1949..	153	320	447	54	154	641
11	Average acreage irrigated direct per enterprise ².....acres 1949..	155	323	447	54	154	641
Type of enterprise, 1950:							
12	Single-farm.....enterprises..	3,584	254	34	31	3	5
13	.....acres irrigated..	342,590	49,038	10,562	1,666	463	3,207
Mutual:							
14	Unincorporated.....enterprises..	47	15	7			
15	.....acres irrigated..	15,735	4,592	2,675			
16	Incorporated.....enterprises..	4	1				
17	.....acres irrigated..	1,574	(³)				
18	Commercial.....enterprises..	270	102	17			
19	.....acres irrigated..	243,588	66,406	12,692			
20	District.....enterprises..						
21	.....acres irrigated..						
22	U. S. Bureau of Reclamation.....enterprises..						
23	.....acres irrigated..						
24	U. S. Bureau of Indian Affairs.....enterprises..						
25	.....acres irrigated..						
26	State.....enterprises..						
27	.....acres irrigated..						
28	City.....enterprises..						
29	.....acres irrigated..						
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
30	Gravity only.....enterprises reporting..	416		1	15		
31	.....acres irrigated..	6,500		3	23		
32	Pumped only.....enterprises reporting..	974	86		8	3	3
33	.....acres irrigated..	253,080	47,108	1,033	1,023	463	1,576
34	Gravity and pumped.....enterprises reporting..	22					
35	.....acres irrigated..	5,428					
36	Ground water only (pumped from wells).....enterprises reporting..	2,193	264	50	4		2
37	.....acres irrigated..	256,337	64,481	16,290	13		1,631
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	300	22	3	4		
39	.....acres irrigated..	82,142	8,738	8,603	607		
Stored water:							
40	None stored.....enterprises reporting..	3,858	368	54	31	3	5
41	.....acres irrigated..	578,296	119,459	24,224	1,666	463	3,207
42	Part stored.....enterprises reporting..	36	3	2			
43	.....acres irrigated..	22,383	808	1,467			
44	All stored.....enterprises reporting..	11	1	2			
45	.....acres irrigated..	2,808	60	238			
Sources of surface water, 1949: ⁴							
46	Streams (and lakes).....enterprises reporting..	758	97	8	11	3	3
47	.....acres irrigated..	282,114	54,747	9,639	1,628	463	1,576
48	Springs.....enterprises reporting..	6					
49	.....acres irrigated..	362					
50	Flowing wells.....enterprises reporting..	525			17		
51	.....acres irrigated..	9,120			27		
52	Drainage water.....enterprises reporting..	444	11				
53	.....acres irrigated..	65,113	1,099				
54	Sewage.....enterprises reporting..	1					
55	.....acres irrigated..	290					
56	Other sources.....enterprises reporting..	6					
57	.....acres irrigated..	1,163					
Drainage of irrigated land: ⁵							
Irrigated land drained:							
58	Enterprises reporting.....enterprises 1949..	511	27	6	6	3	3
59	Area supplied primary irrigation.....acres 1949..	238,622	37,787	3,490	1,609	463	1,576
60	Area artificially drained.....acres 1949..	219,219	37,747	2,553	1,609	463	1,576
61	.....acres 1939..	99,654	35,398	526	(*)	(*)	
Irrigated land in need of drainage:							
62	Enterprises reporting.....enterprises 1949..	230	6	16	1	2	
63	Area supplied primary irrigation.....acres 1949..	64,943	1,842	6,433	600	295	
64	Area in need of drainage.....acres 1949..	39,952	1,085	3,713	600	295	
65	.....acres 1939..	12,379	270	355		(*)	

See footnotes at end of Parish Table 2, Part 1.

IRRIGATION OF AGRICULTURAL LANDS

Parish Table 2 (Part 1 of 4).--IRRIGATION ENTERPRISES: NUMBER AND

[Interparish enterprises are counted in each parish in which they had irrigation works, but only once in State total. For interparish and interstate enterprises,

Item (For definitions and explanations, see text)		Beauregard	Calcasieu	Cameron	Evangeline	Iberia	Iberville	Jefferson Davis
ALL ENTERPRISES								
Farms and land irrigated:								
1	All irrigation enterprises.....enterprises 1950..	21	101	32	238	35	5	350
2	1940..	(*)	91	15	278	17	5	299
3	Interparish enterprises.....enterprises 1950..	.....	7	6	6	2	.....	11
4	Irrigated farms ¹.....farms 1950..	24	313	53	1,077	38	4	783
5	Average per enterprise.....farms 1950..	1.1	3.1	1.7	4.5	1.1	0.8	2.2
6	Farms irrigated direct per enterprise ².....farms 1950..	1.4	3.3	2.2	5.0	1.2	1.0	2.6
7	Irrigated land ¹.....acres 1949..	5,592	68,190	15,823	53,079	7,582	1,961	116,143
8	.....acres 1939..	(*)	64,825	11,852	17,086	3,988	1,308	99,166
9	Average per irrigated farm.....acres 1949..	233.0	217.9	298.5	49.3	199.5	490.2	148.3
10	Average per enterprise.....acres 1949..	266	675	494	223	217	392	332
11	Average acreage irrigated direct per enterprise ².....acres 1949..	266	680	494	227	217	392	332
Type of enterprise, 1950:								
12	Single-farm.....enterprises..	20	88	25	192	32	5	297
13	.....acres irrigated..	5,142	27,385	6,744	34,882	7,237	1,961	71,630
Mutual:								
14	Incorporated.....enterprises..	.....	.....	.....	7	2	.....	3
15	.....acres irrigated..	.....	.....	.....	5,033	(³)	.....	663
16	Incorporated.....enterprises..	.....	.....	.....	2	.....	.....	.....
17	.....acres irrigated..	.....	.....	.....	(³)	.....	.....	.....
18	Commercial.....enterprises..	1	13	7	37	1	.....	50
19	.....acres irrigated..	(³)	41,290	9,079	13,102	(³)	.....	43,880
20	District.....enterprises..	.....	.....	.....	.....	.....	.....	.....
21	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
22	U. S. Bureau of Reclamation.....enterprises..	.....	.....	.....	.....	.....	.....	.....
23	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
24	U. S. Bureau of Indian Affairs.....enterprises..	.....	.....	.....	.....	.....	.....	.....
25	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	.....	.....	.....	.....	.....	.....	.....
29	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:								
Surface water:								
30	Gravity only.....enterprises reporting..	1	6	1	9	1	.....	4
31	.....acres irrigated..	130	1,349	200	2,561	32	.....	156
32	Pumped only.....enterprises reporting..	2	42	14	47	17	3	57
33	.....acres irrigated..	5	44,743	7,733	1,789	3,258	1,373	31,009
34	Gravity and pumped.....enterprises reporting..	.....	.....	1	1	2	.....	6
35	.....acres irrigated..	.....	.....	198	80	528	.....	2,741
36	Ground water only (pumped from wells).....enterprises reporting..	18	39	7	154	5	1	253
37	.....acres irrigated..	5,457	17,713	1,438	40,987	1,439	148	62,849
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	.....	14	9	27	10	1	30
39	.....acres irrigated..	.....	4,870	6,254	8,598	2,325	440	19,418
Stored water:								
40	None stored.....enterprises reporting..	21	97	28	227	34	5	344
41	.....acres irrigated..	5,592	66,519	13,274	48,510	7,332	1,961	109,744
42	Part stored.....enterprises reporting..	.....	3	4	9	1	.....	6
43	.....acres irrigated..	.....	1,756	2,549	3,477	250	.....	6,429
44	All stored.....enterprises reporting..	.....	1	.....	2	.....	.....	.....
45	.....acres irrigated..	.....	400	.....	2,028	.....	.....	.....
Sources of surface water, 1949: ⁴								
46	Streams (and lakes).....enterprises reporting..	2	51	18	60	27	4	57
47	.....acres irrigated..	130	49,102	11,334	10,325	5,578	1,813	46,140
48	Springs.....enterprises reporting..	1	.....	.....	.....	.....	.....	.....
49	.....acres irrigated..	5	.....	.....	.....	.....	.....	.....
50	Flowing wells.....enterprises reporting..	.....	1	.....	5	1	.....	5
51	.....acres irrigated..	.....	230	.....	810	400	.....	3,357
52	Drainage water.....enterprises reporting..	.....	11	7	19	.....	.....	40
53	.....acres irrigated..	.....	1,860	3,051	1,893	.....	.....	10,884
54	Sewage.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
55	.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	4	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	843	.....	.....
Drainage of irrigated land: ⁵								
Irrigated land drained:								
58	Enterprises reporting.....enterprises 1949..	.....	40	14	44	16	2	54
59	Area supplied primary irrigation.....acres 1949..	.....	49,857	8,100	15,255	4,046	559	35,075
60	Area artificially drained.....acres 1949..	.....	48,065	6,581	11,624	3,813	559	31,530
61	.....acres 1939..	(*)	7,113	1,447	1,732	1,620	(*)	25,416
Irrigated land in need of drainage:								
62	Enterprises reporting.....enterprises 1949..	1	13	12	19	6	1	29
63	Area supplied primary irrigation.....acres 1949..	450	9,190	4,564	8,099	2,158	440	10,977
64	Area in need of drainage.....acres 1949..	450	3,448	2,845	4,921	1,836	440	5,476
65	.....acres 1939..	(*)	2,100	700	.....	400	.....	4,575

*Not available. ¹Farms or acres irrigated direct by 2 or more enterprises are counted only once. Number of irrigated farms is from the U. S. Census of Agriculture. Acreage irrigated is from the Census of Irrigation and therefore differs from acreage irrigated shown in Parish Table 1. (See text.) ²Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise. ³Data for less than 3 enterprises not shown separately. ⁴Enterprises reporting water from more than 1 source are counted for each. ⁵For interparish and interstate enterprises, data represent characteristics within the parish or State.

CHARACTERISTICS, BY PARISHES: CENSUSES OF 1950 AND 1940—Continued

number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the parish or State, except where otherwise noted

Lafayette	Livingston	Morehouse	Plaquemines	St. James	St. John the Baptist	St. Landry	St. Martin	St. Mary	St. Tammany	Tangipahoa	Vermilion	All other parishes		
47	485	5	15	22	3	118	17	12	5	1,220	724	13	1	
26	158	(*)	37	24	(*)	69	22	13	(*)	762	365	(*)	2	
2						6					7		3	
101	478	6	15	33	3	300	23	11	6	1,188	1,610	31	4	
2.1	1.0	1.2	1.0	1.5	1.0	2.5	1.4	0.9	1.2	1.0	2.2	1.5	5	
2.4	1.0	1.0	1.0	3.4	1.0	2.5	1.0	1.1	1.0	1.0	2.4	1.0	6	
7,845	2,097	900	3,086	1,919	810	18,822	2,174	3,928	89	5,145	130,048	2,378	7	
2,727	826	(*)	548	3,681	(*)	8,002	3,010	2,875	(*)	3,211	95,148	(*)	8	
78.4	4.4	150.0	205.7	58.2	270.0	62.7	94.5	357.1	14.8	4.3	80.8	118.9	9	
167	4	180	206	87	270	160	128	327	18	4	180	183	10	
172	4	180	206	87	270	174	128	327	18	4	181	183	11	
37	485	5	15	22	3	91	17	12	5	1,220	688	13	12	
6,111	2,097	900	3,086	1,919	810	12,599	2,174	3,928	89	5,145	81,437	2,378	13	
3						4					7		14	
353						1,146					1,023		15	
						1							16	
						(3)							17	
7						22					29		18	
1,616						6,512					43,466		19	
													20	
													21	
													22	
													23	
													24	
													25	
													26	
													27	
													28	
													29	
	110		11	3		6			2	244	1	1	30	
	472		46	68		108			39	753	400	160	31	
5	23	3	4	16	3	33	13	12		7	570	9	32	
655	94	500	3,040	1,820	810	3,354	1,344	3,928		46	95,509	867	33	
	1									2	9		34	
	2									39	1,840		35	
38	301	1		3		72			1	916	78	2	36	
6,628	1,192	220		31		15,977			10	4,038	15,094	701	37	
4	50	1				7	4		2	51	66	1	38	
797	337	180				1,103	830		40	269	18,083	650	39	
47	484	5	15	22	3	118	17	11	4	1,217	720	10	40	
8,080	2,092	900	3,086	1,919	810	20,542	2,174	3,378	80	5,132	126,442	1,710	41	
								1			3	1	42	
								550			13	4,434	650	43
									1		1	2	44	
	1								9		50	18	45	
	5													
8		4	15	19	3	45	15	11		5	299	8	46	
1,120		680	3,086	1,888	810	4,440	1,854	3,378		48	71,611	724	47	
	1					1					2	1	48	
	1					125					228	3	49	
	1												50	
1	183								4	298	10		51	
332	904								79	1,068	1,913		52	
										2	352	2	53	
									550		8	44,818	950	54
														55
														56
							2							57
							320							
26	8		3	1		14	1	1		86	164	3	58	
4,276	26		18	75		2,797	18	550		542	71,500	1,003	59	
3,841	26		18	75		2,149	18	550		468	65,153	801	60	
	35	(*)	124	(*)	(*)	2,752	802	550	(*)	952	18,794	(*)	61	
8	18		10	2		1	1	2	3	9	71	2	62	
1,369	102		41	323		40	300	786	70	53	16,091	720	63	
624	86		41	313		40	300	674	70	53	12,407	235	64	
		(*)	5	(*)	(*)	85		600	(*)	78	1,636	(*)	65	

IRRIGATION OF AGRICULTURAL LANDS

Parish Table 2 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS.

[Interparish enterprises are counted in each parish in which they had irrigation works, but only once in State total. For interparish enterprises,

Item (For definitions and explanations, see text)	The State	Acadia	Allen	Ascension	Assumption	Avoyelles
ALL ENTERPRISES						
Irrigation works:						
1 Diversion dams.....enterprises reporting 1950..	135	7	5		2	1
2 ..dams 1950..	319	26	16		2	1
3 ..dams 1940..	105	3	8		(*)	
Diversion dams by material:						
4 Concrete or masonry.....dams 1950..	28	2				
5 Timber.....dams 1950..	95	16				
6 Earth and rock.....dams 1950..	175	5	16			1
7 Other, mixed, and not reported.....dams 1950..	21	3			2	
8 Reservoirs.....enterprises reporting 1950..	47	3	4			
9 ..reservoirs 1950..	58	3	8			
10 ..reservoirs 1940..	75	4		5	(*)	
11 Reservoirs for which capacity was reported.....reservoirs 1950..	57	3	8			
12 total capacity, acre-feet 1950..	31,249	182	1,295			
13 ..total capacity, acre-feet 1940..	34,199	160		2,255	(*)	
Reservoirs by capacity:						
14 1-99 acre-feet.....reservoirs 1950..	26	2	2			
15 100-999 acre-feet.....reservoirs 1950..	26	1	6			
16 1,000 acre-feet and over.....reservoirs 1950..	5					
Reservoir dams by material:						
17 Concrete or masonry.....dams 1950..	2					
18 Earth and rock.....dams 1950..	51	2	8			
19 Other, mixed, and not reported.....dams 1950..	5	1				
20 Canals and ditches.....enterprises reporting 1950..	1,178	286	36	3	3	1
21 total length, miles 1950..	3,477	889	167	5	6	6
22 ..total length, miles 1940..	2,421	667	86	4	(*)	2
23 Pipelines and siphons ².....enterprises reporting 1950..	95	9		5		
24 total length, miles 1950..	62	20		2		
25 ..total length, miles 1940..	64	16	(1)	1	(*)	(1)
26 Tunnels.....enterprises reporting 1950..						
27 total length, feet 1950..						
28 Flowing wells.....enterprises reporting 1950..	525			17		
29 wells 1950..	849			17		
30 wells 1940..	502				(*)	
31 Pumped wells.....enterprises reporting 1950..	2,487	283	52	8		2
32 wells 1950..	3,365	362	68	10		4
33 wells 1940..	1,504	235	26		(*)	1
34 Wells for which pumping lift was reported.....wells 1949..	2,524	299	64	10		2
35 Average pumping lift.....feet 1949..	35	70	54	8		50
36 ..average pumping lift.....feet 1939..	45	69	54		(*)	(*)
37 Irrigation pumps.....enterprises reporting 1950..	3,470	368	57	16	3	5
38 pumps 1950..	5,221	491	85	22	8	10
39 pumping plants 1940..	2,326	379	40	10	(*)	7
40 Electric motors used for pumping.....enterprises reporting 1950..	974	17	1	4		1
41 electric motors 1950..	1,188	25	1	4		1
42 Other motors and engines used for pumping.....enterprises reporting 1950..	2,579	356	57	11	3	5
43 other motors and engines 1950..	3,768	460	86	13	8	9
Season of Irrigation, 1949:						
44 Water delivered only before July 1.....enterprises reporting..	137	6		1		
45 ..acres irrigated..	8,689	609		1		
46 Water delivered before and after July 1.....enterprises reporting..	3,473	355	56	27	3	5
47 ..acres irrigated..	579,521	119,024	25,064	1,658	463	3,207
48 Water delivered only after July 1.....enterprises reporting..	154	2	2	3		
49 ..acres irrigated..	5,637	85	865	7		
Capital Investment:						
50 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	11,565,513	3,662,073	292,290	39,300	(*)	10,350
New capital investment Jan. 1, 1940, to Jan. 1, 1950:						
51 Enterprises reporting.....enterprises 1950..	2,545	263	44	7	2	2
52 Amount.....dollars 1950..	9,937,527	1,677,621	499,744	14,480	900	49,100
53 Area irrigated direct.....acres 1949..	390,210	60,604	21,887	1,616	295	2,704
54 Total capital investment Jan. 1, 1950.....dollars 1950..	21,503,040	5,339,694	792,034	53,780	(*)	59,450
Indebtedness:³						
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:						
55 Enterprises reporting.....enterprises 1950..	18	7	3			
56 Amount.....dollars 1950..	977,400	106,900	10,550			
57 Amount.....dollars 1940..	2,748,768	503,442	17,500		(*)	
58 Area irrigated direct.....acres 1949..	49,196	5,183	1,010			
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:						
59 Enterprises reporting.....enterprises 1950..						
60 Amount.....dollars 1950..						
61 Area irrigated direct.....acres 1949..						

See footnotes at end of Parish Table 2, Part 2.

Parish Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY PARISHES: CENSUSES OF 1950- AND 1940

[Interparish enterprises are included in each parish in which they had irrigation works, but only once in State total. For interparish and interstate enterprises, data represent characteristics within the parish or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State	Acadia	Allen	Ascension	Assumption	Avoyelles
ALL ENTERPRISES						
Cost of water to farms, 1949:¹						
Total cost of water to farms:						
Enterprises reporting.....enterprises..	3,830	372	58	31	3	5
Cost.....dollars..	5,340,707	1,181,895	287,006	5,577	2,400	24,400
Area irrigated direct.....acres..	603,487	120,327	25,929	1,666	463	3,207
Cost per acre irrigated direct.....dollars..	8.85	9.82	11.07	3.35	5.18	7.61
Total cost per irrigated acre.....dollars..	8.93	9.92	11.07	3.35	5.18	7.61
Total cost per acre-foot of water.....dollars..	4.46	5.22	5.83	(³)	(³)	(³)
Enterprises by cost per acre:						
Less than \$1.00.....enterprises reporting..	528	6	1	17		
acres irrigated..	29,761	1,475	1,732	628		
\$1.00-\$1.99.....enterprises reporting..	256	20	5		1	
acres irrigated..	37,588	4,290	1,322		168	
\$2.00-\$4.99.....enterprises reporting..	993	104	11	2		3
acres irrigated..	134,789	25,562	3,393	12		1,434
\$5.00-\$9.99.....enterprises reporting..	1,070	102	14	4	2	1
acres irrigated..	129,948	28,723	3,253	1,014	295	350
\$10.00 and over.....enterprises reporting..	983	140	27	8		1
acres irrigated..	271,401	60,277	16,229	12		1,423
Cost of water for primary irrigation:						
Enterprises reporting.....enterprises..	3,811	369	58	31	3	5
Cost.....dollars..	5,284,483	1,172,369	287,006	5,577	2,400	24,400
Area supplied primary irrigation.....acres..	597,966	119,090	25,929	1,666	463	3,207
Cost per acre supplied.....dollars..	8.84	9.84	11.07	3.35	5.18	7.61
Cost of water for supplemental irrigation:						
Enterprises reporting.....enterprises..	58	12				
Cost.....dollars..	56,224	9,526				
Area supplied supplemental irrigation.....acres..	5,521	1,237				
Cost per acre supplied.....dollars..	10.18	7.70				
Cost to farms for purposes other than operation and maintenance:⁴						
Enterprises reporting.....enterprises..	296	109	20			
Cost.....dollars..	1,305,616	364,424	65,923			
Area irrigated direct.....acres..	197,660	40,844	7,441			
Cost per acre irrigated.....dollars..	6.61	8.92	8.86			
Arrearage in payments by farms, Jan. 1, 1950:⁴						
Enterprises reporting.....enterprises..	3					
Amount.....dollars..	1,950					
Area irrigated direct.....acres..	920					
SINGLE-FARM ENTERPRISES, 1950						
Single-farm enterprises.....enterprises..	3,584	254	34	31	3	5
Area irrigated.....acres..	342,590	49,038	10,562	1,666	463	3,207
Complete-system enterprises ⁵.....enterprises..	3,458	250	34	31	3	5
Area irrigated.....acres..	337,407	48,338	10,562	1,666	463	3,207
Other farms irrigated:						
Enterprises reporting.....number..	538	93	20			2
Number of other farms.....farms..	1,473	217	49			6
Area irrigated in other farms.....acres..	65,766	11,417	3,634			1,550
Enterprises by origin of water supply:⁵						
No water from other enterprises.....enterprises reporting..	3,532	250	34	31	3	5
acres irrigated..	337,407	48,338	10,562	1,666	463	3,207
Part of water from other enterprises.....enterprises reporting..	17	3				
acres irrigated..	3,373	670				
All of water from other enterprises.....enterprises reporting..	35	1				
acres irrigated..	1,810	30				
Enterprises by primary and supplemental irrigation:						
All primary.....enterprises reporting..	3,467	243	34	31	3	5
acres irrigated..	336,747	47,528	10,562	1,666	463	3,207
Part primary, part supplemental.....enterprises reporting..	24	8				
acres irrigated..	3,536	807				
Primary irrigation.....acres irrigated..	1,261	493				
Supplemental irrigation.....acres irrigated..	19	3				
All supplemental.....enterprises reporting..	1,046	210				
acres irrigated..						
Enterprises by number of acres irrigated:⁵						
None.....enterprises reporting..	74					
1-9 acres.....enterprises reporting..	1,646	3	1	28		
10-29 acres.....enterprises reporting..	323	14	1	1		
30-59 acres.....enterprises reporting..	250	23				1
60-99 acres.....enterprises reporting..	241	33	2		1	
100-199 acres.....enterprises reporting..	429	73	9		1	
200-499 acres.....enterprises reporting..	514	97	16		1	1
500-999 acres.....enterprises reporting..	77	9	3		1	
1,000 acres or more.....enterprises reporting..	30	2	2		1	3

See footnotes at end of Parish Table 2, Part 3.

IRRIGATION OF AGRICULTURAL LANDS

Parish Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND

[Interparish enterprises are included in each parish in which they had irrigation works, but only once in State total. For interparish and interstate enterprises,

Item (For definitions and explanations, see text)	Reauegard	Calcasieu	Cameron	Evangeline	Iberia	Iberville	Jefferson Davis
ALL ENTERPRISES							
Cost of water to farms, 1949: ¹							
Total cost of water to farms:							
1 Enterprises reporting.....enterprises..	16	100	32	237	34	5	348
2 Cost.....dollars..	21,867	672,178	135,643	521,170	40,967	13,710	967,906
3 Area irrigated direct.....acres..	5,592	68,675	15,823	54,015	7,582	1,961	116,173
4 Cost per acre irrigated direct.....dollars..	3.91	9.79	8.57	9.65	5.40	6.99	8.33
5 Total cost per irrigated acre.....dollars..	3.91	9.86	8.57	9.82	5.40	6.99	8.33
6 Total cost per acre-foot of water ².....dollars..	(³)	4.93	4.76	5.78	2.57	(³)	4.16
Enterprises by cost per acre:							
7 Less than \$1.00.....enterprises reporting..	1	15	1	16	4	1	22
8 acres irrigated..	130	4,011	300	1,079	882	411	6,006
9 \$1.00-\$1.99.....enterprises reporting..	1	6	4	19	2		26
10 acres irrigated..	410	1,635	1,255	4,213	340		8,952
11 \$2.00-\$4.99.....enterprises reporting..	7	25	8	47	7	1	98
12 acres irrigated..	3,430	10,676	2,360	10,648	1,904	148	26,515
13 \$5.00-\$9.99.....enterprises reporting..	5	30	10	57	13	2	106
14 acres irrigated..	1,392	11,276	3,321	13,016	3,229	863	30,188
15 \$10.00 and over.....enterprises reporting..	2	24	9	98	8	1	96
16 acres irrigated..	230	41,077	8,587	25,059	1,227	539	44,512
Cost of water for primary irrigation:							
17 Enterprises reporting.....enterprises..	16	99	32	229	34	5	348
18 Cost.....dollars..	21,867	671,109	135,643	509,166	40,967	13,710	967,794
19 Area supplied primary irrigation.....acres..	5,592	68,190	15,823	53,079	7,582	1,961	116,143
20 Cost per acre supplied.....dollars..	3.91	9.84	8.57	9.59	5.40	6.99	8.33
Cost of water for supplemental irrigation:							
21 Enterprises reporting.....enterprises..		3		13			1
22 Cost.....dollars..		1,069		12,004			112
23 Area supplied supplemental irrigation.....acres..		485		936			30
24 Cost per acre supplied.....dollars..		2.20		12.82			3.73
Cost to farms for purposes other than operation and maintenance: ⁴							
25 Enterprises reporting.....enterprises..	1	10	5	45	3		46
26 Cost.....dollars..	1,980	141,634	26,704	158,354	2,082		208,789
27 Area irrigated direct.....acres..	450	33,309	5,017	17,933	345		34,005
28 Cost per acre irrigated.....dollars..	4.40	4.25	5.32	8.72	6.03		6.14
Arrearage in payments by farms, Jan. 1, 1950: ⁴							
29 Enterprises reporting.....enterprises..		1					2
30 Amount.....dollars..		900					1,050
31 Area irrigated direct.....acres..		700					220
SINGLE-FARM ENTERPRISES, 1950							
32 Single-farm enterprises.....enterprises..	20	88	25	192	32	5	297
33 Area irrigated.....acres..	5,142	27,385	6,744	34,882	7,237	1,961	71,630
34 Complete-system enterprises ⁵.....enterprises..	15	78	25	187	30	5	291
35 Area irrigated.....acres..	5,142	25,318	6,744	34,149	6,959	1,961	71,362
Other farms irrigated:							
36 Enterprises reporting.....number..	6	22	3	89	6		101
37 Number of other farms.....farms..	14	41	3	557	7		188
38 Area irrigated in other farms.....acres..	1,710	5,569	850	15,582	689		12,332
Enterprises by origin of water supply: ⁵							
39 No water from other enterprises.....enterprises reporting..	20	78	25	188	31	5	293
40 acres irrigated..	5,142	25,318	6,744	34,149	6,959	1,961	71,362
41 Part of water from other enterprises.....enterprises reporting..		2		4			1
42 acres irrigated..		865		733	278		110
43 All of water from other enterprises.....enterprises reporting..		8					3
44 acres irrigated..		1,202					158
Enterprises by primary and supplemental irrigation:							
45 All primary.....enterprises reporting..	15	85	25	181	31	5	294
46 acres irrigated..	5,142	26,430	6,744	33,614	7,237	1,961	71,240
47 Part primary, part supplemental.....enterprises reporting..		2		2			1
48 Primary irrigation.....acres irrigated..		450		895			360
49 Supplemental irrigation.....acres irrigated..		255		51			30
50 All supplemental.....enterprises reporting..		1		8			
51 acres irrigated..		230		322			
Enterprises by number of acres irrigated: ⁵							
52 None.....enterprises reporting..	5			1	1		2
53 1-9 acres.....enterprises reporting..	1	3	2	13	1		2
54 10-29 acres.....enterprises reporting..	1		4	23	2		9
55 30-59 acres.....enterprises reporting..		6	2	27	1		18
56 60-99 acres.....enterprises reporting..	1	10	5	17	3		26
57 100-199 acres.....enterprises reporting..	3	10	2	43	9	1	87
58 200-499 acres.....enterprises reporting..	7	44	4	52	13	3	130
59 500-999 acres.....enterprises reporting..	1	12	3	15	1	1	17
60 1,000 acres or more.....enterprises reporting..	1	3	3	1	1		6

¹Enterprises with reported cost of \$0 in 1949 are included.

²Average cost per irrigated acre divided by calculated average quantity of water per acre. (Parish Table 2, Part 4, line 66.)

³Average not given because number of enterprises reporting quantity of water was not sufficient to provide satisfactory data.

⁴Not reported by single-farm enterprises.

⁵For interparish and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the parish or State.

CHARACTERISTICS, BY PARISHES: CENSUSES OF 1950 AND 1940—Continued

data represent characteristics within the parish or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Lafayette	Livingston	Morehouse	Plaquemines	St. James	St. John the Baptist	St. Landry	St. Martin	St. Mary	St. Tammany	Tangipahoa	Vermilion	All other parishes	
47	485	5	15	22	3	114	17	12	5	1,165	718	13	1
79,411	9,095	5,497	675	11,452	5,317	181,704	24,545	19,472	400	34,750	1,078,535	15,135	2
8,080	2,097	900	3,086	1,919	810	20,542	2,174	3,928	89	5,145	130,926	2,378	3
9.83	4.34	6.11	0.22	5.97	6.56	8.85	11.29	4.96	4.49	6.75	8.24	6.36	4
10.12	4.34	6.11	0.22	5.97	6.56	9.65	11.29	4.96	4.49	6.75	8.29	6.36	5
6.32	(3)	(3)	(3)	(3)	(3)	5.36	(3)	(3)	(3)	(3)	3.45	(3)	6
1	151	.....	14	5	.....	6	1	1	3	211	48	3	7
120	662	.....	3,076	235	.....	601	140	17	49	964	6,805	438	8
3	53	.....	.....	2	.....	12	1	.....	.....	22	81	.....	9
806	268	.....	.....	15	.....	1,194	270	.....	.....	161	12,289	.....	10
10	122	1	.....	7	1	35	5	6	.....	231	263	4	11
1,632	592	250	.....	596	360	5,920	735	2,526	.....	1,223	34,522	351	12
14	85	3	1	6	1	22	2	5	.....	397	189	3	13
1,932	343	430	10	892	300	4,702	375	1,385	.....	1,705	19,508	1,446	14
19	74	1	.....	2	1	39	8	.....	2	304	137	3	15
3,590	232	220	.....	181	150	8,125	654	.....	40	1,092	57,802	143	16
47	485	5	15	22	3	113	17	12	5	1,165	712	13	17
78,607	9,095	5,497	675	11,452	5,317	159,235	24,545	19,472	400	34,750	1,068,295	15,135	18
7,845	2,097	900	3,086	1,919	810	18,822	2,174	3,928	89	5,145	130,048	2,378	19
10.02	4.34	6.11	0.22	5.97	6.56	8.46	11.29	4.96	4.49	6.75	8.21	6.36	20
4	.....	.....	.....	.....	.....	14	.....	.....	.....	.....	12	.....	21
804	.....	.....	.....	.....	.....	22,469	.....	.....	.....	.....	10,240	.....	22
235	.....	.....	.....	.....	.....	1,720	.....	.....	.....	.....	878	.....	23
3.42	.....	.....	.....	.....	.....	13.06	.....	.....	.....	.....	11.66	.....	24
10	.....	.....	.....	.....	.....	27	.....	.....	.....	.....	32	.....	25
22,831	.....	.....	.....	.....	.....	60,683	.....	.....	.....	.....	254,212	.....	26
1,969	.....	.....	.....	.....	.....	7,943	.....	.....	.....	.....	48,404	.....	27
11.60	.....	.....	.....	.....	.....	7.64	.....	.....	.....	.....	5.25	.....	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
37	485	5	15	22	3	91	17	12	5	1,220	688	13	32
6,111	2,097	900	3,086	1,919	810	12,599	2,174	3,928	89	5,145	81,437	2,378	33
37	485	5	15	21	3	87	16	12	5	1,165	655	13	34
6,111	2,097	900	3,086	1,900	810	12,599	2,014	3,928	89	5,145	80,479	2,378	35
16	1	.....	.....	6	.....	26	.....	1	.....	26	124	.....	36
34	2	.....	.....	52	.....	65	.....	1	.....	34	203	.....	37
1,573	6	.....	.....	135	.....	2,483	.....	110	.....	106	8,020	.....	38
37	485	5	15	21	3	91	16	12	5	1,220	661	13	39
6,111	2,097	900	3,086	1,900	810	12,599	2,014	3,928	89	5,145	80,479	2,378	40
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	5	.....	41
.....	.....	.....	.....	.....	.....	.....	160	.....	.....	.....	557	.....	42
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	.....	43
.....	.....	.....	.....	19	.....	.....	.....	.....	.....	.....	401	.....	44
33	485	5	15	22	3	84	17	12	5	1,165	671	13	45
5,330	2,097	900	3,086	1,919	810	12,150	2,174	3,928	89	5,145	80,927	2,378	46
4	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	5	.....	47
546	.....	.....	.....	.....	.....	246	.....	.....	.....	.....	232	.....	48
235	.....	.....	.....	.....	.....	113	.....	.....	.....	.....	84	.....	49
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	6	.....	50
.....	.....	.....	.....	.....	.....	90	.....	.....	.....	.....	194	.....	51
.....	.....	.....	.....	.....	.....	4	.....	.....	.....	55	6	.....	52
4	450	.....	12	4	.....	4	.....	.....	1	1,088	26	3	53
2	34	.....	2	8	.....	8	.....	4	1	76	129	1	54
1	1	1	.....	3	.....	9	1	.....	1	1	152	2	55
5	.....	.....	.....	2	.....	17	1	.....	.....	.....	116	2	56
12	.....	1	.....	2	1	22	8	.....	3	.....	141	1	57
11	.....	3	.....	2	2	23	3	.....	5	.....	99	2	58
.....	.....	.....	.....	1	.....	.....	.....	.....	3	.....	10	2	59
2	.....	.....	1	.....	.....	2	.....	.....	.....	.....	9	.....	60

IRRIGATION OF AGRICULTURAL LANDS

Parish Table 2 (Part 4 of 4).-- IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY PARISHES: CENSUSES OF 1950 AND 1940

[Interparish enterprises are counted in each parish in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	The State ¹	Acadia	Allen	Calcasieu	Cameron	Evangeline	Iberia	Jefferson Davis	Lafayette	St. Landry	Vermillion
MULTIPLE-FARM ENTERPRISES, 1950											
1 Multiple-farm enterprises, total number ².....enterprises..	321	118	24	13	7	46	3	53	10	27	36
2 Area irrigated direct.....acres..	260,897	71,289	15,367	41,290	9,079	19,133	345	44,543	1,969	7,943	49,489
3 Multiple-purpose enterprises ².....enterprises..	8	.....	.....	2	1	.....	.....	.....	.....	.....	4
4 Area irrigated direct.....acres..	6,559	.....	.....	780	979	.....	.....	3,700	.....	.....	1,100
5 Complete-system enterprises.....enterprises..	313	118	24	11	7	42	3	53	10	27	34
6 Area irrigated direct.....acres..	254,080	71,289	15,367	35,725	9,079	18,211	345	44,543	1,969	7,943	49,159
Enterprises by origin of water supply:²											
7 No water from other enterprises.....enterprises reporting..	320	118	24	13	7	45	3	53	10	27	36
8 acres irrigated.....	260,447	71,289	15,367	41,290	9,079	18,683	345	44,543	1,969	7,943	49,489
9 Part of water from other enterprises.....enterprises reporting..	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
10 acres irrigated.....	450	.....	.....	.....	.....	450	.....	.....	.....	.....	.....
11 All water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12 acres irrigated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by delivery of irrigation water:²											
13 No water delivered.....enterprises reporting..	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
14 Water delivered direct to farms only.....enterprises reporting..	305	116	24	9	7	42	3	49	9	27	33
15 acres irrigated.....	179,878	60,052	15,367	32,648	9,079	17,998	345	21,794	1,670	7,943	12,532
16 Water delivered to farms and to other enterprises.....enterprises reporting..	14	2	.....	3	.....	4	.....	4	1	.....	3
17 acres irrigated.....	81,019	11,237	.....	8,642	.....	1,135	.....	22,749	299	.....	36,957
18 Water delivered to other enterprises only.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation:³											
19 All primary.....enterprises reporting..	305	117	24	12	7	43	3	53	10	16	35
20 acres irrigated.....	247,303	65,289	15,367	41,290	9,079	17,220	345	44,543	1,969	4,919	46,832
21 Part primary, part supplemental.....enterprises reporting..	15	1	.....	.....	.....	3	.....	.....	.....	11	1
22 Primary irrigation.....acres irrigated..	10,380	5,466	.....	.....	.....	1,350	.....	.....	.....	1,507	2,057
23 Supplemental irrigation.....acres irrigated..	3,214	534	.....	.....	.....	563	.....	.....	.....	1,517	600
24 All supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 acres irrigated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct:²											
26 None.....enterprises reporting..	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
27 1-3.....enterprises reporting..	157	65	12	2	3	7	3	25	5	12	22
28 4-9.....enterprises reporting..	109	39	10	3	2	20	.....	18	4	12	7
29 10-29.....enterprises reporting..	37	7	1	3	.....	17	.....	4	.....	3	5
30 30-99.....enterprises reporting..	16	6	1	4	2	2	.....	5	.....	.....	1
31 100-299.....enterprises reporting..	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
32 300-999.....enterprises reporting..	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
33 1,000 or more.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by acres irrigated direct:²											
34 None.....enterprises reporting..	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
35 1-99 acres.....enterprises reporting..	36	14	.....	1	.....	1	1	6	3	4	6
36 100-999 acres.....enterprises reporting..	249	92	22	3	4	42	2	35	6	22	26
37 1,000-2,999 acres.....enterprises reporting..	13	5	1	2	.....	3	.....	3	.....	1	1
38 3,000-9,999 acres.....enterprises reporting..	19	6	1	4	3	.....	.....	9	.....	.....	2
39 10,000-29,999 acres.....enterprises reporting..	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
40 30,000 acres or more.....enterprises reporting..	1	1	.....	.....	.....	.....	.....	.....	1	.....	1
Quantities of water reported, 1949:⁴											
41 Total obtained from all sources ⁴.....enterprises reporting..	312	118	23	11	5	43	3	52	10	27	36
42 percent of all enterprises reporting..	8	32	40	11	16	18	9	15	21	23	5
43 Surface sources.....enterprises reporting..	571,543	248,407	34,360	116,859	27,897	37,725	760	140,710	111,832	15,482	146,843
44 acres-feet.....	101	34	4	10	4	7	3	17	3	4	26
45 Pumped wells.....enterprises reporting..	438,813	203,632	18,725	114,899	25,287	6,450	760	116,752	109,674	485	142,901
46 acres-feet.....	234	92	22	2	2	41	.....	38	7	24	13
47 Other enterprises.....enterprises reporting..	132,230	44,775	15,635	1,960	2,610	30,775	.....	23,958	2,158	14,997	3,942
48 acres-feet.....	500	.....	.....	.....	.....	500	.....	.....	.....	.....	.....
49 Conveyance loss ⁴.....enterprises reporting..	309	117	23	11	5	43	3	52	10	27	34
50 acres-feet.....	48,273	19,776	2,645	11,386	3,599	2,822	34	12,498	5,592	1,136	9,460
Delivered:⁴											
51 Direct to farms.....enterprises reporting..	312	118	23	11	5	43	3	52	10	27	36
52 acres-feet.....	515,760	226,474	31,715	101,290	24,298	34,123	726	127,512	104,626	14,346	135,379
53 To other enterprises.....enterprises reporting..	13	2	.....	3	.....	3	.....	4	.....	.....	3
54 acres-feet.....	7,460	2,157	.....	4,183	.....	730	.....	700	1,614	.....	2,004
55 For use other than irrigation.....enterprises reporting..	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
56 acres-feet.....	50	.....	.....	.....	.....	50	.....	.....	.....	.....	.....
Delivered direct to farms for primary irrigation:³											
57 Enterprises reporting.....enterprises..	312	118	23	11	5	43	3	52	10	27	36
58 Quantity delivered.....acres-feet..	509,034	131,523	27,277	81,814	14,304	30,199	726	90,403	3,244	10,251	118,573
59 Area supplied primary irrigation.....acres..	254,084	70,755	14,727	40,390	7,929	17,541	345	44,473	1,969	6,426	48,889
60 Quantity supplied per acre.....acres-feet..	2.0	1.9	1.9	2.0	1.8	1.7	2.1	2.0	1.6	1.6	2.4
Delivered direct to farms for supplemental irrigation:³											
61 Enterprises reporting.....enterprises..	15	1	.....	.....	.....	3	.....	.....	.....	11	1
62 Quantity delivered.....acres-feet..	6,726	1,181	.....	.....	.....	1,193	.....	.....	.....	2,760	1,592
63 Area supplied supplemental irrigation.....acres..	3,214	534	.....	.....	.....	563	.....	.....	.....	1,517	600
64 Quantity supplied per acre.....acres-feet..	2.1	2.2	.....	.....	.....	2.1	.....	.....	.....	1.8	2.7
65 Total quantity per irrigated acre ⁵.....acres-feet..	2.0	1.9	1.9	2.0	1.8	1.7	2.1	2.0	1.6	1.8	2.4
Cost of water to farms for enterprises reporting quantity delivered, 1949:³											
66 Cost for primary irrigation.....dollars..	3,339,801	911,056	222,492	531,042	83,572	248,890	4,452	566,259	37,334	85,428	645,776
67 Average cost per acre-foot.....dollars..	6.56	6.93	8.16	6.49	5.84	8.24	6.13	6.26	11.51	8.33	5.45
68 Cost for supplemental irrigation.....dollars..	46,096	5,400	.....	.....	.....	11,450	.....	.....	.....	20,047	9,199
69 Average cost per acre-foot.....dollars..	6.83	4.57	.....	.....	.....	9.60	.....	.....	.....	7.26	5.78
Measurement of water to farms, 1949:³											
70 No water measured.....enterprises reporting..	308	113	24	12	7	46	3	51	10	24	34
71 acres irrigated.....	256,520	68,573	15,367	41,210	9,079	19,133	345	44,132	1,969	7,363	48,899
72 Part of water measured.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73 acres irrigated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
74 All water measured.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75 acres irrigated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹Data for less than 3 enterprises in Beauregard Parish included only in totals. ²For interparish and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the parish or State. ³For interparish and interstate enterprises, data represent characteristics within the parish or State. ⁴For interparish and interstate enterprises, data represent characteristics of the entire enterprise. ⁵Calculated average quantity of water per acre, for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

Parish Table 3.—ACREAGE IRRIGATED, BY DRAINAGE BASIN ORIGIN OF WATER, AND BY PARISHES IN WHICH ACREAGE WAS LOCATED: CENSUS OF 1950

[Symbols in parentheses refer to drainage basin symbols on map, "Louisiana: Location of Irrigated Land, 1949." Tributaries not shown separately are included in the portion of the basin designated "direct".]

Item (For definitions and explanations, see text)	The State	Acadia	Allen	Ascension	Assumption	Avoyelles	Beauregard	Calcasieu
Irrigated land, 1949.....acres..	597,966	119,090	25,929	1,666	463	3,207	5,592	68,190
Area irrigated direct, by drainage basin origin of water, 1949: ¹								
All basins.....acres..	603,837	120,327	25,929	1,666	463	3,207	5,592	69,025
Gulf of Mexico excluding Mississippi River.....acres..	595,867	120,327	25,929		463	1,576	5,592	69,025
Excluding Mermentau River (V-A).....acres..	227,023		14,071		463	1,576	5,592	61,527
Gulf of Mexico direct (1a).....acres..	15,317							
Sabine River (9a).....acres..	19,703							19,703
Calcasieu River.....acres..	104,074		14,071				5,592	41,824
Calcasieu River direct (10a).....acres..	68,681		14,071				5,592	39,440
Bayou Serpent (10b).....acres..	35,393							2,384
Vermilion River (11).....acres..	63,779							
Atchafalaya River (12).....acres..	24,150				463	1,576		
Mermentau River (V-D).....acres..	368,844	120,327	11,858					7,498
Mermentau River direct (1).....acres..	84,623							7,498
Nezpieque Bayou (2).....acres..	200,801	93,243	11,858					
Bayou Queue de Tortue (3).....acres..	83,420	27,084						
Mississippi River (VI-A).....acres..	7,970			1,666		1,631		
Mississippi River direct (1).....acres..	6,321			1,666				
Red River (2a).....acres..	1,649					1,631		

Item (For definitions and explanations, see text)	Cameron	Evan- geline	Iberia	Iberville	Jefferson Davis	Lafayette	Living- ston	Morehouse	Plaque- mines
Irrigated land, 1949.....acres..	15,823	53,079	7,582	1,961	116,143	7,845	2,097	900	3,086
Area irrigated direct, by drainage basin origin of water, 1949: ¹									
All basins.....acres..	15,823	54,015	7,582	1,961	116,173	8,080	2,097	900	3,086
Gulf of Mexico excluding Mississippi River.....acres..	15,823	54,015	7,582	1,961	116,173	8,080	2,097		3,086
Excluding Mermentau River (V-A).....acres..	7,788	4,610	7,582	1,961	34,799	988	2,097		3,086
Gulf of Mexico direct (1a).....acres..			2,886	834			2,097		3,086
Sabine River (9a).....acres..									
Calcasieu River.....acres..	7,788				34,799				
Calcasieu River direct (10a).....acres..	7,788				1,790				
Bayou Serpent (10b).....acres..					33,009				
Vermilion River (11).....acres..			477			988			
Atchafalaya River (12).....acres..		4,610	4,219	1,127					
Mermentau River (V-D).....acres..	8,035	49,405			81,374	7,092			
Mermentau River direct (1).....acres..	8,035				49,257				
Nezpieque Bayou (2).....acres..		49,405			32,117				
Bayou Queue de Tortue (3).....acres..						7,092			
Mississippi River (VI-A).....acres..								900	
Mississippi River direct (1).....acres..								900	
Red River (2a).....acres..									

Item (For definitions and explanations, see text)	St. James	St. John the Baptist	St. Landry	St. Martin	St. Mary	St. Tammany	Tangi- paloa	Vermilion	All other parishes
Irrigated land, 1949.....acres..	1,919	810	18,822	2,174	3,928	89	5,145	130,048	2,378
Area irrigated direct, by drainage basin origin of water, 1949: ¹									
All basins.....acres..	1,919	810	20,542	2,174	3,928	89	5,145	130,926	2,378
Gulf of Mexico excluding Mississippi River.....acres..		810	20,542	2,174	3,928	89	5,145	130,926	524
Excluding Mermentau River (V-A).....acres..		810	6,364	2,174	3,928	89	5,145	61,849	524
Gulf of Mexico direct (1a).....acres..		810				89	5,145		370
Sabine River (9a).....acres..									
Calcasieu River.....acres..									
Calcasieu River direct (10a).....acres..									
Bayou Serpent (10b).....acres..									
Vermilion River (11).....acres..				465				61,849	
Atchafalaya River (12).....acres..			6,364	1,709	3,928				154
Mermentau River (V-D).....acres..			14,178					69,077	
Mermentau River direct (1).....acres..								19,833	
Nezpieque Bayou (2).....acres..			14,178						
Bayou Queue de Tortue (3).....acres..								49,244	
Mississippi River (VI-A).....acres..	1,919								1,854
Mississippi River direct (1).....acres..	1,919								1,836
Red River (2a).....acres..									18

¹ Acreage irrigated direct by 2 or more irrigation enterprises is counted for each enterprise; acreage supplied a mixture of water from 2 or more basins by a given enterprise is counted for each basin; consequently, the sum of the acreages for a parish or a drainage basin may exceed the acreage irrigated direct shown in Parish Table 2 or Drainage Basin Table 1.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 1 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the drainage basin or State, except where otherwise noted.

Item (For definitions and explanations, see text)	The State	Gulf of Mexico excluding Mississippi and Mermentau Rivers (V-A)								
		Gulf of Mexico ex- cluding Missis- sippi River, total	Total	Gulf of Mexico direct	Sabine River	Calcasieu River			Ver- milion River	Atcha- falaya River
						Total	Calca- sieu River direct	Bayou Serpente		
			(1a)	(9a)	(10a)	(10b)	(11)	(12)		
ALL ENTERPRISES										
Farms and land irrigated:										
1 All irrigation enterprises.....enterprises 1950..	3,905	3,836	2,571	1,748	13	224	120	109	484	106
2 1940..	2,566	(*)	(*)	(*)	8	158	(*)	(*)	(*)	(*)
3 Interbasin.....enterprises 1950..	34	34	25	.....	2	14	11	8	6	7
4 Farms irrigated direct per enterprise ¹.....farms 1950..	2.1	2.1	1.4	1.0	6.1	2.6	2.8	2.4	2.1	1.6
5 Irrigated land ².....acres 1949..	597,966	589,996	224,393	15,317	19,703	101,809	64,420	37,389	63,649	23,915
6 1939..	447,095	437,244	179,315	5,911	17,629	78,901	53,426	25,475	62,858	14,016
7 Average per enterprise.....acres 1949..	153	154	87	9	1,516	455	537	343	132	226
8 Average acreage irrigated direct per enterprise ¹.....acres 1949..	155	155	88	9	1,516	457	541	343	132	229
Type of enterprise, 1950:										
9 Single-farm.....enterprises..	3,584	3,515	2,494	1,746	11	180	97	84	462	97
10 acres irrigated..	342,590	334,620	137,809	15,067	3,249	51,473	30,923	20,550	46,185	21,835
Mutual:										
11 Unincorporated.....enterprises..	47	47	14	2	.....	3	3	.....	6	3
12 acres irrigated..	15,735	15,735	3,063	(3)	.....	1,510	1,510	.....	568	715
13 Incorporated.....enterprises..	4	4	1	.....	.....	.....	.....	.....	.....	1
14 acres irrigated..	1,574	1,574	(3)	.....	.....	.....	.....	.....	.....	(3)
15 Commercial.....enterprises..	270	270	62	.....	2	411	20	25	16	5
16 acres irrigated..	243,588	243,588	84,023	.....	(3)	49,311	32,472	16,839	17,006	1,252
17 District.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19 U. S. Bureau of Reclamation.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21 U. S. Bureau of Indian Affairs.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23 State.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 City.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:										
Surface water:										
27 Gravity only.....enterprises reporting..	416	397	379	367	1	8	6	2	1	2
28 acres irrigated..	6,500	6,249	3,374	1,310	454	1,228	1,153	75	400	182
29 Pumped only.....enterprises reporting..	974	942	557	45	4	40	26	15	402	69
30 acres irrigated..	253,080	249,394	118,251	5,944	17,059	34,083	22,952	11,131	47,874	13,291
31 Gravity and pumped.....enterprises reporting..	22	22	9	4	.....	2	1	1	2	1
32 acres irrigated..	5,428	5,428	1,279	291	.....	310	198	112	400	278
33 Ground water only (pumped from wells).....enterprises reporting..	2,193	2,181	1,453	1,222	3	160	72	89	45	24
34 acres irrigated..	256,337	253,741	71,917	6,529	790	50,588	25,717	24,871	6,882	7,128
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	300	294	173	110	5	14	15	2	34	10
36 acres irrigated..	82,142	80,705	30,372	1,243	1,400	16,085	14,885	1,200	8,223	3,421
Stored water:										
37 None stored.....enterprises reporting..	3,858	3,792	2,548	1,742	12	214	13	106	480	104
38 acres irrigated..	570,994	570,994	214,627	15,040	19,303	95,332	60,170	35,162	61,352	23,600
39 Part stored.....enterprises reporting..	36	35	18	4	.....	10	7	3	3	1
40 acres irrigated..	22,383	21,733	10,152	263	.....	6,962	4,735	2,227	2,377	550
41 All stored.....enterprises reporting..	11	9	5	2	1	.....	.....	.....	1	1
42 acres irrigated..	2,808	2,790	614	14	400	.....	.....	.....	50	150
Sources of surface water, 1949:⁴										
43 Streams (and lakes).....enterprises reporting..	758	719	424	38	6	56	41	19	252	75
44 acres irrigated..	282,114	277,418	124,884	6,445	17,838	48,591	36,138	12,453	36,538	15,472
45 Springs.....enterprises reporting..	6	5	4	1	.....	1	1	.....	1	1
46 acres irrigated..	362	359	131	1	.....	5	5	.....	.....	125
47 Flowing wells.....enterprises reporting..	525	508	489	486	.....	1	1	.....	2	.....
48 acres irrigated..	9,120	9,093	3,081	2,451	.....	230	230	.....	400	.....
49 Drainage water.....enterprises reporting..	444	443	207	3	4	7	6	1	191	2
50 acres irrigated..	65,113	64,463	26,344	308	1,075	3,110	3,045	65	21,036	815
51 Sewage.....enterprises reporting..	1	1	.....	.....	.....	.....	.....	.....	.....	.....
52 acres irrigated..	290	290	.....	.....	.....	.....	.....	.....	.....	.....
53 Other sources.....enterprises reporting..	6	6	6	.....	.....	.....	.....	.....	.....	.....
54 acres irrigated..	1,163	1,163	1,163	.....	.....	.....	.....	.....	125	1,038
Drainage of irrigated land:⁵										
Irrigated land drained:										
55 Enterprises reporting.....enterprises 1949..	511	502	320	107	7	60	34	28	123	24
56 Area supplied primary irrigation.....acres 1949..	238,622	236,235	106,072	2,802	17,599	47,885	32,491	15,394	30,943	6,843
57 Area artificially drained.....acres 1949..	219,219	217,034	96,733	2,573	17,599	44,050	30,440	13,610	26,247	6,264
58 acres 1939..	99,654	(*)	(*)	(*)	.....	8,803	(*)	(*)	(*)	(*)
Irrigated land in need of drainage:										
59 Enterprises reporting.....enterprises 1949..	230	226	144	42	4	31	17	14	56	13
60 Area supplied primary irrigation.....acres 1949..	64,943	63,370	32,321	446	3,629	14,499	10,498	4,001	9,305	4,352
61 Area in need of drainage.....acres 1949..	39,952	38,839	19,976	375	924	8,743	5,938	2,805	6,219	3,715
62 acres 1939..	12,379	(*)	(*)	(*)	.....	3,160	(*)	(*)	(*)	(*)

See footnotes at end of Drainage Basin Table 1, Part 1.

Drainage Basin Table 1 (Part 1 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940--Continued

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the drainage basin or State, except where otherwise noted.]

Item (For definitions and explanations, see text)	Mermentau River (V-D)				Mississippi River (VI-A)		
	Total	Mermentau River direct	Nezperque Bayou	Bayou Mauc de Tortue	Total	Mississippi River direct	Red River
		(1)	(2)	(3)		(1)	(2a)
ALL ENTERPRISES							
Farms and land irrigated:							
1 All irrigation enterprises.....enterprises 1950..	1,278	286	685	323	69	65	4
2 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Interbasin.....enterprises 1950..	22	16	14	8			
4 Farms irrigated direct per enterprise ¹.....farms 1950..	3.5	2.2	3.9	3.4	1.8	1.8	2.0
5 Irrigated land ².....acres 1949..	365,603	94,713	180,506	90,384	7,970	6,321	1,649
6 1939..	257,929	80,460	136,300	41,169	9,851	8,789	1,062
7 Average per enterprise.....acres 1949..	286	331	264	280	116	97	412
8 Average acreage irrigated direct per enterprise ¹.....acres 1949..	290	333	268	281	116	97	412
Type of enterprise, 1950:							
9 Single-farm.....enterprises..	1,026	259	492	232	69	65	4
10 acres irrigated..	196,811	61,335	91,551	43,925	7,970	6,321	1,649
Mutual:							
11 Unincorporated.....enterprises..	34	2	29	3			
12 acres irrigated..	12,672	(³)	11,764	488			
13 Incorporated.....enterprises..	3		3				
14 acres irrigated..	1,076		1,076				
15 Commercial.....enterprises..	215	25	161	38			
16 acres irrigated..	159,565	33,588	79,503	46,474			
17 District.....enterprises..							
18 acres irrigated..							
19 U. S. Bureau of Reclamation.....enterprises..							
20 acres irrigated..							
21 U. S. Bureau of Indian Affairs.....enterprises..							
22 acres irrigated..							
23 State.....enterprises..							
24 acres irrigated..							
25 City.....enterprises..							
26 acres irrigated..							
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
27 Gravity only.....enterprises reporting..	19	3	16		19	19	
28 acres irrigated..	2,675	31	2,644		251	251	
29 Pumped only.....enterprises reporting..	390	115	116	169	32	30	2
30 acres irrigated..	131,143	38,140	39,234	53,769	3,686	3,668	18
31 Gravity and pumped.....enterprises reporting..	13	4	3	7			
32 acres irrigated..	4,149	2,429	230	1,440			
33 Ground water only (pumped from wells).....enterprises reporting..	733	126	499	113	12	10	2
34 acres irrigated..	181,824	30,492	126,691	24,641	2,596	965	1,631
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	123	38	51	34	6	6	
36 acres irrigated..	50,333	24,251	15,045	11,037	1,437	1,437	
Stored water:							
37 None stored.....enterprises reporting..	1,254	282	667	321	66	63	3
38 acres irrigated..	356,367	90,206	176,252	89,909	7,302	5,668	1,634
39 Part stored.....enterprises reporting..	19	4	13	2	1	1	
40 acres irrigated..	11,581	5,137	5,466	978	650	650	
41 All stored.....enterprises reporting..	5		5		2	1	1
42 acres irrigated..	2,176		2,176		18	3	15
Sources of surface water, 1949:⁴							
43 Streams (and lakes).....enterprises reporting..	303	60	148	106	39	38	1
44 acres irrigated..	152,534	47,745	52,837	51,952	4,696	4,681	15
45 Springs.....enterprises reporting..	1	1			1		1
46 acres irrigated..	228	228			3		3
47 Flowing wells.....enterprises reporting..	19	5	6	9	17	17	
48 acres irrigated..	6,012	3,257	910	1,845	27	27	
49 Drainage water.....enterprises reporting..	236	98	33	105	1	1	
50 acres irrigated..	38,119	20,288	3,556	14,275	650	650	
51 Sewage.....enterprises reporting..	1	1					
52 acres irrigated..	290	290					
53 Other sources.....enterprises reporting..							
54 acres irrigated..							
Drainage of irrigated land:⁵							
Irrigated land drained:							
55 Enterprises reporting.....enterprises 1949..	191	68	78	50	9	8	1
56 Area supplied primary irrigation.....acres 1949..	130,163	37,092	44,956	48,115	2,387	2,384	3
57 Area artificially drained.....acres 1949..	120,301	34,117	39,507	46,677	2,185	2,184	1
58 acres 1939..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Irrigated land in need of drainage:							
59 Enterprises reporting.....enterprises 1949..	83	32	38	15	4	4	
60 Area supplied primary irrigation.....acres 1949..	31,139	12,009	14,023	5,107	1,573	1,573	
61 Area in need of drainage.....acres 1949..	18,863	7,599	7,582	3,682	1,113	1,113	
62 acres 1939..	(*)	(*)	(*)	(*)	(*)	(*)	(*)

* Not available. ¹Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise. ²Acreage irrigated direct by 2 or more enterprises is counted only once. Acreage for 1939 is estimated acreage within revised drainage basin boundaries. ³Data for less than 3 enterprises not shown separately. ⁴Enterprises reporting water from more than 1 source are counted for each. ⁵For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises, data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State	Gulf of Mexico excluding Mississippi River, total	Gulf of Mexico excluding Mississippi and Mermentau Rivers (V-A)							
			Total	Gulf of Mexico direct (1a)	Sabine River (9a)	Calcasieu River			Ver- million River (11)	Atcha- falaya River (12)
						Total	Calca- sieu River direct (10a)	Bayou Serpent (10b)		
ALL ENTERPRISES										
Irrigation works:										
1 Diversion dams.....enterprises reporting 1950..	135	130	45	6	4	18	14	4	7	10
2 .....dams 1950..	331	314	180	36	23	41	37	4	15	65
3 .....dams 1940..	105	(*)	(*)	(*)	.....	2	(*)	(*)	(*)	(*)
4 Diversion dams by material:										
5 Concrete or masonry.....dams 1950..	28	28	1	.....	.....	.....	.....	.....	.....	1
6 Timber.....dams 1950..	95	95	48	.....	18	.....	.....	.....	.....	.....
7 Earth and rock.....dams 1950..	175	170	125	5	5	39	36	3	15	61
8 Other, mixed, and not reported.....dams 1950..	21	21	6	1	.....	2	1	1	.....	3
9 Reservoirs.....enterprises reporting 1950..	47	44	26	6	1	13	10	3	3	3
10 .....reservoirs 1950..	58	55	31	6	2	16	13	3	3	3
11 .....reservoirs 1940..	75	(*)	(*)	(*)	.....	3	(*)	(*)	(*)	(*)
12 Reservoirs for which capacity was reported.....reservoirs 1950..	57	54	31	6	2	16	13	3	3	4
13 .....total capacity, acre-feet 1950..	31,249	31,144	21,972	127	4	5,585	5,140	445	1,476	14,780
14 .....1940..	34,199	(*)	(*)	(*)	.....	701	(*)	(*)	(*)	(*)
15 Reservoirs by capacity:										
16 1-99 acre-feet.....reservoirs 1950..	26	24	13	6	2	4	2	2	1	.....
17 100-999 acre-feet.....reservoirs 1950..	26	25	16	.....	.....	11	10	1	2	3
18 1,000 acre-feet and over.....reservoirs 1950..	5	5	2	.....	.....	1	1	.....	.....	1
19 Reservoir dams by material:										
20 Concrete or masonry.....dams 1950..	2	1	1	.....	.....	1	1	.....	.....	.....
21 Earth and rock.....dams 1950..	51	50	28	5	2	15	12	3	2	4
22 Other, mixed, and not reported.....dams 1950..	5	4	2	1	.....	.....	.....	.....	.....	.....
23 Canals and ditches.....enterprises reporting 1950..	1,178	1,159	440	118	12	114	62	57	122	77
24 .....total length, miles 1950..	3,477	3,449	1,229	80	94	625	401	224	290	140
25 .....1940..	2,421	(*)	(*)	(*)	77	440	(*)	(*)	(*)	(*)
26 Pipelines and siphons.....enterprises reporting 1950..	95	67	36	20	.....	.....	.....	.....	5	10
27 .....total length, miles 1950..	62	53	16	6	1	.....	.....	.....	1	9
28 .....1940..	64	(*)	(*)	(*)	.....	3	(*)	(*)	(*)	(*)
29 Tunnels.....enterprises reporting 1950..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30 .....total length, feet 1950..	525	508	489	486	.....	1	1	.....	2	.....
31 .....1940..	849	832	808	800	.....	1	1	.....	7	.....
32 Flowing wells.....enterprises reporting 1950..	502	(*)	(*)	(*)	.....	.....	(*)	(*)	(*)	(*)
33 .....wells 1950..	2,487	2,469	1,624	1,328	8	172	86	88	83	34
34 .....wells 1950..	3,365	3,342	2,269	1,899	12	215	105	110	104	39
35 .....wells 1940..	1,504	(*)	(*)	(*)	1	99	(*)	(*)	(*)	(*)
36 Wells for which pumping lift was reported.....wells 1949..	2,524	2,504	1,712	1,413	6	188	90	98	78	27
37 .....Average pumping lift.....feet 1949..	35	35	22	17	39	53	45	60	21	36
38 .....1939..	45	(*)	(*)	(*)	(*)	47	(*)	(*)	(*)	(*)
39 Irrigation pumps.....enterprises reporting 1950..	3,470	3,421	2,179	1,372	12	213	114	103	483	103
40 .....pumps 1950..	5,221	5,152	3,201	1,862	25	331	186	145	826	157
41 .....pumps 1940..	2,403	(*)	(*)	(*)	10	179	(*)	(*)	(*)	(*)
42 Electric motors used for pumping.....enterprises reporting 1950..	974	968	887	850	3	23	9	14	6	6
43 .....electric motors 1950..	1,188	1,182	1,076	1,007	7	30	12	18	6	26
44 .....1940..	301	(*)	(*)	(*)	3	51	(*)	(*)	(*)	(*)
45 Other motors and engines used for pumping.....enterprises reporting 1950..	2,579	2,537	1,372	600	11	193	110	87	475	97
46 .....other motors and engines 1950..	3,768	3,710	1,874	730	16	296	175	121	696	136
47 .....1940..	2,025	(*)	(*)	(*)	7	130	(*)	(*)	(*)	(*)
48 Season of irrigation, 1949:										
49 Water delivered only before July 1.....enterprises reporting..	137	127	97	79	.....	2	1	1	13	3
50 .....acres irrigated..	8,689	8,446	4,833	3,691	.....	24	4	30	600	508
51 Water delivered before and after July 1.....enterprises reporting..	3,473	3,422	2,236	1,489	12	202	100	107	446	91
52 .....acres irrigated..	579,521	572,445	211,972	10,742	19,453	99,506	62,410	37,096	60,018	22,253
53 Water delivered only after July 1.....enterprises reporting..	154	150	140	115	1	8	7	1	12	4
54 .....acres irrigated..	5,637	5,585	4,170	774	250	1,819	1,556	263	835	492
55 Capital investment:										
56 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	11,565,513	(*)	(*)	(*)	528,420	1,531,317	(*)	(*)	(*)	(*)
57 New capital investment Jan. 1, 1940, to Jan. 1, 1950:										
58 Enterprises reporting.....enterprises 1950..	2,545	2,513	1,588	963	9	174	95	83	376	70
59 Amount.....dollars 1950..	9,937,527	9,795,747	3,306,095	354,588	136,017	1,809,672	1,190,350	619,322	658,022	347,796
60 Area irrigated direct.....acres 1949..	390,210	384,268	153,716	10,764	5,330	77,690	46,381	31,309	42,452	17,480
61 Total capital investment Jan. 1, 1950.....dollars 1950..	21,503,040	(*)	(*)	(*)	664,437	3,340,989	(*)	(*)	(*)	(*)
62 Indebtedness:										
63 Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
64 Enterprises reporting.....enterprises 1950..	18	18	4	.....	.....	2	2	.....	2	.....
65 Amount.....dollars 1950..	977,400	977,400	293,500	.....	.....	10,000	10,000	.....	283,500	.....
66 .....1940..	2,748,768	(*)	(*)	(*)	91,330	205,472	(*)	(*)	(*)	(*)
67 Area irrigated direct.....acres 1949..	49,196	49,196	14,305	.....	.....	940	940	.....	13,365	.....
68 Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
69 Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71 .....1940..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
72 Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

See footnotes at end of Drainage Basin Table 1, Part 2.

Drainage Basin Table 1 (Part 2 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in State total. For interbasin enterprises, data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	Vermentau River (V-D)				Mississippi River (VI-A)			
	Total	Mermentau River direct	Nezpique Bayou	Bayou Oueve de Tortue	Total	Mississippi River direct	Red River	
		(1)	(2)	(3)		(1)	(2a)	
ALL ENTERPRISES								
Irrigation works:								
1	Diversion dams.....enterprises reporting 1950..	85	16	63	6	5	4	1
2	Diversion dams.....dams 1950..	134	24	100	10	5	4	1
3	Diversion dams.....dams 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Diversion dams by material:								
4	Concrete or masonry.....dams 1950..	27	10	17				
5	Timber.....dams 1950..	47	2	38	7			
6	Earth and rock.....dams 1950..	45	8	36	1	5	4	1
7	Other, mixed, and not reported.....dams 1950..	15	4	9	2			
8	Reservoirs.....enterprises reporting 1950..	20	4	15	1	3	2	1
9	Reservoirs.....reservoirs 1950..	24	4	19	1	3	2	1
10	Reservoirs.....reservoirs 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
11	Reservoirs for which capacity was reported.....reservoirs 1950..	23	4	18	1	3	2	1
12	Reservoirs.....total capacity, acre-feet 1950..	9,172	5,510	3,522	140	105	103	2
13	Reservoirs.....total capacity, acre-feet 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Reservoirs by capacity:								
14	1-99 acre-feet.....reservoirs 1950..	11	1	10		2	1	1
15	100-199 acre-feet.....reservoirs 1950..	9	1	7	1	1	1	
16	1,000 acre-feet and over.....reservoirs 1950..	3	2	1				
Reservoir dams by material:								
17	Concrete or masonry.....dams 1950..					1	1	
18	Earth and rock.....dams 1950..	22	4	17	1	1	1	1
19	Other, mixed, and not reported.....dams 1950..	2		2		1	1	
20	Canals and ditches.....enterprises reporting 1950..	725	86	540	112	19	17	2
21	Canals and ditches.....total length, miles 1950..	2,220	339	1,422	459	28	22	6
22	Canals and ditches.....total length, miles 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
23	Pipelines and siphons ¹.....enterprises reporting 1950..	31	3	23	8	28	26	2
24	Pipelines and siphons ¹.....total length, miles 1950..	37	5	25	7	9	8	1
25	Pipelines and siphons ¹.....total length, miles 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
26	Tunnels.....enterprises reporting 1950..							
27	Tunnels.....total length, feet 1950..							
28	Flowing wells.....enterprises reporting 1950..	19	5	5	9	17	17	
29	Flowing wells.....wells 1950..	24	7	5	12	17	17	
30	Flowing wells.....wells 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
31	Pumped wells.....enterprises reporting 1950..	850	161	547	146	18	16	2
32	Pumped wells.....wells 1950..	1,073	202	695	176	23	19	4
33	Pumped wells.....wells 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
34	Wells for which pumping lift was reported.....wells 1949..	792	176	478	138	20	18	2
35	Wells for which pumping lift was reported.....wells 1939..	63	56	71	43	20	16	50
36	Wells for which pumping lift was reported.....feet 1939..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
37	Irrigation pumps.....enterprises reporting 1950..	1,250	276	665	317	49	45	4
38	Irrigation pumps.....pumps 1950..	1,951	488	979	484	69	61	8
39	Irrigation pumps.....pumps 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
40	Electric motors used for pumping.....enterprises reporting 1950..	81	33	42	6	6	5	1
41	Electric motors used for pumping.....electric motors 1950..	106	45	53	8	6	5	1
42	Electric motors used for pumping.....electric motors 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
43	Other motors and engines used for pumping.....enterprises reporting 1950..	1,173	239	631	312	42	39	3
44	Other motors and engines used for pumping.....other motors and engines 1950..	1,836	464	928	444	58	51	7
45	Other motors and engines used for pumping.....other motors and engines 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Season of irrigation, 1949:								
46	Water delivered only before July 1.....enterprises reporting..	30	6	19	5	10	10	
47	Water delivered only before July 1.....acres irrigated..	3,613	986	2,141	486	243	243	
48	Water delivered before and after July 1.....enterprises reporting..	1,199	270	646	299	51	47	4
49	Water delivered before and after July 1.....acres irrigated..	360,473	92,602	180,147	87,724	7,076	5,427	1,649
50	Water delivered only after July 1.....enterprises reporting..	10		4	6	4	4	
51	Water delivered only after July 1.....acres irrigated..	1,415		235	1,180	52	52	
Capital investment:								
52	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950:								
53	Enterprises reporting.....enterprises 1950..	928	229	515	191	32	29	3
54	Enterprises reporting.....dollars 1950..	6,489,652	1,305,037	4,258,065	926,550	141,780	108,680	33,100
55	Area irrigated direct.....acres 1949..	230,552	68,675	129,047	32,830	5,942	4,643	1,299
56	Total capital investment Jan. 1, 1950.....dollars 1950..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Indebtedness:³								
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
57	Enterprises reporting.....enterprises 1950..	15	3	13	1			
58	Enterprises reporting.....dollars 1950..	683,900	75,150	81,750	527,000			
59	Enterprises reporting.....dollars 1940..	(*)	(*)	(*)	(*)	(*)	(*)	(*)
60	Area irrigated direct.....acres 1949..	34,891	4,272	5,028	25,591			
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
61	Enterprises reporting.....enterprises 1950..							
62	Enterprises reporting.....dollars 1950..							
63	Area irrigated direct.....acres 1949..							

*Not available.
¹Pipelines in farm-distribution systems were included in 1940, not included in 1950.
²Less than 0.5.
³Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	The State	Gulf of Mexico excluding Mississippi and Mermentau Rivers (V-A)									
		Gulf of Mexico excluding Mississippi River, total	Total	Gulf of Mexico direct (1a)	Sabine River (9a)	Calcasieu River			Ver- million River (11)	Atcha- falaya River (12)	
						Total	Calca- sieu River direct (10a)	Eayu Serpent (10b)			
ALL ENTERPRISES											
Cost of water to farms, 1949: ¹											
Total cost of water to farms:											
1	Enterprises reporting.....enterprises..	3,830	3,761	2,504	1,692	13	218	114	109	480	105
2	Cost.....dollars..	5,340,707	5,201,069	1,918,403	67,501	229,183	933,957	612,196	321,761	504,267	183,495
3	Area irrigated direct.....acres..	603,487	595,517	225,393	15,317	19,703	102,294	64,905	37,389	63,779	24,300
4	Cost per acre irrigated direct.....dollars..	8.85	8.90	8.51	4.41	11.63	9.13	9.43	8.61	7.91	7.55
5	Total cost per irrigated acre.....dollars..	8.93	8.98	8.55	4.41	11.63	9.17	9.50	8.61	7.92	7.67
6	Total cost per acre-foot of water.....dollars..	4.46	4.49	4.07	(3)	(3)	4.58	4.75	4.53	3.30	4.79
Enterprises by cost per acre:											
7	Less than \$1.00.....enterprises reporting..	528	503	449	382	2	21	9	12	38	6
8	acres irrigated..	29,761	28,460	18,084	5,812	704	5,820	2,995	2,825	4,829	919
9	\$1.00-\$1.99.....enterprises reporting..	256	254	146	76	3	15	9	7	43	11
10	acres irrigated..	37,588	37,573	13,935	529	100	4,498	3,003	1,495	6,781	2,027
11	\$2.00-\$4.99.....enterprises reporting..	993	979	630	360	2	64	36	28	179	26
12	acres irrigated..	134,789	132,599	52,188	3,874	1,110	22,765	15,358	7,407	18,041	6,398
13	\$5.00-\$9.99.....enterprises reporting..	1,070	1,054	700	488	3	60	29	32	122	28
14	acres irrigated..	129,948	125,912	41,007	3,096	1,080	18,281	9,688	8,593	11,223	7,327
15	\$10.00 and over.....enterprises reporting..	983	971	579	386	5	58	31	30	98	34
16	acres irrigated..	211,401	270,973	100,179	2,006	16,709	50,930	33,861	17,069	22,995	7,629
Cost of water for primary irrigation:											
17	Enterprises reporting.....enterprises..	3,811	3,742	2,500	1,692	13	217	113	109	478	104
18	Cost.....dollars..	5,284,483	5,244,845	1,911,188	67,501	229,183	932,888	611,127	321,761	503,550	178,066
19	Area supplied primary irrigation.....acres..	597,966	589,996	224,393	15,317	19,703	101,809	64,420	37,389	63,649	23,915
20	Cost per acre supplied.....dollars..	8.84	8.89	8.52	4.41	11.63	9.16	9.49	8.61	7.91	7.45
Cost of water for supplemental irrigation:											
21	Enterprises reporting.....enterprises..	58	58	13	.....	.....	3	3	.....	7	3
22	Cost.....dollars..	56,224	56,224	7,215	.....	.....	1,069	1,069	.....	717	5,429
23	Area supplied supplemental irrigation.....acres..	5,521	5,521	1,008	.....	.....	485	485	.....	130	385
24	Cost per acre supplied.....dollars..	10.18	10.18	7.22	.....	.....	2.20	2.20	.....	5.52	14.10
Cost to farms for purposes other than operation and maintenance: ⁴											
25	Enterprises reporting.....enterprises..	296	296	68	2	1	37	17	22	20	9
26	Cost.....dollars..	1,305,616	1,305,616	375,327	1,634	42,198	224,771	123,940	100,831	89,197	17,527
27	Area irrigated direct.....acres..	197,660	197,660	70,636	250	13,569	37,258	64,629	15,569	17,094	2,465
28	Cost per acre irrigated.....dollars..	6.61	6.61	5.31	6.54	3.11	6.03	5.71	6.48	5.22	7.11
Arrearage in payments by farms, Jan. 1, 1950: ⁴											
29	Enterprises reporting.....enterprises..	3	3	1	.....	.....	1	1	.....	.....	.....
30	Amount.....dollars..	1,950	1,950	900	.....	.....	900	900	.....	.....	.....
31	Area irrigated direct.....acres..	920	920	700	.....	.....	700	700	.....	.....	.....
SINGLE-FARM ENTERPRISES, 1950											
32	Single-farm enterprises.....enterprises..	3,584	3,515	2,494	1,746	11	180	97	84	462	97
33	Area irrigated.....acres..	342,590	334,620	137,809	15,067	3,249	51,473	30,923	20,550	46,185	21,835
34	Complete-system enterprises.....enterprises..	3,458	3,390	2,401	1,690	9	167	90	78	443	94
35	Area irrigated.....acres..	337,407	329,456	134,689	15,067	2,395	50,260	30,283	19,977	45,570	21,397
Other farms irrigated:											
36	Enterprises reporting.....number..	538	531	181	30	2	57	33	24	79	13
37	Number of other farms.....farms..	1,473	1,417	325	39	4	98	53	45	139	45
38	Area irrigated in other farms.....acres..	65,766	64,681	18,954	274	560	10,221	7,037	3,184	4,314	3,585
Enterprises by origin of water supply: ⁵											
39	No water from other enterprises.....enterprises reporting..	3,532	3,464	2,467	1,746	9	172	95	78	447	95
40	acres irrigated..	337,407	329,456	134,689	15,067	2,395	50,260	30,283	19,977	45,570	21,397
41	Part of water from other enterprises.....enterprises reporting..	17	17	8	.....	1	1	.....	.....	4	2
42	acres irrigated..	3,373	3,373	1,687	.....	400	465	465	.....	384	438
43	All of water from other enterprises.....enterprises reporting..	35	34	19	.....	1	7	1	6	11	.....
44	acres irrigated..	1,810	1,791	1,433	.....	454	748	175	573	231	.....
Enterprises by primary and supplemental irrigation:											
45	All primary.....enterprises reporting..	3,467	3,398	2,417	1,690	11	172	89	84	451	95
46	acres irrigated..	336,747	328,777	136,420	15,067	3,249	50,538	29,988	20,550	45,821	21,745
47	Part primary, part supplemental.....enterprises reporting..	24	24	7	.....	.....	2	2	.....	5	.....
48	Primary irrigation.....acres irrigated..	3,536	3,536	684	.....	.....	450	450	.....	234	.....
49	Supplemental irrigation.....acres irrigated..	1,261	1,261	339	.....	.....	255	255	.....	84	.....
50	All supplemental.....enterprises reporting..	19	19	4	.....	.....	1	1	.....	2	1
51	acres irrigated..	1,046	1,046	366	.....	.....	230	230	.....	46	90
Enterprises by number of acres irrigated: ⁵											
52	None.....enterprises reporting..	74	74	66	56	.....	5	5	.....	4	1
53	1-9 acres.....enterprises reporting..	1,646	1,611	1,583	1,551	.....	5	5	.....	25	2
54	10-29 acres.....enterprises reporting..	223	313	221	116	.....	3	2	1	96	6
55	30-59 acres.....enterprises reporting..	250	245	137	3	2	6	1	5	117	9
56	60-99 acres.....enterprises reporting..	241	239	102	3	.....	14	8	6	74	11
57	100-199 acres.....enterprises reporting..	429	425	149	6	1	33	14	19	83	26
58	200-499 acres.....enterprises reporting..	514	507	192	9	6	94	45	49	54	31
59	500-999 acres.....enterprises reporting..	77	73	28	1	2	14	12	3	4	7
60	1,000 acres or more.....enterprises reporting..	30	28	16	1	.....	6	5	1	5	4

See footnotes at end of Drainage Basin Table 1, Part 3.

Drainage Basin Table 1 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are included in each drainage basin in which they had irrigation works, but only once in State total. For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State, except where otherwise noted. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Mermentau River (V-D)				Mississippi River (VI-A)			
	Total	Mermentau River direct	Nezpique Bayou	Bayou Queue de Tortue	Total	Mississippi River direct	Red River	
		(1)	(2)	(3)		(1)	(2a)	
ALL ENTERPRISES								
Cost of water to farms, 1949:¹								
Total cost of water to farms:								
1	Enterprises reporting.....enterprises..	1,270	283	681	322	69	65	4
2	Cost.....dollars..	3,382,666	727,370	1,840,830	814,466	39,638	33,478	6,160
3	Area irrigated direct.....acres..	370,124	95,343	183,894	90,887	7,970	6,321	1,649
4	Cost per acre irrigated direct.....dollars..	9.14	7.63	10.01	8.96	4.97	5.30	3.74
5	Total cost per irrigated acre.....dollars..	9.25	7.68	10.20	9.01	4.97	5.30	3.74
6	Total cost per acre-foot of water ².....dollars..	4.62	3.84	5.67	4.10	(3)	(3)	(3)
Enterprises by cost per acre:								
7	Less than \$1.00.....enterprises reporting..	55	19	29	7	25	25	.....
8	.....acres irrigated..	10,376	4,170	4,493	1,713	1,301	1,301	.....
9	\$1.00-\$1.99.....enterprises reporting..	108	26	42	40	2	2	.....
10	.....acres irrigated..	23,638	8,906	8,212	6,520	15	15	.....
11	\$2.00-\$4.99.....enterprises reporting..	352	93	155	109	14	12	2
12	.....acres irrigated..	80,411	23,714	36,529	20,168	2,190	906	1,284
13	\$5.00-\$9.99.....enterprises reporting..	354	85	183	89	16	15	1
14	.....acres irrigated..	84,905	25,532	42,050	17,323	4,036	3,686	350
15	\$10.00 and over.....enterprises reporting..	401	60	272	77	12	11	1
16	.....acres irrigated..	170,794	33,021	92,610	45,163	428	413	15
Cost of water for primary irrigation:								
17	Enterprises reporting.....enterprises..	1,255	283	670	318	69	65	4
18	Cost.....dollars..	3,333,657	718,059	1,802,940	812,658	39,638	33,478	6,160
19	Area supplied primary irrigation.....acres..	365,603	94,713	180,506	90,384	7,970	6,321	1,649
20	Cost per acre supplied.....dollars..	9.12	7.58	9.99	8.99	4.97	5.30	3.74
Cost of water for supplemental irrigation:								
21	Enterprises reporting.....enterprises..	46	3	33	10	.....	.....	.....
22	Cost.....dollars..	49,009	9,311	37,890	1,808	.....	.....	.....
23	Area supplied supplemental irrigation.....acres..	4,521	630	3,388	503	.....	.....	.....
24	Cost per acre supplied.....dollars..	10.84	14.78	11.18	3.59	.....	.....	.....
Cost to farms for purposes other than operation and maintenance: ⁴								
25	Enterprises reporting.....enterprises..	239	22	181	36	.....	.....	.....
26	Cost.....dollars..	930,289	113,239	603,023	214,027	.....	.....	.....
27	Area irrigated direct.....acres..	127,024	22,024	69,160	35,840	.....	.....	.....
28	Cost per acre irrigated.....dollars..	7.32	5.14	8.72	5.97	.....	.....	.....
Arrearage in payments by farms, Jan. 1, 1950: ⁴								
29	Enterprises reporting.....enterprises..	2	2	.....	.....	.....	.....	.....
30	Amount.....dollars..	1,050	1,050	.....	.....	.....	.....	.....
31	Area irrigated direct.....acres..	220	220	.....	.....	.....	.....	.....
SINGLE-FARM ENTERPRISES, 1950								
32	Single-farm enterprises.....enterprises..	1,026	259	492	282	69	65	4
33	Area irrigated.....acres..	196,811	61,335	91,551	43,925	7,970	6,321	1,649
34	Complete-system enterprises ⁵.....enterprises..	994	253	480	268	68	64	4
35	Area irrigated.....acres..	194,767	61,112	90,333	43,322	7,951	6,302	1,649
Other farms irrigated:								
36	Enterprises reporting.....number..	352	68	212	76	7	6	1
37	Number of other farms.....farms..	1,092	106	853	133	56	52	4
38	Area irrigated in other farms.....acres..	45,727	8,374	30,387	6,966	1,085	135	950
Enterprises by origin of water supply: ⁵								
39	No water from other enterprises.....enterprises reporting..	1,002	256	484	269	68	64	4
40	.....acres irrigated..	194,767	61,112	90,333	43,322	7,951	6,302	1,649
41	Part of water from other enterprises.....enterprises reporting..	9	1	6	2	.....	.....	.....
42	.....acres irrigated..	1,686	110	1,143	433	.....	.....	.....
43	All of water from other enterprises.....enterprises reporting..	15	2	2	11	1	1	.....
44	.....acres irrigated..	358	113	75	170	19	19	.....
Enterprises by primary and supplemental irrigation:								
45	All primary.....enterprises reporting..	986	255	467	271	69	65	4
46	.....acres irrigated..	192,357	60,945	88,801	42,611	7,970	6,321	1,649
47	Part primary, part supplemental.....enterprises reporting..	17	1	10	6	.....	.....	.....
48	Primary irrigation.....acres irrigated..	2,852	360	1,681	811	.....	.....	.....
49	Supplemental irrigation.....acres irrigated..	922	30	537	355	.....	.....	.....
50	All supplemental.....enterprises reporting..	15	.....	11	4	.....	.....	.....
51	.....acres irrigated..	680	.....	532	148	.....	.....	.....
Enterprises by number of acres irrigated: ⁵								
52	None.....enterprises reporting..	8	3	4	1	.....	.....	.....
53	1-9 acres.....enterprises reporting..	28	3	18	7	35	34	1
54	10-29 acres.....enterprises reporting..	92	11	39	42	10	9	1
55	30-59 acres.....enterprises reporting..	108	19	52	37	5	5	.....
56	60-99 acres.....enterprises reporting..	137	31	59	47	2	2	.....
57	100-199 acres.....enterprises reporting..	276	80	128	68	4	4	.....
58	200-499 acres.....enterprises reporting..	314	84	167	66	7	6	1
59	500-999 acres.....enterprises reporting..	49	21	21	10	4	4	.....
60	1,000 acres or more.....enterprises reporting..	14	7	4	4	2	1	1

¹Enterprises with reported cost of \$0 in 1949 are included.

²Average cost per irrigated acre divided by calculated average quantity of water per acre. (Drainage Basin Table 1, Part 4, line 66.)

³Average not given because number of enterprises reporting quantity of water was not sufficient to provide satisfactory data.

⁴Not reported by single-farm enterprises.

⁵For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State.

IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

Item (For definitions and explanations, see text)	The State ¹	Gulf of Mexico excluding Mississippi River total ¹	Gulf of Mexico excluding Mississippi and Mermentau Rivers (V-A)			
			Total ¹	Calcasieu River		
				Total	Calcasieu River direct (10a)	Bayou Serpent (10b)
MULTIPLE-FARM ENTERPRISES, 1950						
1 Multiple-farm enterprises, total number ².....enterprises..	321	321	77	44	23	25
2 Area irrigated direct.....acres..	260,897	260,897	87,584	50,821	33,982	16,839
3 Multiple-purpose enterprises ².....enterprises..	8	8	4	2	2	.....
4 Area irrigated direct.....acres..	6,559	6,559	2,179	1,679	1,679	.....
5 Complete-system enterprises ².....enterprises..	313	313	73	42	21	25
6 Area irrigated direct.....acres..	254,080	254,080	81,689	48,141	31,302	16,839
Enterprises by origin of water supply: ²						
7 No water from other enterprises.....enterprises reporting..	320	320	77	44	23	25
8 acres irrigated.....	260,447	260,447	87,584	50,821	33,982	16,839
9 Part of water from other enterprises.....enterprises reporting..	1	1	.....	.....	.....	.....
10 acres irrigated.....	450	450	.....	.....	.....	.....
11 All water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	.....	.....
12 acres irrigated.....	.....	.....	.....	.....	.....	.....
Enterprises by delivery of irrigation water: ²						
13 No water delivered.....enterprises reporting..	1	1	1	1	1	.....
14 Water delivered direct to farms only.....enterprises reporting..	306	306	70	39	19	23
15 acres irrigated.....	179,878	179,878	57,876	37,563	29,165	8,398
16 Water delivered to farms and to other enterprises.....enterprises reporting..	14	14	6	4	3	2
17 acres irrigated.....	81,019	81,019	29,708	13,258	4,817	8,441
18 Water delivered to other enterprises only.....enterprises reporting..	.....	.....	.....	.....	.....	.....
Enterprises by primary and supplemental irrigation: ³						
19 All primary.....enterprises reporting..	305	305	74	43	22	25
20 acres irrigated.....	247,303	247,303	87,089	50,821	33,982	16,839
21 Part primary, part supplemental.....enterprises reporting..	15	15	2	.....	.....	.....
22 Primary irrigation.....acres irrigated..	10,380	10,380	200	.....	.....	.....
23 Supplemental irrigation.....acres irrigated..	3,214	3,214	295	.....	.....	.....
24 All supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	.....
25 acres irrigated.....	.....	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct: ²						
26 None.....enterprises reporting..	1	1	1	1	1	.....
27 1-3.....enterprises reporting..	156	156	39	19	7	12
28 4-9.....enterprises reporting..	109	109	20	14	7	8
29 10-29.....enterprises reporting..	37	37	11	6	4	3
30 30-99.....enterprises reporting..	16	16	5	4	4	2
31 100-299.....enterprises reporting..	1	1	.....	.....	.....	.....
32 300-999.....enterprises reporting..	1	1	1	.....	.....	.....
33 1,000 or more.....enterprises reporting..	.....	.....	.....	.....	.....	.....
Enterprises by acres irrigated direct: ²						
34 None.....enterprises reporting..	1	1	1	1	1	.....
35 1-99 acres.....enterprises reporting..	36	36	8	1	.....	1
36 100-999 acres.....enterprises reporting..	249	249	53	30	13	18
37 1,000-2,999 acres.....enterprises reporting..	13	13	5	5	3	3
38 3,000-9,999 acres.....enterprises reporting..	19	19	7	6	5	3
39 10,000-29,999 acres.....enterprises reporting..	2	2	2	1	1	.....
40 30,000 acres or more.....enterprises reporting..	1	1	1	.....	.....	.....
Quantities of water reported, 1949: ⁴						
41 Total obtained from all sources ⁴.....enterprises reporting..	312	312	71	38	18	24
42 percent of all enterprises reporting..	8	8	3	17	15	22
43 acre-feet.....	571,543	571,543	300,215	137,848	112,504	67,089
44 Surface sources.....enterprises reporting..	101	101	34	13	10	6
45 acre-feet.....	438,813	438,813	271,701	114,888	100,924	51,729
46 Pumped wells.....enterprises reporting..	234	234	42	29	12	20
47 acre-feet.....	132,230	132,230	28,514	22,960	11,580	15,360
48 Other enterprises.....enterprises reporting..	1	1	.....	.....	.....	.....
49 acre-feet.....	500	500	.....	.....	.....	.....
50 Conveyance loss ⁴.....enterprises reporting..	309	309	70	38	18	24
51 acre-feet.....	48,273	48,273	22,712	12,283	10,662	5,643
52 Delivered: ⁴						
53 Direct to farms.....enterprises reporting..	312	312	71	38	18	24
54 acre-feet.....	515,760	515,760	271,266	121,202	97,659	60,566
55 To other enterprises.....enterprises reporting..	13	13	6	4	3	2
56 acre-feet.....	7,460	7,460	6,187	4,363	4,183	880
57 For use other than irrigation.....enterprises reporting..	1	1	1	.....	.....	.....
58 acre-feet.....	50	50	50	.....	.....	.....
59 Delivered direct to farms for primary irrigation: ³						
60 Enterprises reporting.....enterprises..	312	312	71	38	18	24
61 Quantity delivered.....acre-feet..	509,034	509,034	174,874	94,946	63,473	31,473
62 Area supplied primary irrigation.....acres..	254,094	254,094	84,729	48,261	31,492	16,769
63 Quantity supplied per acre.....acre-feet..	2.0	2.0	2.1	2.0	2.0	1.9
64 Delivered direct to farms for supplemental irrigation: ³						
65 Enterprises reporting.....enterprises..	15	15	2	.....	.....	.....
66 Quantity delivered.....acre-feet..	6,726	6,726	486	.....	.....	.....
67 Area supplied supplemental irrigation.....acres..	3,214	3,214	295	.....	.....	.....
68 Quantity supplied per acre.....acre-feet..	2.1	2.1	1.6	.....	.....	.....
69 Total quantity per irrigated acre ³.....acre-feet..	2.0	2.0	2.1	2.0	2.0	1.9
70 Cost of water to farms for enterprises reporting quantity delivered, 1949: ³						
71 Cost for primary irrigation.....dollars..	3,339,801	3,339,801	1,135,435	647,928	436,262	211,666
72 Average cost per acre-foot.....dollars..	6.56	6.56	6.49	6.82	6.87	6.73
73 Cost for supplemental irrigation.....dollars..	46,096	46,096	3,629	.....	.....	.....
74 Average cost per acre-foot.....dollars..	6.85	6.85	7.47	.....	.....	.....
75 Measurement of water to farms, 1949: ³						
76 No water measured.....enterprises reporting..	308	308	73	42	23	23
77 acres irrigated.....	256,520	256,520	86,583	50,410	33,982	16,428
78 Part of water measured.....enterprises reporting..	.....	.....	.....	.....	.....	.....
79 acres irrigated.....	.....	.....	.....	.....	.....	.....
80 All water measured.....enterprises reporting..	.....	.....	.....	.....	.....	.....
81 acres irrigated.....	.....	.....	.....	.....	.....	.....

See footnotes at end of Drainage Basin Table 1, Part 4.

Drainage Basin Table 1 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940—Continued

[Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only once in the State total. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise.]

Item (For definitions and explanations, see text)	Gulf of Mexico excluding Mississippi and Mermentau Rivers (V-A)—Con.			Mermentau River (V-D)		
	Vermilion River	Atchafalaya River	Total	Mermentau River direct	Nezpique Bayou	Bayou Queue de Tortue
	(11)	(12)		(1)	(2)	(3)
MULTIPLE-FARM ENTERPRISES, 1950						
1 Multiple-farm enterprises, total number ².....enterprises..	22	9	252	27	193	41
2 Area irrigated direct.....acres..	17,594	2,465	173,313	34,008	92,343	46,962
3 Multiple-purpose enterprises.....enterprises..	2	1	4	3	1	1
4 Area irrigated direct.....acres..	500	248	4,380	4,080	300	300
5 Complete-system enterprises.....enterprises..	20	9	248	27	189	41
6 Area irrigated direct.....acres..	17,264	2,465	172,391	34,008	91,421	46,962
7 Enterprises by origin of water supply: ³						
8 No water from other enterprises.....enterprises reporting..	22	9	251	27	192	41
9 acres irrigated.....	17,594	2,465	172,865	34,008	91,293	46,962
10 Part of water from other enterprises.....enterprises reporting..	1	1	1	1	1	1
11 acres irrigated.....	490	490	490	490	490	490
12 All water from other enterprises.....enterprises reporting..	1	1	1	1	1	1
13 acres irrigated.....	1	1	1	1	1	1
14 Enterprises by delivery of irrigation water: ²						
15 No water delivered.....enterprises reporting..	19	9	243	23	184	37
16 Water delivered direct to farms only.....acres irrigated..	4,029	2,465	122,002	23,408	81,465	17,134
17 Water delivered to farms and to other enterprises.....enterprises reporting..	3	4	9	4	2	2
18 acres irrigated.....	13,565	2,465	51,311	10,600	10,883	29,322
19 Enterprises by primary and supplemental irrigation: ³						
20 All primary.....enterprises reporting..	22	7	238	25	181	41
21 acres irrigated.....	17,594	1,970	160,214	31,351	81,901	46,962
22 Part primary, part supplemental.....enterprises reporting..	2	2	14	2	12	12
23 Primary irrigation.....acres irrigated..	10,180	200	10,180	2,057	8,123	8,123
24 Supplemental irrigation.....acres irrigated..	295	295	2,919	600	2,319	2,319
25 All supplemental.....enterprises reporting..	1	1	1	1	1	1
26 acres irrigated.....	1	1	1	1	1	1
27 Enterprises by number of farms irrigated direct: ²						
28 None.....enterprises reporting..	13	5	117	11	81	25
29 1-3.....enterprises reporting..	4	2	89	6	76	7
30 4-9.....enterprises reporting..	4	2	30	3	24	5
31 10-29.....enterprises reporting..	1	1	14	5	10	3
32 30-99.....enterprises reporting..	1	1	1	1	1	1
33 100-299.....enterprises reporting..	1	1	1	1	1	1
34 300-999.....enterprises reporting..	1	1	1	1	1	1
35 1,000 or more.....enterprises reporting..	1	1	1	1	1	1
36 Enterprises by acres irrigated direct: ²						
37 None.....enterprises reporting..	6	1	28	4	18	6
38 1-99 acres.....enterprises reporting..	14	7	196	12	158	27
39 100-999 acres.....enterprises reporting..	1	1	9	7	7	3
40 1,000-2,999 acres.....enterprises reporting..	1	1	17	9	9	4
41 3,000-9,999 acres.....enterprises reporting..	1	1	1	1	1	1
42 10,000-29,999 acres.....enterprises reporting..	1	1	1	1	1	1
43 30,000 acres or more.....enterprises reporting..	1	1	1	1	1	1
44 Quantities of water reported, 1949: ⁴						
45 Total obtained from all sources.....enterprises reporting..	22	9	249	27	190	41
46 percent of all enterprises reporting.....	5	8	19	9	13	13
47 acre-feet.....	127,167	8,294	462,940	228,530	341,631	182,171
48 Surface sources.....enterprises reporting..	15	4	75	21	39	24
49 acre-feet.....	124,673	5,234	356,724	223,844	247,352	174,940
50 Pumped wells.....enterprises reporting..	8	5	193	8	164	21
51 acre-feet.....	2,494	3,060	105,716	4,686	93,799	7,231
52 Other enterprises.....enterprises reporting..	1	1	1	1	1	1
53 acre-feet.....	500	500	500	500	500	500
54 Conveyance loss ⁴.....enterprises reporting..	21	9	247	27	189	40
55 acre-feet.....	7,103	617	39,158	17,850	26,965	13,729
56 Delivered: ⁴						
57 Direct to farms.....enterprises reporting..	22	9	249	27	190	41
58 acre-feet.....	118,060	7,627	420,895	209,066	312,199	166,285
59 To other enterprises.....enterprises reporting..	3	3	8	4	8	2
60 acre-feet.....	2,004	1	2,887	1,614	2,887	2,157
61 For use other than irrigation.....enterprises reporting..	1	1	1	1	1	1
62 acre-feet.....	50	50	50	50	50	50
63 Delivered direct to farms for primary irrigation: ³						
64 Enterprises reporting.....enterprises..	22	9	249	27	190	41
65 Quantity delivered.....acre-feet..	43,067	3,417	334,160	67,087	162,191	104,382
66 Area supplied primary irrigation.....acres..	17,594	2,170	169,365	33,408	88,995	46,962
67 Quantity supplied per acre.....acre-feet..	2.4	1.6	2.0	2.0	1.8	2.2
68 Delivered direct to farms for supplemental irrigation: ³						
69 Enterprises reporting.....enterprises..	2	2	14	2	12	12
70 Quantity delivered.....acre-feet..	486	486	6,240	1,592	4,648	4,648
71 Area supplied supplemental irrigation.....acres..	295	295	2,919	600	2,319	2,319
72 Quantity supplied per acre.....acre-feet..	1.6	1.6	2.1	2.7	2.0	2.0
73 Total quantity per irrigated acre ⁵.....acre-feet..	2.4	1.6	2.0	2.0	1.8	2.2
74 Cost of water to farms for enterprises reporting quantity delivered, 1949: ³						
75 Cost for primary irrigation.....dollars..	238,690	30,575	2,204,366	396,001	1,215,544	592,821
76 Average cost per acre-foot.....dollars..	5.34	8.95	6.60	5.90	7.49	5.65
77 Cost for supplemental irrigation.....dollars..	3,629	7.47	42,467	9,199	33,268	7.16
78 Average cost per acre-foot.....dollars..	7.47	7.47	6.81	5.78	7.16	7.16
79 Measurement of water to farms, 1949: ³						
80 No water measured.....enterprises reporting..	20	9	243	26	185	41
81 acres irrigated.....	17,004	2,465	169,937	33,928	89,047	46,962
82 Part of water measured.....enterprises reporting..	1	1	1	1	1	1
83 acres irrigated.....	1	1	1	1	1	1
84 All water measured.....enterprises reporting..	1	1	1	1	1	1
85 acres irrigated.....	1	1	1	1	1	1

¹Data for less than 3 enterprises in basins in V-A-1a and V-A-9a included only in totals. ²For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State. ³For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State. ⁴For interbasin and interstate enterprises, data represent characteristics of the entire enterprise. ⁵Calculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.