## MONTANA

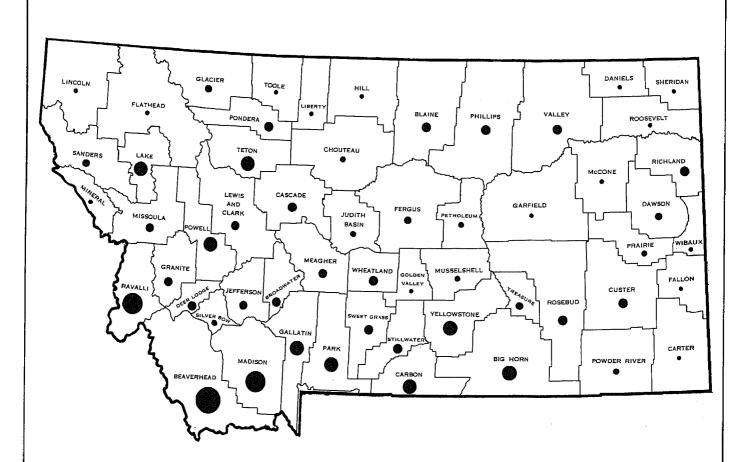
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CONTRACTOR OF STREET



LEGEND

- LESS THAN 5,000 ACRES
- 5,000 9,999 ACRES
- I0,000 19,999 ACRES
- 20,000 49,999 ACRES
- 50,000 99,999 ACRES
- 100,000-199,999 ACRES

200,000 - 299,999 ACRES

MONTANA: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949

#### State Table 1.-IRRIGATION SUMMARY: 1890 TO 1950

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			······					
Census year         In farms <sup>1</sup> (number)         In farms <sup>1</sup> (acres)         In farms <sup>1</sup> (number)         Farmal (number)         Irrigation (number)         Intraction (number)         Intractintractin (number)         Intritrattractintraction (num		A11 F 1		Irrigated			Irrigation	Total capital investment in
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0					enterprises		irrigation enterprises (dollars)
1890	1945	37,747 41,823 50,564 47,495 57,677 26,214	58,787,318 46,451,594 47,511,868 44,659,152 35,070,656 13,545,603	12,997 15,087 13,864 11,925 10,807 8,970	1,555,480 <sup>3</sup> 1,578,602 <sup>4</sup> 1,272,054 <sup>5</sup> 1,343,035 (**) (**)	(*) 1,711,409 (*) 1,594,912 1,681,729	(*) 5,555 (*) 4,461 6,035 5,534	81,256,990 (*) 67,352,505 (*) 50,319,204 52,143,363 22,070,958 4,663,073 1,623,195

Not available.
 \* Available data not comparable.
 \* Available data not comparable.
 \* Census of Agriculture.
 \* Parama reporting irrigated land, 1950, 1945, 1900, and 1890 Censuses; farms reporting irrigated cropland harvested, and/or irrigated pasture, 1940 Census; farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.
 \* Trigated land from which crops were harvested plus 228,476 acres of irrigated land used only for pasture.
 \* Trigated land from which crops were harvested.
 \* Arreage or 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		Censu	is of-	
(For definitions and explanations, see text)	1950	1940	1930	1920
Enterprises	5, 393	5, 555	4,461	6,035
Enterprises by type: Single-farm	4, 159	5, 123	4,237	(*)
Nutual: Unincorporatednumber	994	126	} 180	(*)
Incorporatednumber	158	132	)	
Commercialnumber. District	39	17 26	8 25	(*)
U.S. Pureau of Reclamation <sup>1</sup>	3	18	4	(*)
U.S. Bureau of Indian Affairsnumber.	7	<sup>2</sup> 105	5	(*)
Statenumber. Citynumber.	1	(2).		(*)
Othernumber			1 1,594,912	(*) 1,681,729
Irrigated land, total <sup>3</sup> acres	1,808,576	1,711,409	1, 594, 912	1,061,729
Acreage irrigated, by type of enterprise: <sup>4</sup> Single-farmacres	725, 543	833,068	885, 274	976,615
Shu tera I :		1		
Unincorporated,acres	323,918 339,246	158,840 417,820	418,862	393, 257
Incorporatedacres Commercialacres.	528	141,890	[ 22,375	34,115
Districtacres	236,790	, · · ·	1 83,870	35,153 88,291
U.S. Bureau of Reclamation <sup>1</sup> acres U.S. Bureau of Indian Affairsacres	38,568 158,106	186,002 133,542	98,327 75,844	98,887
State	51,752	<sup>2</sup> 9,110	350	20
Ci tyacres Other	(5)	(2)	10,000	320
			20,000	
Acreage irrigated, by source of water: <sup>4 6</sup> Streams (and lakes)acres	1,858,449	1,854,426	1,505,706	1,577,062
Springsacres	49, 143	27, 586	10,947	14,945
Flowing wellsacres	4,956 8,742	698 2,340	821 2,937	6,280 294
Pumped wells	1,797	( 6)	5	245
Other and not reportedacres	40,861	13,915	77,190	89,126 62,872
Irrigated land artificially drainedacres Irrigated land in need of drainageacres	189,497 182,614	146,322 52,071	85,189 59,995	50,901
Irrigation works:				
Diversion damstotal number	8,139	6,136	2,856	3, 545
Reservoirsnumber Total capacity (reported)acre-feet.	629 1,598,898	517 1,301,422	282	468
Reservoir damstotal number	629	468	326	523
Canals and ditchestotal length, miles	15,499 110	15,702	15,957	22,496
Pipe linestotal length, miles Flowing wellsnumber.	79	44	40	41
Pumped wellsnumber.	142	102	49	(*) 22
Average pumping lift (reported)fect Pumps	128 1,304	24	(*)	299
Average pumping lift from all sourcesfeet.	(*)	21	22	20
Capital investment, totaldollars	81,255,990	67,352,505	50, 319, 204	52,143,363
Capital investment by type of enterprise: Single-farm	9,232,621	6,238,533	7, 595, 504	15, 543, 287
Mutual:				
Unincorporated	5,089,725	4, 514, 497	8,466,936	6,692,877
Incorporateddollarsdollarsdollars	10,831,665 3,945,868	7,245,601 3,945,268	632, 480	676, 535
Districtdollars	5,104,619	3,736,632	5,404,781	1,708,851
U.S. Bureau of Reclamation <sup>1</sup>	28,866,619 16,466,016	26,607,374 14,079,522	18,325,910	14, 381, 316 8, 193, 390
U.S. Bureau of Indian Arrairsdollars	( <sup>5</sup> )	2 985.078	3,900	100
Citydollars	(5)	(2)	300,000	105, 538
Otherdollars			200,000	4,841,467

\*Not available. <sup>1</sup>For 1950, not including. Fureau of Reclamation projects operated by water users, which are classified under other types of enterprises. <sup>2</sup>Data for 1 "City and/or sewage" enterprise included with "State" enterprises in the 1940 Census. <sup>3</sup>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.) <sup>4</sup>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. <sup>5</sup>Data for less than 3 enterprises not shown separately. <sup>6</sup>Data for 1940, 1940, and 1920 combined as follows: "Stored storm water" with "Streams and lakes"; "City water," "Sewage," and "Other mixed" with "Other and not reported." For 1940, acreage reported by less than 3 enterprises for "City water," "Sewage," "Streams gravity; wells flowing, "Streams pumped; wells pumped," and supplemental water from "Wells, pumped" and "Wells, flowing" are omitted.

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#### 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]

				Type of en	terprise			·····
			Muti	val		U.S. Bureau o	f Reclamation <sup>1</sup>	<b>C</b>
Item (For definitions and explanations, see text)	All types	Single- farm	Unincor- porated	Incor- porsted	District	Operated by Bureau	Operated by water users <sup>2</sup>	Commercial Indian, State, city, and other
ENTERPRISES: FARMS AND LAND IRRIGATED								
Number of enterprises	5,393 5,555	4,159 5,123	994 126	158 132	39 26	3	16	40 1130
Farms irrigated direct per enterprisefarms 1949	3.1	1.0	3.6	22.2	66,9	102,3	129.3	65.6
Area irrigated directacres 1949 acres 1939	1,874,901 1,880,272	725,543 833,068	323,918 158,840	339,246 417,820	236,790 101,506	38,568 186,002	207,348 (*)	<sup>1</sup> 210,83 183,03
Average per enterpriseacres 1949	348	174	326	2,147	6,072	12,856	12,959	5,27
CHARACTERISTICS OF ENTERPRISES, 1949								
Multiple-purpose enterprisesArea irrigated directacres	8 96,344		4 225	2 570	1 6,050			89,49
Complete-system enterprisesarterprises Area irrigated directscres	4,497 1,461,455	3,566 614,801	790 254,091	95 238,071	24 181,545	1 200	9 176,193	2 172,74
Interprises by origin of water supply: No water from other enterprisesenterprises reporting	4,700	3,608	902	123	30	2	9	3
acres irrigated Part of water from other enterprisesenterprises reporting	1,622,422	614,801 247	284,966 55	295,526	196,917 2	37,441	176,094 1	192,77
acres irrigated All water from other enterprisesenterprises reporting	150,978 366	74,650 304	28,006 37	26,710 15	10,752 7	1	9,772 6	10,86
acres irrigated	101,501	36,092	10,946	17,010	29,121	1,127	21,482	7,20
Enterprises by delivery of irrigation water: No water delivered	46	42	1	1				
Water delivered direct to farms onlyenterprises reporting.	5,065	4,110 723,700	812	99	23	2 1,327	9 68,068	1 51,72
acres irrigated Water delivered to farms and to other enterprises	1,261,409 240 613,492	723,700	260,758 161 63,160	153,803 46 185,443	70,092 13 166,698	1,327	7 139,280	159,10
Water delivered to other enterprises onlyenterprises reporting	42		20	12	. 3			
Interprises by primary and supplemental irrigation: <sup>3</sup>								
All primaryacres irrigated	4,900 1,499,269	3,983 708,527	757 253,340	112 234,514	26 164,951	2 38,368	12 126,131	99,56
Part primary, part supplementalenterprises reporting Primary irrigation	246 309,307	21 1,392	175 41,193	30 94,873	9 65,685	1 173 27	77,116	105,99
Supplemental irrigationeres irrigated All supplementalenterprises reporting acres irrigated.	35,238 159 31,087	1,194 113 14,430	15,665 41 13,720	7,947 3 1,912	5,174 1 980		4,101	5,2
Enterprises by number of farms irrigated direct:	01,001	14,400	10,120					
Noneenterprises reporting 1-3enterprises reporting.	88 4,806	42 4,111	21 676	13 6	3 6			
4-9enterprises reporting. 10-29enterprises reporting.	318 114	6	253 39	46 62	4	2	1 2	
30-99enterprises reporting 100-299enterprises reporting.	50 j 9		5	26 3	12 4	1	63	i I
300-999	7			2	4		4	
Interprises by acres irrigated direct:				10				
Noneenterprises reporting 1-29enterprises reporting 30-99enterprises reporting.	88 1,155	42	21 45 187	13	3			
.enterprises reporting. 100-499	1,589 1,901	1,393 1,314	556	5 16 35	6	i	i	
1,000-9,999	364 216	183 99 15	136 46 3	57	7	1	27	ļ
10,000-29,999enterprises reporting 30,000 or moreenterprises reporting	61 14 5	3	د 		3		4	
USE OF SURFACE, GROUND, PUMPED AND				1	-		-	-
STORED WATER, 1949 Surface water:					1			
Gravity onlyacres irrigated	4,429 1,529,943	3,237 649,463	977 317,120	150 311,916	32 155,228		8 110,953	96,0
Pumped onlyacres irrigated	719 104,582	691 46,809	12 4,447	6 26,333	5 20,345	1	6 35,178	5,5
Gravity and pumped	133 231,634	122 20,965	2 1,915	2	2 61,217	1 37,241	61,217	109,2
round water only (pumped from wells)enterprises reporting acres irrigated	55 1,082	54 1,004	1 78					
urface (gravity or pumped} and groundenterprises reporting acres irrigated	57 7,660	55 7,302	2 358					
Stored water: None storedenterprises reporting	4,800	3,742	907	115	19		7	-
acres irrigated Part stored	1,293,513	658,821 236	288,572	244,549	68,241 12	1,327	62,296	32,0
All stored	362 372,668 231	52,604 181	33,610		70,942		55,084	164,1
acres irrigated.	208,720	14,118	1,736	43,286	97,607	37,241	89,968	14,7

"Not available. Data for less than 3 enterprises receiving water from Bureau of Reclamation projects are included only for other types of enterprises in which they are classified. These enterprises also included under "District" or other types of enterprises as the case may be. 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

				Type of er	terprise			
		······································	Mut	ual		U.S. Bureau	of Reclamation <sup>1</sup>	Commercial
Item (For definitions and explanations, see text)	All types	Single- farm	Unincor- porated	Incor- porated	District	Operated by Bureau	Operated by water users <sup>2</sup>	Indian, State, city, and other
SOURCES OF SURFACE WATER, 1949 <sup>3</sup>								
Streams (and lakes)acres irrigated	5,091 1,858,449	3,870 712,856	981 320,153	158 339,246	39 236,790	38,568	16 207,348	40 210,836
Springsenterprises reporting	344	332	11	1				
acres irrigated., Flowing wellsenterprises reporting.	49,143 46	45,430 46	2,975	738				
acres irrigated Drainage waterenterprises reporting	4,956 131	4,956 111					1	•••••
acres irrigated Sewageenterprises reporting.	40,861	14,672	3,855	5,669	16,665			
acres irrigated	1,797	8 1,797	•••••					••••
Dther sourcesDther sources		•••••••••••••	•••••					•••••
DRAINAGE OF IRRIGATED LAND, 1949 Irrigated land drained;					1			
Enterprises reportingenterprises	377	219	92	41	16	2	10	?
Area supplied primary irrigationArea artificially drainedacres	582,395 189,497	73,522 11,254	48,269 6,367	131,661 34,798	182,796	38,368 1,600	172,248 44,588	107,779 84,409
Irrigated land in need of drainage: Enterprises reporting	714	479	160	45	19	2	11	9
Area supplied primary irrigation	730,648 182,614	142,673 16,778	68,454 13,353	151,400 23,823	187,032 34,629	38,368 2,100	175,607 25,450	142,721 91,931
IRRIGATICN WORKS, 1950	+02,014	10,((8	10,000	23,623	34,029	2,100	064,62	31, 331
Diversion dams	4,068	3,064	882	79	21	1	8	21
Diversion dams by material;	8, 139	6,774	1,148	114	25	3	8	75
Concrete or masonry	449 1,674	240 1,230	121 399	42 22	75	2 1	1	37 17
Farth and rockdams Other, mixed, and not reporteddams	5,365 651	4,786 518	532 96	33 17	5		3	9 12
Reservoirsenterprises reporting	443	369	22	21	10	1	3	20 44
reservoirs, Reservoirs for which capacity was reportednumber.	629 577	501 459	35 26	32 31	14 14	3	5 5	44
Reservoirs by capacity: total capacity, acre-feet	1,598,898	54, 833	13,290	429,901	246,409	280,700	220,950	573,765
1-99 acre-feetreservoirs. 100-999 acre-feetreservoirs. 1,000 acre-feet and overreservoirs.	369 124 84	352 99 8	9 11 6	1 6 24	2 5 7		1 4	5 3 36
Reservoir dams by material: Concrete or masonry	20	14		1	4		1	1
Earth and rock	551 58	460 27	22 13	18 13	82	3	2 2	40 3
Canals and ditches	3,591	2,393	979	147	36 1,644	3 365	16 1,580	33 2,615
total length, miles Pipelines and siphons	15,499 219	5,781 143	2,921 36	2,172 17	9	2	4	12
total length, miles.   Tunnelsenterprises reporting.	110 20	63	8 8	11 8	6	1	72	· 22
total length, feet Flowing wells	17,586 46		1,455	б,352	8,379		7,654	1,400
wells Pumped wells	79 112	79 109						
Wells for which pumping lift was reportedwells	142	137	5					
Average pumping liftfeet ]	128 30	124 29	31	• • • • • • • • • • • • • • •				
Irrigation pumpspumps	963 1,304	923 1,200	17 22	6 24	17	2 4	8 19	8 37
Electric motors used for pumpingenterprises reporting electric motors	356 473	329 402	12 16	3 19		2	6 16	6 21
Other motors and engines used for pumpingenterprises reporting.	657	643	6	3	3		2	2
other motors and engines	792	764	6	5	6		3	11
SEASON OF IRRIGATION, 1949 Water delivered only before July 1enterprises reporting.	440	410	27	3				
acres irrigated.	64,300	51,950	5,500	6,850				35
Water delivered before and after July 1enterprises reporting acres irrigated	4,582 1,780,501	3,412 650,700	946 312,523	149 331,526	37 236,790	38,568	16 207,348	210,394
Water delivered only after July 1enterprises reporting acres irrigated	219 11,978	203 9,959	9 707	4 870				. 3 442
CAPITAL INVESTMENT, 1950 AND 1940								
Capital investment in irrigation works and water rights to Jan. 1, 1940	67,352,505	6,238,533	4,514,497	7,245,601	3,736,632	26,607,374	(•)	19,009,868
New capital investment Jan. 1, 1940 to Jan. 1, 1950:			455	73	16	5	11	15
Enterprises reportingdollars 1950	2,428 13,904,485	1,867 2,994,088	575,228	3,586,064	1,367,987	2,259,245	3,988,042	3,121,873
Area irrigated directacres 1949 Total capital investment Jan. 1, 1950dollars 1950	995,247 81,256,990	386,575 9,232,621	163,133 5,089,725	164,498 10,831,665	140,404 5,104,619	1,327 28,866,619	156,302 (•)	139,310 22,131,741
INDEBTEDNESS, 1950 <sup>4</sup>					1			
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reportingenterprises	97		5	37	. 22	3	16	30
Amountdollars Area irrigated directacres	41,498,918 579,899	• • • • • • • • • • • • • • • • • • •	5,525 3,069	2,373,743 112,995	14,681,451 219,851	5,656,862 38,568	15,689,426 207,348	18,781,337 205,416
Arrearage in payment of principal or interest on bonds,			-1-05					
construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reporting	15			1	2		2	12 1, 373, 613
Amount	1,381,563			608	7,342		7,342	

\*Not available. <sup>1</sup>Data for less than 3 enterprises receiving water from Bureau of Reclamation projects are included only for other types of enterprises in which they are classified. <sup>2</sup>These enterprises also included under "District" or other types of enterprises as the case may be. <sup>3</sup>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. <sup>4</sup>Not 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]

	counted for each enterprise] Type of enterprise												
		<del>п</del>	r	T		····							
Ttem			Mut	ual		U.S. Bureau o	of Reclamation <sup>1</sup>	Commercial,					
(For definitions and explanations, see text)	All types	Single- farm	Unincor- porated	Incor- porated	District	Operated by Bureau	Operated by water users <sup>2</sup>	Indian, State, city, and other					
COST OF WATER TO FARMS, 1949 <sup>3</sup>													
Total cost of water to farms:         Enterprises reporting	5,305 2,514,679 1,874,901 1.34	4,117 469,115 725,543 0.65	973 179,141 323,918 0.55	145 584,133 339,246 1.72	36 706,599 236,790 2.98	38,568	16 631,064 207,348 3.04	31 467,000 210,836 2,31					
Enterprises by cost per acre:													
Less than \$1.00acres irrigated. acres irrigated. \$1.00-\$1.99	3,735 1,039,806	2,868 610,312	778 271,635	71 125,811	10 12,678			19,370					
\$1.00-\$1.99 acres irrigated \$2.00-\$4.99	474 303,749 585	312 48,805 466	115 39,349	36 94,113	72,686		68,967	48,796					
acres irrigated \$5.00-\$9.99	470,103 298	466,321 266	57 9,607 17	31 106,803	17 129,207	38,368	12 121,080	12 139,797					
acres irrigated \$10.00 or more	51,771 213	14,267 205	2,121	11,506	20,804	200	17,301	2,873					
acres irrigated	9,472	5,838	1,206	1,013	1,415								
Cost of water for primary irrigation: Enterprises reporting	5,146	4,004 449,341	932 169,098	142	35	3	16	30					
Area supplied primary irrigationacres Cost per acre supplieddollars	1,808,576	709,919	294,533	574,528 329,387	692,862 230,636	88,436 38,541	624,277 203,247	475,870 205,560					
Cost of water for supplemental irrigation: Enterprises reporting			0,57	1.74	3.00	2.29	3.07	2.32					
Cost	405 64,536 66,325	134 19,774 15,624	216 10,043	33 9,605	10 13,737	255	6,787	11 11,122					
Cost to farms for purposes other than	0,97	1,024	29,385 0.34	9,859 0.97	6,154 2,23	27 9.44	4,101 1.65	5,276 2,11					
Ost to farms for purposes other than operation and maintenance: " Enterprises reporting	126 541,568		54 36,295	32 81,835	21 328,908	1 37,260	12 262,728	18 57,270					
Area irrigated directdores Cost per acre irrigateddollars	432,547		22,956 1.58	105,471	219,447	37,241	188,193 1,40	47,432					
Arrearage in payments by farms, Jan. 1,1950:4 Enterprises reportingenterprises													
Amount	49 106,880 341,683		12 3,029 12,172	24 15,390 116,713	10 40,676 154,971		5 32,885 134,101	3 47,785 57,827					
QUANTITIES OF WATER REPORTED, 1949 <sup>4</sup>			,										
Total obtained from all sources <sup>5</sup> enterprises reporting	998		779	141	38	3	16	37					
acre-feet Surface sourcesSurface sources	5,650,173 93B		1,700,572 744	1,654,876	1,132,253 31	338,862 2	945,006 10	823,610 35					
acre-feet Pumped wellsenterprises reporting	5,184,577		1,589,382	1,557,427	928,786	331,812	759,784	777,170					
acre-feet Other enterprisesOther enterprises reporting	1,575 128		1,575 80	34	9	1	7	4					
acre-feet. Conveyance loss <sup>5</sup> acre-feet. acre-feet.	464,021 954		109,615 754	97,449 132	203,467 35	7,050	185,222	46,440 30					
Delivered: <sup>5</sup> Direct to farmsenterprises reporting.	1,365,610		315,680	310,745	391,280	102,277	357,495	245,628					
To other enterprises	965 3,543,947	•••••	766 1,247,946	131 1,136,002	35 670,430	3 41,948	16 559,070	30 447,621					
For use other than irrigationenterprises reporting.	196 627,795 27		118 136,612	45 175,619	15 24,150	194,637	3,548	17 96,777					
acre-feet	112,821		334	32, 51 0	7 46,393		24,893	33,584					
Delivered direct to farms for primary irrigation: Enterprises reportingenterprises	927		733	128	34	3	16	29					
Quantity delivered	3,222,986 1,036,244 3,1	•••••	1,144,843 244,949 4.7	1,028,758 317,272 3.2	573,613 230,332 2.5	41,423 38,541 1,1	469,941 203,247 2.3	434,349 205,150 2,1					
Delivered direct to farms for supplemental irrigation:				512	2.0	1.1	2.5						
Enterprises reportingenterprises Quantity deliveredacre-feet	203 178,534		149 102,359	32 48,151	·10 14,721	1 31	4 7.033	11 13,272					
Area supplied supplemental irrigation,acres Quantity per acre suppliedacre-feet.	43,185		21,891 4.7	9,837 4.9	6,154 2,4	27 1.1	4,101	5,276					
Cost of water to farms for enterprises reporting													
quantity delivered: Cost for primary irrigationdollars	1,929,164		123,653	549,611	692,711	88,436	624, 277	474,753					
Average cost per acre-footdollars Cost for supplemental irrigationdollars	0.60 41,939		0.11 7,220	0.53 9,605	1,21 13,737	· 2.13 255	1.33	1.09					
Average cost per acre-footdollars	0.23	•••••	0. 07	0.20	0,93	8.23	0.97	0.84					
Measurement of water to farms: No water measuredenterprises reporting	838		707	87	25		5	19					
acres Part of water measured	511,292 114		210,054 84	165,143	93, 303 7	1	49,571	42,792 7					
acres All water measuredAll water measured	191,543 192		33,517 123	46,010 48	44,198 7	37,241 2	43,218	30,577 12					
acres <sup>1</sup> Data for less than 3 enterprises receiving water from Bureau of I	409,259	••••••	47,887	124,016	99,289	1,327	114,559	136,740					

Data for less than 3 enterprises receiving water from Bureau of Reclamation projects are included only for other types of enterprises in which they are classified. These enterprises also included under "District" or other types of enterprises as the case may be. Scherprises with reported cost of \$0 in 1949 are included. Not reported by single-farm enterprises. For 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]

	Total		Type of	water <sup>2</sup>			Acres irri	gated <sup>2</sup>	
Item (For definitions and explanations, see text)	complete- system enterprises1	Surfa All gravity	Ce <sup>3</sup> All pumped	Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
ENTERPRISES: FARMS AND LAND IRRIGATED									
umber of enterprisesenterprises	4,497 3.0 1,461,455 325	3,770 2,7 1,204,591 320	543 1,8 71,588 132	52 1.0 1,082 21	132 17.9 184,194 1,395	2,414 1.2 92,423 38	1,866 2.1 537,372 288	203 13.0 435,045 2,143	1 305. 396,61 28,33
Hul tiple-purpose enterprises	5 90,233	4 734			1 89,499	2 43	2 691		89,49
'ype of enterprise: Single-farmacres acres	3,566 614,801	2,868 558,628	524 34,031	51 1,004	123 21,138	2,205 80,815	1,262 326,423	95 170,562	37,00
Mutual: Unincorporatedacres irrigated. acres irrigatedenterprises	790 254,091 95	777 248,910 89	9 3,560 4	1 78	3 1,543 2	201 11,117 3	552 181,968 32	37 61,006 57	
acres irrigatedenterprises	23B,071 3	212,516 2	24,558 1		997	237 2	18,984 1	154, 523	64,33
acres irrigated Districtenterprises acres irrigated	528 24 181,545	483 20 116,410	45 2 3,918	· · · · · · · · · · · · · · · · · · ·	2 61,217	118 1 85	410 11 6,233	8 28,378	146,84
U.S. Bureau of Reclamation <sup>4</sup> acres irrigated U.S. Bureau of Indian Affairs <sup>4</sup> acres irrigated acres irrigated	1 200 5 148,106	1 200 3 48,807		· · · · · · · · · · · · · · · · · · ·			1 200 1 780	1 9,800	137,5
Stateenterprises	12 23,663	9 18,187	3 5,476			1 50	5 1.924	5 10,776	10,9
Cityenterprises scres irrigated	(5)	(5)					(5)		
Enterprises by primary and supplemental irrigation: <sup>6</sup> All primaryacres reporting acres irrigated	4,169 1,162,102	3,487 992,291	511 68,914	49 884	122 100,013	2,278 85,931	1,700 484,648	181 372,131	219.3
Part primary, part supplementalenterprises reporting Primary irrigationacres irrigated Supplemental irrigation	197 249,045 23,184	189 169,937 21,793	4 268 116	1 20 160	3 78,820 1,115	61 1,879 1,454	114 26,992 10,364	18 49,353 4,964	170,8 6,4
All supplementalacres irrigated	131 27,124	94 20,570	28 2,290	2 18	7 4,246	75 3,159	52 15,368	4 8,597	
Enterprises by number of farms irrigated: 1-3	75 33 6 7	3,418 244 71 27 5 5	529 5 4 1	52	125 2 2 2 1	2,382 30 2	1,632 203 24 7	107 18 49 25 4	
Enterprises by acreage irrigated:         enterprises reporting           30-99	1,585 281 162 41 10	749 1,114 1,440 270 150 37 8 2	208 97 4 9 2		25 46 7 3 2 1 2	1,038 1,376	1,585 281	 162 41	·····
USE OF SURFACE, GROUND, PUMPED AND STORED WATER						1,863	1,709	188	
Surface water: Gravity only Pumped only Pumped only	543	1,204,591	543			74,724 430 14,030	503,000 102 20,342	393,830 10 24,354	
cores irrigated. Gravity and pumped	83				83 178,374	38 1,554	37	16,861	1 50
Ground water only (pumped from wells)enterprises reporting. acres irrigated. Surface (gravity or pumped) and groundenterprises reporting. acres irrigated.	. 49				45		380 16		
Stored water: None storedacterprises reporting. enterprises reporting.	222	927,317 193	68,19	1,082	53,580	84,710 86	106	376,95 2 54,74	3 93 4 200
Part storedentcrprises reporting. acres irrigated. All storedenterprises reporting.						111	46		2 [

<sup>1</sup>"Complete-system" irrigation enterprises are those that (1) delivered 90 percent or more of their irrigation water to farms, less than 10 percent and (2) obtained less than 10 percent of their water from other irrigation enterprises. Enterprises that delivered no water in 1949 are excluded. <sup>2</sup>Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise. <sup>3</sup>Surface water includes water from springs and from (lowing wells. <sup>4</sup>Dato for less than 3 enterprises not shown separately. <sup>5</sup>For interstate enterprises, data represent characteristics within the State.

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#### 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]

			Type of	water <sup>2</sup>	t		Acres ir	rigated <sup>2</sup>	
Item (For definitions and explanations, see text)	Total complete- system	·····	ace <sup>3</sup>	Ground		1	100	1,000	10,000
	enterprises <sup>1</sup>	All gravity	Ai) pumped	(pumped wells)	Mixed	to 99	to 999	to 9,999	and over
SOURCES OF SURFACE WATER <sup>4</sup>									
Streams (and lakes)acres reporting acres irrigated		3,541 1,190,897	538 71,049		126 183,299	2,162 86,517	1,828 529,696	201 432,417	14 396,61
Springsenterprises reporting	326	30.6	12		. 8	240	77	. 9	
acres irrigated Flowing wells	38	42,990 29	132		1,022	6,962 24	21,534	15,648 1	
ncres irrigated Drainage waterenterprises reporting	4,702 113	3,877	13		819 10	707 61	2,395 47	1,600	•.••••
acres irrigated Sewageenterprises reporting.	38,744	35,677	767		2,300	2,084	12,295	7,700	16,66
acres irrigated	1,661	1,248			413	15	1,656		
Other sourcesacres reporting acres irrigated						••••			
DRAINAGE OF IRRIGATED LAND			F						
Irrigated land drained:					10	50	1.00		
Enterprises reportingAcreage supplied primary irrigation	290 418,227	249 247,542	30 22,102	1 90	10 148,493	82 3,601	158 53,950	43 121,950	238,72
Acreage artificially drainedacres Irrigated land in need of drainage:	161,597	41,882	6,978	20	112,717	1,990	10,377	21,819	127,41
Enterprises reportingenterprises. Acreage supplied primary irrigationacres.	576	516 286,204	38 30,531	4 92	18	184	323 101,498	бО 153,510	202,45
Acreage in need of drainageacres	466,444 132,983	46,642	3,907	29	149,617 82,405	8,976 2,571	15,091	24,044	91,27
IRRIGATION WORKS							1.601	1.00	,
Diversion damsdams	3,514 6,964	3,363 6,639	59 124	2	· 90 199	1,743 2,604	1,601 3,544	160 753	1 6
Diversion dams by material: Concrete or masonrydams	349	304	10		35	96	167	- 57	2
Timberdams. Earth or rockdams.	1,328	1,277	19		32 115	443	752 2,385	119 518	
Other, mixed, and not reporteddams	4,715 572	4,516 542	82 13	2	17	1,797 268	240	59	
Reservoirsenterprises reporting,. reservoirs	373 527	305 424	41 56		27 47	203 257	140 205	22 37	2
Reservoirs for which capacity was reportedtotal capacity, acre-feet	488 706,749	390 - 547,642	54 4,809		44 154,298	236 17,769	193 40, 810	31 75,120	2 573,05
Reservoirs by capacity: 1-99 acré-feetreservoirs.	340	272			24	201	129		
10D-999 acre-feetreservoirs	97	80	44		7	30	56	7	
1,000 acre-feet and overReservoir dams by material:	51	38	•••••	•••••	13	5	В	16	2
Concrete or masonrydams Earth or rock	16 468	14 373	1 53		1 42	8 235	3 186	1 25	2
Other, mixed, and not reporteddams	43	37	2		4	14	16	11	_
Canals and ditches	2,948 11,842	2,713 9,560	146 472	6	83 1,806	1,308 1,711	1,450 4,377	176 2,014	1 3,74
Pipelines and siphons	175 100	94 63	57	8	16 13	106 50	43 30	18 7	1
Tunnelsenterprises reporting	13	11			2	1	5 1.290	4 2,040	10,90
total length, feet Flowing wells	14,326 38	10,272 29	1		4,054	95 24	13	1	
wells Pumped wellsenterprises reporting.	60 100	45	2	52	13 48	37 B3	22 17	1	
wells. Wells for which pumping lift was reportedwells	125 112			64 57	61 55	101 92	24 20		
Average pumping lift	29 723	8	533	33 52	26 130	30 551	28 154		
pumps	985	9	735	65	176	696	225	52	. 1
Electric motors used for pumpingenterprises reporting electric motors	255 342	5 5	174 238	33 38	43 61	174 199	69 97	11 38	1
Other motors and engines used for pumpingenterprises reporting other motors and engines	500 614	777	385 472	19 25	89 110	401 477	93 124	4 9	
SEASON OF IRRIGATION									
Enterprises reporting and acreage irrigated:									
Water delivered only before July 1enterprises reporting acres irrigated	415 56,593	357 53,170	47 2,776		11 647	265 10,620	145 37,747	5 8,226	
Water delivered before and after July 1enterprises reporting	3,798	3,244	394	48	112 182,434	1,927	1,660	197 423,532	1 396,61
acres irrigated Water delivered only after July 1enterprises reporting	1,379,679	1,131,182	65,023 82	1,040	7	75,257	484,275 27		
Acres irrigated	10,616	7,157	2, 593	26	840	4,352	6,264		
NEW CAPITAL INVESTMENT New cmpital investment Jan. 1,1940 to Jan. 1,1950:			ł					1	
Enterprises reporting Enterprises	1,981	1,493	364	35	89	957	904	111	3 700 17
Amountdollars Area irrigatedacres.	10,121,169 807,167	3,634,264 606,920	3,827,521 53,317	35,215	2,624,169 145,934	922,968 38,953	2,064,038 272,999	3,424,691 233,821	3,709,47 261,39
INDEBTEDNESS <sup>5</sup>				1					-
Dutstanding bonds, construction cost, and other funded									
obligations, Jan. 1,1950: Enterprises reportingenterprises	54	42	7		5	4	11	29	1
Amountdollars	27,458,028 421,097	12,244,930 228,818	1,858,928		13,354,170	27,910 259	237,164 6,830	2,937,854 88,393	24, 255, 10 32 5, 61
Area irrigated	421,077	220,010	, 31,129		161,150	239	0,000	00,000	
construction cost, and other funded obligations, Jan. 1,1950: Enterprises reportingenterprises	5	3			2		1	3	
Amountdollars Area irrigatedacres.	27,470 46,681	15,608 4,234			11,862 42,447	• • • • • • • • • • • • •	10,000 727	15,128 13,307	2,342 32,64
<sup>1</sup> "Complete-system" irrigation enterprises are those that (1) deligible			1						

<sup>1</sup>"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 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. <sup>2</sup>Interstate enterprises are classified according to type of water or acress irrigated for the entire enterprise. <sup>3</sup>Surface water includes water from springs and from flowing wells. <sup>4</sup>Enterprises reporting water from more the source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise. acreage represents acreage within the State. <sup>5</sup>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]

	m •		Type of	water <sup>2</sup>			Acres irrigated <sup>2</sup>				
(Englistic englished and the second second	Total complete-	Surf	ace <sup>3</sup>	1							
(For definitions and explanations, see text)	system enterprises <sup>1</sup>	All gravity	All pumped	Ground (pumped wells)	Mixed	l to 99	100 to 999	1,000 to 9,999	10,000 and over		
COST OF WATER TO FARMS <sup>4</sup>						-					
otal cost of water to farms: Faterprises remorting	4 407	2 770			1 100		1.044		Í,		
Cost	4,497 1,824,411 1,461,455 1,25	3,770 986,502 1,204,591 0,82	543 304,026 71,588 4.25	52 4,215 1,082 3,90	132 529,668 184,194 2.88	2,414 123,374 92,423 1.33	1,866 326,978 537,372 0.61	203 454,030 435,045 1.04	1 920,02 396,61 2.3		
nterprises by cost per acre: Less than \$1.00	3, 312	3,195	60	6	51	1.639	1,526	144			
acres irrigated. \$1.00-\$1.99enterprises reporting.	840,736 372	823,441 268	6,608 65	409 3	10,278 36	66,239 169	445,618	291,879 31	37,00		
acres irrigated \$2.00-\$4.99enterprises reporting.	229,940 440	201,298 213	8,835	237	19,569 26	7,762 287	49,000 124	74,977 21	98,20		
acres irrigated \$5.00-\$9.99enterprises reporting.	358, 511 214	169,653 65	35,028 125	217 13	153,613 11	11,039 172	32,430 37	53,628 5	261,41		
acres irigated \$10.00 or more	25,432 159 6,836	6,830 29 3,369	17,857 101 3,259	163 21 56	582 8 152	5,099 147 2,284	8,200 10 2,124	12,133 2 2,428	· · · · · · · · · · · ·		
st of water for primary irrigation:									_		
Enterprises reporting	4,366 1,777,310 1,411,147 1,26	3,676 955,900 1,162,228 0,82	515 296,246 69,182 4.34	50 4,114 904 4,55	125 521,050 178,833 2,91	2,339 115,575 87,810 1.32	1,814 310,772 511,640 0,61	199 441,995 421,484 1,05	1 908,96 390,21 2,3		
at of water for supplemental irrigation:											
Enterprises reporting	328 47,101 50,308 0,94	283 30,602 42,363 0,72	32 7,780 2,406 3,23	3 101 178 0,57	10 8,618 5,361 1,61	136 7,799 4,613 1,69	166 16,206 25,732 0,63	22 12,035 13,561 0,89	11,06 6,40 1.73		
st to farms for purposes other than operation ad maintenance: <sup>5</sup> Enterprises reporting	79	70	. 5.		4	12	35	27	•		
Costdollars Area irrigatedacres Cost per acre irrigateddollars	304,202 257,345 1.18	152,164 173,271 0.88	35,402 12,423 2.85	· · · · · · · · · · · · · · · · · · ·	116,636 71,651 1.63	2,172 776 2,80	22,809 14,305 1.59	90,744 77,950 1,16	188,47 164,31 1,1		
rearage in payments by farms, Jan. 1,1950: <sup>5</sup> Enterprixes reporting	38 67,098 89,122	33 54,861 36,950	3 2,123 9,725		2 10,114 42,447	1 175 90	10 2,940 4,601	18 18,411 66,660	45,57 17,77		
QUANTITIES OF WATER REPORTED <sup>5</sup>											
tal obtained from all sources <sup>6</sup> enterprises reporting acre-feet	749 3,732,277	726	15 116,205	1 465	7 394,985	147 63,658	492 1,037,544	99 1,267,170	1,363,90		
Surface sources,	747	725	15 116,205		7 394,985	146 63,193	491 1,034,454	99 1,265,915	1 1,363,90		
Pumped wellsenterprises reporting. acre-feet.	1 465			1 465		465					
Other enterprises	13 4,345	13 4,345					10 3,090	3 1,255			
nveyance loss <sup>6</sup>	718 956,395	697 766,426	14 35,955		7 154,014	137 11,307	473 186,288	97 272,032	486,76		
livered: <sup>6</sup> Direct to farms	743	726	15	1 465	7	147 52,160	492 847,191	99 962,482	1 827,84		
acre-feet To other enterprises	2,689,682	2,368,996	80,250		239,971	1	2	15	13, 38		
acre-feet For use other than irrigationenterprises reporting acre-feet	23,923 14 62,277	22,923 14 62,277		•••••	1,000	5 3 186	374 4 3,691	10,159 5 22,497	35,90		
livered to farms for primary irrigation:						3.40	474	97	1		
Enterprises reporting	722 2,508,384 764,729 3.3	700 2,189,124 566,760 3,9	14 80,115 35,994 2.2	1 465 78 6.0	238,680 161,897 1,5	140 44,805 7,062 6,3	474 768,611 159,727 4.8	921,682 244,727 3.8	773,28 353,21 2,		
ivered to farms for supplemental irrigation; Enterprises reportingenterprises	157	155	1		1	34	98	21 40,800	14,13		
Quantity delivered: Acreage supplied supplemental irrigationacres. Quantity per acre suppledacres.	138,407 32,605 4.2	136,981 31,484 4.4	135 45 3.0	•••••	1,291 1,076 1,2	7,355 923 8.0	76,114 15,219 5.0	10,061	6,40 2.		
t of water to farms for enterprises reporting manity delivered:							-				
Cost for primary irrigationdollars	1,397,973	726,930 0.33	173,846 2,17		497,197 2.08	5,550 0,12	100,887 0,13	385,568 0.42	905,96 1.1		
Average cost per acre-footdollars Cost for supplemental irrigationdollars Average cost per acre-footdollars.	0.56 29,581 0.21	0.33 27,047 0.20	2.17 135 1.00	•••••	2,08 2,399 1.86	672 0.09	11,013 0.14	6,835 0.17	11,05		
surement of water to farms: No water measuredacresacres	657 363,365	639 321,348	11 10,829	1 78	6 31,110	173 9,586	424 141,033	57 120,470	92,27		
Part of water measuredenterprises reporting	363,365 81 120,206	321,348 78 75,106	10,829 1 2,653		42,447	9,505 9505	141,033 56 21,141	15 65,913	32,64		
acres All water measured	120,206	115	2,000		1 1	12	73	31	1		

# 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	Beaver- head	Big Horn	Blaine	Broad- water	Carbon	Carter	Cascade
Irrigated farmsnumber 1950	13,457	338	432	367	220	787	20	33
1945 Proportion of all farmspercent 1950	12,997 38.4	371 91.4	446 50.1	416 45.4	226 79.1	712 78.9	1 4, 5	32 29.
and in irrigated farmsares 1950 average per farm, acres 1950	21,055,272 1,564,9	1,430,274 4,231.6		899,506 2,451,0	515,152 2,341.6	463,988 589.6	101,433 5,071,6	442,06 1,327,
Value of land and buildingsaverage per farm, dollars 1950 average per acre, dollars 1950	29,647 18.86	69,245 19.63	43,173 15.01	31,747 12,77	38,509 24.15	21,048 39,34	47,727 8,80	28,64 20,7
Proportion of irrigated farms reporting valuepercent 1950 Proportion of land in irrigated farms for which	91	76	89	95	80	88	70	10
value wes reportedpercent 1950	86	63	93	96	54	80	75	)(
and in irrigated farms according to use, 1949: Cropland harvested.:farms reporting.	12,951	326	415	360	219	759	18	3
acres Cropiand used only for pastureacres	2,064,646 682,454	183,983 77,364	71,583 16,659	63,209 6,779	55,360 7,420	84,473 19,340	3,338 740	39,3 16,8
Cropland not harvested and not pasturedacres Woodland pasturedacres	644,653 1,458,130	3,456 24,091	22,932	19,696	14,520	17,303	2,315	16,0
Other pasture (not cropland and not woodland)acres	15,693,749	1,127,873	100,534 968,169	9,552 790,779	21,558 406,381	15,279 315,021	1,823 92,738	38,5 320,2
Land pastured, totalacres,	12,437 17,834,333	333 1,229,328	375 1,085,362	352 807,110	200 435,359	758 349,640	20 95,301	375,6
rrigated land in farmsacres 1949 1944	1,716,792	236,405 209,833	51,762	45,548 41,265	40,202 37,027	80,847 73,127	3,123 30	33,2 33,4
Land irrigated by sprinklersfarms reporting 1949 acres 1949	250 15,520	1 4,800	1 12		1 40			
rrigated land in farms according to use, 1949: Irrigated cropland harvestedfarms reporting.,	12,613	326	407	358				
acres Irrigated pasturefarms reporting	1,366,851	181,841	42,170	40,125	219 33,645	750 64,993	16 1,328	3 25,7
Irrigated wild grass pasture	6,585 317,734	131 53,784	171 6,054	133 4,331	93 6,154	487 14,723	12 1,805	1 6,4
acres.	2,792 187,243	107 50,582	76 1,438	82 2,471	35 3,832	129 4,105	12 1,755	2,4
Irrigated tame grass pastureacres acres	4,388 130,491	34 3,202	104 4,616	74 1,860	63 2,322	406 10,618	1	13,9
Irrigated cropland not harvested and not pasturedfarms reporting.	1,267	6	72	45	5	72		
acres	32,207	780	3, 538	1,092	403	1,131		1,1
rrigated farms by acres irrigated in 1949: 1-9 acresfarms reporting	1,399	4	20	20	5	39		
10-19 acresfarms reporting. 20-29 acresfarms reporting.	945	2	23	20 27 18	7	47		
30-49 acresfarms reporting. 50-99 acresfarms reporting.	1,521	7	52	34	15 15	36 81	·····i	
100-199 acresfarms reporting.	3,450 3,304	40 65	108 136	87 110	42 72	228 282	5	
200 acres and overfarms reporting rigated farms by tenure of operator, 1950:	2,023	214	65	71	64	74	6	
Full owners	7,044 4,162	184 117	94 160	160 153	101 74	439 154	5 13	2
Managersnumber Tenantsnumber	142 2,109	10 27	100 3 175	133 13 41	2	2		.1
nd in wholly and in partly irrigated farms:	2,105	21	113	41	43	192	2	
Wholly irrigated farmsacres 1950	7,805	297 1,208,293	243 545,260	209 203,571	128 154,027	532	5	2
Cropland harvestedacres 1949. Irrigated landacres 1949.	895,352	165,899	26,716	24,550	19,851	243,256 47,442	37,412 380	100,4 18,5
Partly irrigated farms	1,125,129 5,652	211,286 41	34,319 189	28,016 158	24,884 92	59,616	690 15	24, 2
	12, 181, 542	221,981	645,119	695,935	361,125	255 220,732	64,021	1 341,5
acres 1949.,	5,146 1,169,294	29 18,084	172 44,867	151 <sup>.</sup> 38,659	91 35,509	227 37,031	13 2,958	1 20,7
Irrigated landacres 1949 Irrigated cropland harvestedfarms reporting 1949	591,663 4,808	25,119 29	17,443 164	17,532 149	15,318 91	21,231 218	2,443	9,0 1
aracteristics of wholly irrigated and nonirrigated farms:	471,499	15,942	15,454	15, 575	13,794	17,551	948	7,2
Wholly irrigated farms	7,805	297	243	209	128	532	5	2
All landacres 1949 Cropland harvestedacres 1949	1,136.9	4,068.3	2,243.9	974.0	1,203.3	457.2	7,482.4	463
Land in bearing and nonbearing fruit orchards, planted nut	114.7	558.6	109.9	117,5	155.1	89.2	76.0	85.
trees, and vineyards	0.3	····( <sup>1</sup> )	$\binom{1}{1}$	$\binom{1}{(1)}$	$(1)^{0.1}$	0.5		(1)
Small grains (including sorghums)acres 1949 All hayacres 1949	30.1 73.8	25.8 533.1	52.9 34.7	48.0 49.6	61.7 79.5	26.6 39.4	76.0	47. 31.
Farms by tenure of operator: Full owners and managers	4,604	172	60	118			2	1
Part ownersnumber 1950 Tenantsnumber 1950	1,905	100	71	63	66 36	303 79	3	
Value of land and buildings per farmdollars 1950:.	1,296 24,831	25 69,380	112 29,034	28 21, 326	26 33,342	150 20,352	53,649	20,0
Nonirrigated farmsnumber 1950 Average acreage per farm:	21,628	32	430	441	58	211	422	8
All landacres 1949	1,765.9	1,048.7	4,083.0	1,995.3	1,100.4	892.4	3,656.5	1,298
Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	254,7	44.3	192.6	241,3	213.1	119.4	159.6	235
trees, and vineyardsacres 1949 Vegetables harvested for saleacres 1949	$\binom{1}{1}$		$\binom{1}{1}$	(1)	$\binom{1}{1}$	$(1)^{0.1}$	(1)	$\binom{1}{(1)}$
Small grains (including sorghums)acres 1949 All hayacres 1949	212.0 38.0	30.0 17.2	141.3 52.3	204.1	180.9	89.0	46.8	191
Farms by tenure of operator: Full owners and managersnumber 1950				34.0	27.3	28.9	109.8	44
Part owners	9,171 9,411	18 10	169 191	187 202	28 15	113 60	162 230	3
Tenantsnumber 1950 Value of land and buildings per farm	3,046 26,425	12,578	70 28,512	52 22,129	15 31,056	38 17,286	30 28,547	1 31,6
rigated farms and irrigated land by origin of water, 1949:					,		,,,,,	
Individually operated supply works and— No other irrigation enterprise	3, 395	221	62	74	48	118	20	
acres irrigated   l other irrigation enterprise	600,903 581	176,915	4,467	6,064 31	10,204	10,761	3,133	5,6
acres irrigated. 2 or more other irrigation enterprisesfarms reporting.	129,896	23,091	481	4,581	6,588	3,570		4
acres irrigated,	95 48,126	12,730	2 4,360		4 1,335	716		••••
No individually operated supply works but— l other irrigation enterprisefarms reporting	8,615	79	337	236	114	558		20
acres irrigated 2 or more other irrigation enterprisesfarms reporting	811,505	19,835 10	38,036 28	29,798 26	14,418	53, 522		26,90
a of more other irrigation enterprises,								

# County 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]

	[1950 data for items shown in italics are base	a on report:	s for only i	a sample o	i larms.	See text]				
	Item (For definitions and explanations, see text)	Chouteau	Custer	Daniels	Dawson	Deer Lodge	Fallon	Fergus	Flat- head	Gallatin
1	Irrigated farmsnumber 1950	60	254	5	108	87	7	103	113	691
2 3	1945,. Proportion of all farmspercent 1950.	34 5.2	203 50.2	0.9	87 14.2	124 75.0	1.7	70 8.6	78 8.0	617 61.2
4 5	Land in irrigated farmsacres 1950 average per farm, acres 1950.	349,685 5,828.1	836,115 3,291.8	17,891 3,578,2	88,631 820.7	210,437 2,418.8	76,160 10,880.0	404,037 3,923,7	27,940 247,3	564,180 816,5
6 7	Value of land and buildings	63,702 13.88	35,740	24,266 11.86	19,074 20.53	28,773 42.85	86,200	65,443 18,63	20,495 77.77	36,089 41.12
8 9	Proportion of irrigated farms reporting valuepercent 1950 Proportion of land in irrigated farms for which	58	93	140	85	92	86	104	81	89
	value was reportedpercent 1950 Land in irrigated farms according to use, 1949:	46	85	80	96	26	97	93	86	96
10 11	Cropland harvested	59 22,673	249 28,012	5 3,079	104 15,525	84 16,665	7 7,999	103 42,677	108 9,558	652 110,918
12 13	Cropland used only for pastureacres. Cropland not harvested and not pasturedacres.	10,393 15,388	8,446 4,498	1,866	1,774	6, 342 3, 646	490 3,016	3,371	762	21,55B 42,025
14 15	Woodland pasturedacres. Other pasture (not cropland and not woodland)acres.	1, 543 295, 394	15,097	12,688	1,490 63,075	49,027 72,859	55 64, 207	37,761	8,049 3,202	17,956
16 17	Land pastured, total	59 307,330	332 784,640	12,688	93 66,339	70	64,752	102 334,725	97 12,013	656 390,402
18 19	Irrigated land in farms	4,927 4,202	25,541 14,205	885	12,808 10,044	17,244	599 100	10,956 12,163	3,354 3,114	76,933
20 21	Land irrigated by sprinklersfarms reporting 1949 acres 1949	3	270	1 16				2 41	32 784	12,004 5 322
22	Irrigated land in farms according to use, 1949: Trrigated cropland harvested	53	248	4	104	80	6	102	99	619
23 24	acres Irrigated pasturefarms reporting.	4,041	21,962 106	829 2	10,810 41	15, 171 24	375	10,190 13	2,552	59,575 424
25 26	acres Irrigated wild grass pasture	640 4	2,943	56 1	742 15	2,018 15	188 1	766 7	759 21	16,927 112
27 28	acres Irrigated tame grass pasture	82 5	1,457 72	40 1	399 30	1,025 14	63 2	465 7	268 28	3,709 339
$\frac{29}{30}$	Irrigated cropland not harvested and	558	1,486	16	343	993	125	301	491	13,218
31	not pasturedfarms reporting	4 246	41 636		40 1,256	1 55	2 36	••••	4 43	20 431
	Irrigated farms by acres irrigated in 1949:				10					
32 33	1-9 acres	6	20 20	1	10	19 6	••••••	9	48 20	66 40 55
34 35	30-49 acresfarms reporting.,	8	11	1	3	10	2	6 24 20	5 16	55 78 174
36 37 38	50-99 acresfarms reporting. 100-199 acresfarms reporting. 200 acres.and overfarms reporting.	19 11 5	101 49 29	2 1	17 62 9	14 9 24	3 1 1	20 21 16	19 3 2	188
.10 39	Irrigated farms by tenure of operator, 1950: Full owners	12	149	1	64	52		37	74	349
40 41	Part owners	35	69 5	4	29	23 1	4 1	50 6	30	151
42	Tenants	11	31		15	11	2	10	ŝ	182
43	Land in wholly and in partly irrigated farms: Wholly irrigated farmsnumber 1950	9	200		67	63		11	31	210
44 45	All landacres 1950 Cropland harvestedacres 1949	17,313	498,875 16,121		21,054	57,232 10,897	····	62,355 2,237	1,800 474	69,640 20,570
46 47	Irrigated landacres 1949 Partly irrigated farms	598	19,006	· · · · · · · · · · · · · · · · · · ·	8,282 41	11,956 24		2,461 92	758 82	25,758 481
48 49	All landacres 1950.,	332,372	337,240	17,891	67,577 37	153, 205 21	76,160	341,682 92	26,140	494, 540
50 51	Cropland harvested, totalfarms reporting 1949 acres 1949 Irrigated landacres 1949.	22,075 4,329	11,891 6,535	3,079 885	8,665 4,526	5,768 5,288	7,999 599	40,440 8,495	9,084 2,596	90,348 51,175
52 53	Irrigated cropland harvested	44 3,443	48 5,841	829	3,950 3,950	4,274	375 375	91 7,953	2,078	409 39,005
54	Characteristics of wholly irrigated and nonirrigated farms: Wholly irrigated farms	9	200		67	63		11	31	210
55	Average acreage per farm: All land	1.923.7	2,494.4		314,2	908.4		5,668.6	58.1	331.6
56 57	Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	66.4		•••••	102.4			203.4	15,3	98.0
58	trees, and vineyards		( <sup>1</sup> ) 0,1		$\binom{1}{1}$	0.1			0.3 1.6	( <sup>1</sup> ) 0.1
59 60	Small grains (including sorghums)acres 1949 All hayacres 1949	21.9 37.6	23.5 34.3		43.3 24.7	13.0		34.1 168.5	2.4 7.5	50.4 42.6
61	Farms by tenure of operator: Full owners and managersnumber 1950	3	131		48	36		б	20	127
62 63	Part ownersnumber 1950	3	46 23		10 9	18 9		2	6 5	34 49
64	Value of land and buildings per farm	19,091	30,416		17,326	34,834		30,318	29,000	21,511
65	Nonirrigated farmsnumber 1950 Average acreage per farm: All landacres 1949	1,083	252	583	650	29	407	1,100 1,484.8	1,305 230.6	438 855,1
66 67	Cropland harvested	1,725.1 420.9	6,256.7 130.0	1,345.2 441.6	2,025,1 316,1	249.9 13.4	2,313.3 412.8	273.3	51.7	145,0
68 69	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards	$\binom{1}{1}$	( <sup>1</sup> )	( <sup>1</sup> )	$\binom{1}{(1)}$		$\binom{1}{\binom{1}{1}}$	$\begin{pmatrix} 1\\ l \end{pmatrix}$	$(1)^{0.1}$	$\binom{1}{l}$
70 71	Vegetables harvested for saleacres 1949 Small grains (including sorghums)acres 1949 All hayacres 1949	407.1 16.5	71.9 55.6	407.5 29.1	242.0 46.0	6.1 9.3	320.0 69.3	218.B 54.0	32.9 17.4	119.5 26,4
72	Farms by tenure of operator: Full owners and managers	294	93	142	221	-24	86	452	1,009	243
73 74	Part owners	602 187	138 21	311 130	336	1	255 66	454 194	199	96 99
75	Value of land and buildings per farmValue of land and buildings per farm	44, 472	52,615	24,466	20,604	5,750	24,682	30,162	14,775	23,728
	lrrigated farms and irrigated land by origin of water, 1949: Individually operated supply works and—									
76 77	No other irrigation enterprise	55 4, 552	57 8,814	2 576	5 148	59 16,078	7 599	70 7,364	64 1,690	105 9,111
78 79	l other irrigation enterprisefarma reporting acres irrigated	1 100	3 899	· · · · · · · · · · · ·	•••••			2 260	1 285	18 2,009 3
80 81	2 or more other irrigation enterprisesfarms reporting acres irrigated	•••••	••••			••••••	 	· · · · · · · · · · ·	•••••	3,875
82	No individually operated supply works but— l other irrigation enterprise	4	191	3	102	27		30 3,082	44 1,171	494 46,325
83 84	acres irrigated 2 or more other irrigation enterprises	275	15,163 3 665	309	12,560 1 100	1		3,082 1 250	1,1/1 4 208	46,525 71 15,613
85	11 		003	• • • • • • • • •	100	107		2.50		
	See footnote at end of County Table 1.									

# County 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]

			T		T	r		· · · ·	<u></u>	Lewis	· · · · · · · · · · · · · · · · · · ·
	Item (For definitions and explanations, see text)	Garfield	Glacier	Golden Valley	Granite	Hill	Jeffer- son	Judith Basin	Lake	and Clark	Liberty
1	Irrigated farmsnumber 1950	29	53	45		49	180	50	1,136	247	8
3	1945 Proportion of all farmspercent 1950	16 7.6	77 11.7	38 20.0		29 5.1	179 64.1	10	1,050	240 55.5	2.2
45	Land in irrigated farmsacres 1950 average per farm, acres 1950.	161,582 5,571.8	132,635	4,385.8	1,880.3	117,816	304,039	217,585	254,209	777,224	65,315 8,164,4
67	Value of land and buildingsaverage per farm, dollars 1950 average per acre, dollars 1950	42,504	56,231	32,263		31,390 16.70	18,493 12.69	67,939	15,117 60.06	37,243	167,500 9,57
89	Proportion of irrigated farms reporting value,	90	64	140	79	114	91	140	87	111	25
	value was reportedpercent 1950	105	81	70	67	89	78	110	98	95	54
10	Land in irrigated farms according to use, 1949: Cropland harvested.:farms reporting.	29	53	44	151	40	174	50	1.000		
11 12	acres. Cropland used only for pastureacres.	3,076 2,324	20,113	5,989	30,404	9,886	26,682	21,617	1,095	241 47,861	2,423
13	Cropland not harvested and not pasturedacres	3, 918	1,744 5,762	973 1,495	5,724 1,724	2,660 8,985	3,131 2,012	1,391 5,689	33,842 13,622	38,276	736
14 15	Woodland pasturedacres Other pasture (not cropland and not woodland)acres	310 151,335	4,325 98,679	913 187,375	41,020	5,804 88,585	19,238 248,780	1,039 186,292	24,857	117,109	61,765
16 17	Land pastured, totalfarms reporting acres	29 153,969	37 104,748	43 189,261	151 245,009	46	174	50 188,722	988 159,238	231 688, 184	61,765
18 19	Irrigated land in farm3acres 1949 1944	1,079 446	14,795 4,206	3,623 2,540	30,006 30,915	3,452 2,520		8,317 486	80,576 71,357	30,103 26,291	1,665
20 21	Land irrigated by sprinklers					1 35	10,009 3 120	1 13	) 91	5	
22	Irrigated land in farms according to use, 1949: Irrigated cropland harvestedfarms reporting.	26	46	44	151	49		]	2,486	284	
23 24	Irrigated pasture	961	9,375	3,370	27,314	2,396	165 19,388	39 5,904	1,055	236 27,944	1, 57 5
25	acres	2 90	14 4,791	12 225	52 2,573	999 999	58 4,209	20 2,413	28,704	39 1,975	2 90
26 27	Irrigated wild grass pastureacresacres	1 30	7 3,794	8 100	35 1,737	5 949	38 3,049	10 1,728	270 8,149	24 904	2 90
28 29	Irrigated tame grass pastureacres	1 60	7 997	7 125	22 836	3 50	25 1,110	12 685	597 19,555	20 1,071	
30	Irrigated cropland not harvested and not pasturedfarms reporting.	2	6	2	7	2	-,6		70	8	
31	acres,,	28	629	28	119	57	120		1,112	184	
32	<pre>Irrigated farms by acres irrigated in 1949: 1-9 acres</pre>	6	2	7	4	4	21	2	201	28	
33 34	10-19 acres	3	2 1	2 6	4	10 6	17 14	4	92 67	19 28	
35 36	30-49 acres	4	3 11	5	11 25	8 11	27 33	7	150 332	36 57	
37 38	100-199 acresfarms reporting. 200 acres and overfarms reporting.	1	11 11 23	12	44	7	36 32	9	236	40	4
39	Irrigated farms by tenure of operator, 1950: Full owners,				1	-		11	59	39	1
40	Part ownersnumber	17	4 42	13 29	80 57	9 24	105 53	8 36	701 329	132 78	5
41 42	Managersnumber Tenantsnumber	1 1	7		17	4 12	3 19	3	102	9 28	1
42	Land in wholly and in partly irrigated farms: Wholly irrigated farms	_									
43 44	All land	8 53,567	25 34,335	16 71,059	98 165,972	11 13,428	99 170,643	2 35,012	694 113,016	102 271,564	4 22,661
45 46	Cropland harvestedacres 1949 Irrigated landacres 1949.	401 401	5,540 6,349	1,507 1,620	16,516 18,334	483 549	13,144 15,724	2,100 3,100	32,331 50,570	14,629 15,706	1,355 1,415
47	Partly irrigated farmsnumber 1950.	21	28	29	56	38	81	48	442	145	4
48 49	All land,acres 1950 Cropland harvested, total	108,015 21	98,300 28	126,303 28	53	104,388 38	133,396 75	182, 573 48	141,193 401	505,660 139	42,654 4
50 51	acres 1949 Irrigated landacres 1949	2,675 678	14,573 8,446	4,482 2,003	13,888	9,403 2,903	13,53B 7,993	19,517 5,217	37,166 30,006	33,232 14,397	1,068
52 53	Irrigated cropland harvestedfarms reporting 1949 acres 1949	18 560	21 3,835	28 1,863	53 10,798	38 1,913	66 6,244	37 3,804	361 18,429	134 13,315	4 220
54	Characteristics of wholly irrigated and nonirrigated farms: Wholly irrigated farms	. 8	25	16	98	11	99	2	694	102	4
55	Average acreage per farm: All landacres 1949	6,695.9	1,373,4	4, 441, 2	1.693.6	1,220.7		17.506.0	162.8	2.662.4	5,665,2
56 57	Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	50.1	221.6	94.2		43.9		1,050,0	46.6	143.4	338.8
58	trees, and vineyardsacres 1949 Vegetables harvested for sale				(1)		0.2	• • • • • • • • •	$\binom{0.7}{(1)}$	0.1	
59 60	Small grains (including sorghums)Small grains (including sorghums)		193.5	0.1	15.1	1.9 13.8	0.5 19.4	•••••	15.7	0.3 38.0	
	All hayacres 1949 Farms by tenure of operator:	49.4	30,4	83.9	153.0	25.6	108.2	1,050.0	28.3	101,4	338.6
61 62	Full owners and managers	4	20	77	57 30	1 5	68 19	2	474	67 23	1 3
63 64	Tenantsnumber 1950 Value of land and buildings per farm	32,373	3 50,376	29,888	23,605	5 29, 333	12 16,639	289,328	63 13,426	12 33,471	95,000
65	Nonirrigated farms.:	353	399	180	36	910	101	440	476	198	354
66	Average acreage per farm: All landacres 1949.	5,209.1	2,224.1	2,743.7	512.1	1,673.2	798.8	1,460.9	381.1	1,282.8	2,347.2
67 68	Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	128.4	260.1	167.6	35.6	399,2	81,3	337.4	45,1	86.9	634.5
69	trees, and vineyards			$\begin{pmatrix} 1 \\ 1 \end{pmatrix}$	( <sup>1</sup> )	$\binom{1}{1}$	$\begin{pmatrix} 1\\ 1 \end{pmatrix}$	( <sup>1</sup> )	0,5 ( <sup>1</sup> )	$\begin{pmatrix} 1\\1 \end{pmatrix}$	*******
70	Smell grains (including sorghums)	71.3	190.1 69.1	126.8 42.1	17.2	391.3 11.8	47.5 34,0	264.0 74.2	25.0 18.7	43.7 43.1	620.9 13.6
72	Farms by tenure of operator: Full owners and managers	154	105	65	23	213	61	173	318	121	102
73 74	Part ownersnumber 1950 Tenantsnumber 1950.	173 26	239 55	94 21	67	530 167	29 11	204 63	120 38	45 32	214 38
75	Value of land and buildings per farm	23,245	24,992	27,641	15,688	24, 465	7,942	42, 572	11,857	33,658	67,377
	Irrigated farms and irrigated land by origin of water, 1949; Individually operated supply works and—	ł	{							i	
76 77	No other irrigation enterprisefarms reporting	29 1,079	6 710	13	79 12,799	31 2,369	63 6,148	38 7,311	100 3,477	147 19,681	8 1,665
78 79	l other irrigation enterprisefarms reporting. acres irrigated			1,118 6 710	12,799	2,309 1 140	14 4,073	70 1	53 6,091	19,081	
80 81	2 or more other irrigation enterprises	]		)	4		7		2		
82	No individually operated supply works but l other irrigation enterprise			07	1,401		4,785		166	•••••	
83 84	acres irrigated.,		47 14,085	25	29 4,537	17 943	74 5,756	11 936	953 67,751	85 6,098	
85	2 or more other irrigation enterprises Acres irrigated			100	26 6,230		22 2,955	•••••••	28 3,091	3 488	
	See footnote at end of County Table 1.	ļ	<u> </u>							I	L

See footnote at end of County Table 1.

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# County 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]

	L1530 data for items shown in italics are bas. Item	T	1		r====		Mis-	Mussel-	T	Petro-	Phil-
	(For definitions and explanations, see text)	Lincoln	McCone	Madison	Meagher	Mineral	Mis- soula	shell	Park	leum	Phil- lips
1 2	Irrigated farms	87 85		542 508	127 133	25	417 539	56 25	431 440	69 56	287 304
3 4 5	Proportion of all farmsPercent 1950 Land in irrigated farmsaverage per farm, acres 1950 average per farm, acres 1950	22.0 42,418	102,235	86.0 1,016,441	75.6 806,705	26.6 12,543	70.2 224,831	18.1 332,835	76.4 668,185	42.1 354,436	35.7 604,993
67	average per farm, acres 1950 Value of land and buildings average per farm, dollars 1950 average per acre, dollars 1950	487.6 15,972 21.63		1,875.4 38,757 22,48	6,352.0 52,825 7.97	501.7	539.2 27,061	35,576	1,550.3	5,136.8	2,108.0 35,070
8 9	Proportion of irrigated farms reporting valuepercent 1950 Proportion of land in irrigated farms for which value was reported	124	10.20 57 72	22.40 102 94	1.91 93 97	34.11 120	68.25 95	7.67	21.83 97	7.66	16.76 100
10	Land in irrigated farms according to use, 1949: Cropland harvested	87	28	530	125	102 23	70 381	91 56	78 419	116 69	99 272
11 12 13	acres. Cropland used only for pastureacres.	4,754 5,085	15,362 1,545	95,155 73,766	40,663 32,046	1,304 210	28,895 17,839	8,314 54,098	70,944 17,896	13,503 9,054	49,039 11,909
14 15	Cropland not harvested and not pastured	962 17,481 9,976	9,694 148	14,183 137,521	1,639 40,923	469 7,631	9,001 93,500	2,599 109,593	28,069 64,652	4,474	24,431 3,135
16   17	Land pastured, total	32,542	74,135 26 75,828	669,355 515 880,642	679,647 126 752,616	1,055 25 8,896	50,833 341 162,172	154,507 54 318,199	460,303 414 542,851	325,377 69 334,631	511,985 267 527,029
18 19 20	Irrigated land in farmsacres 1949 1944	3,455 4,945	2,320 402	93,176 78,081	36,284 39,122	984 365	24,900 24,959	5,713 2,366	55,460 56,669	9,029	31,618 44,728
21	Land irrigated by sprinklers	1 30	13 1,513	1 200	••••••	4 288	25 1,599	·····	•••••	1 120	3 100
22 23	Irrigated cropland harvestedacresacres	85 3,006	24 2,131	528 77, 542	118 34,315	22 631	368 20,763	53 4,052	407 44,761	67 7,470	262 27,387
24 25 26	Irrigated pasturefarms reporting	20 391	5 159	189 14,946	16 1,961	13 314	182 3,716	15 1,513	206 9,588	15 1,429	103 3,683
27 28	Irrigated wild grass pasture	14 249 7	109	116 10,624 85	11 1,144	6 59 9	71 1,681	8 1,170	70 2,936	10 626	2,159
29 30	Irrigated cropland not harvested and	142	50 <sup>1</sup>	4, 322	817 817	255	129 2,035	8 343	155 6,652	5 803	60 1,524
31	not pasturedfarms reporting	5 56	1 30	29 688	1 8	3 39	61 421	2 148	22 1,111	7 130	38 548
32 33	(rrigated farms by acres irrigated in 1949: 1-9 acres	24	3	18	6	5	133	8	46	4	27
34 35	10-19 acres,	15 10 12	7 4 4	26 27 50	6 6 7	3 2 6	53 30 52	5 6 9	25 20 39	5 3 14	17 17 35
36 37	50-99 acres	20 3	6 3	119 161	31 20	8	72 48	12 9	93 129	18	85 85 61
38	200 acres and overfarms reporting. Irrigated farms by tenure of operator, 1950: Full owners	3	1	141	52	•••••	29	7	79	17 19	45
40 41 42	Part ownersnumber Managersnumber.	66 13 1 7	8 18 1	280 165 8	56 55 2	17 8 	300 77 2	21 32	255 105 4	19 38 3	127 131 2
	Tenantsnumber Land in wholly and in partly irrigated farms:		1	89	14	•••••	38	3	67	-	27
43 44 45	Wholly irrigated farms	41 15,552		369 696,935	64 493, 833	13 6,258	230 77,756	8 53, 417	223 321,420	20 86,427	144 159,015
46	Cropland harvestedacres 1949 Irrigated landacres 1949	$1,541 \\ 1,724$		57,789 69,957	24,367 25,170	400 607	9,955 11,734	504 763	23,454 30,478	3,968 4,556	13,181 15,394
47 48 49	Partly irrigated farmsnumber 1950 All landacres 1950	46 26,866	28 102,235		63 312,872		187 147,075	48 279, 418	208 346,765	49 268,009	143 445,978
50 51	Cropland harvested, totalfarms reporting 1949 acres 1949 Irrigated landacres 1949.	46 3,213 1,731	28 15,362 2,320	$     \begin{array}{c}       161 \\       37, 366 \\       23, 219     \end{array} $	61 16,296 11,114	10 904 377	151 18,940 13,166	48 7,810 4,950	196 47,490 24,982	49 9,535 4,473	128 35,858 16,224
52 53	Irrigated cropland harvestedfarms reporting 1949 acres 1949	44 1,467	24 2,131	159 19,753	54 9,948	9 231	138 10,808	45 3, 548	184 21,307	47 3,502	11B 14,205
54	Characteristics of wholly irrigated and nonirrigated farms: Wholly irrigated farms	41		369	64	13	230	8	223	20	144
55 56	All land	379.3 37.6		1,888.7	7,716.1	481.4 30.8	338.1 43.3	6,677.1 63.0 '	1,441.3 105.2	4,321.4 198.4	1,104.3 91.5
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyardsacres 1949	.0.1		2.1			0.4		.0.1	$\binom{l}{l}$	
58 59 50	Vegetables harvested for sale Small grains (including sorghums) All here 1949	( <sup>1</sup> ) 7,5		( <sup>1</sup> ) 28.7	32,8	( <sup>1</sup> ) 4,8	0.2	8.8	$\binom{1}{22.1}$	31.2	14.7
51	All hay,meres 1949., Farms by tenure of operator: Full owners and managers	29.9 31		125.6 210	349.4	29.3 10	28,2 176	47.9 3	81, 2 144	162.4 10	60,5 79
62 63	Part ownersnumber 1950 Tenantsnumber 1950	4 6		106 53	23 7	3	35 19	3 2	53 26	9 1	. 49 16
64 65	Value of land and buildings per farm	14,916 309	647	38,640 88	66,795 41	8,667	34,128 177	75,429 253	24,715 133	46,024 91	14, 517 516
66	Average acreage per farm: All landacres 1949.	208.9	1,997.4	1,003.8	669.6	259,9	346.9			2,001.7	2,282.0
67 68	Cropland harvestedacres 1949. Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards	22,1	332.6	71.2 ( <sup>1</sup> )	59.1	30,8	36.4	127.9	124,2	111.2 ( <sup>1</sup> )	165.1 ( <sup>1</sup> )
69 70	Vegetables harvested for saleacres 1949. Small grains (including sorghums)acres 1949.	(1) 2.6	(1) 270.5		35.7	0.2  15.0	$\binom{1}{\binom{1}{21.1}}$		$\binom{1}{\binom{1}{\binom{1}{67.2}}}$	55.2	(1) 131.9
71	All hayacres 1949 Farms by tenure of operator:	19.4	46.7	33.3	22, 9	16.0	18.7	35.3	51.2	50.4	32, 3
72 73 74	Full owners and managersnumber 1950 Part ownersnumber 1950 Teoret	261 35	258 302	51 18	30 6	47 11	130 30 17	98 138	72 37 24	43 38 10	234 233 49
75	Tenantsnumber 1950 Value of land and buildings per farmdollars 1950	13 11,488	87 21, 334	19 22;718	10,603	8,575	8,426	17 20,806	23, 577	20,808	<b>17</b> ,742
76	<pre>Irrigated farms and irrigated land by origin of water, 1949: Individually operated supply works and- No other irrigation enterprise</pre>	45	28	194	123	15	137	38	224	43	41
77	to other irrigation enterprisearms reporting. arres irrigated. 1 other irrigation enterprise	1,523 2	2,320	33,900 47	33,159 1	984 984	11,959 26	3, 587	30,003 39	4,876	4,575 12
79 80	acres irrigated.   2 or more other irrigation enterprises farms reporting.	223 1		12,588 17	1,980		3,556		6,909 8	160 	1,378
81 82	acres irrigated No individually operated supply works but— l other irrigation enterprisefarms reporting	94 33		5,630 237					1,728		231
83 84	acres irrigated., 2 or more other irrigation enterprisesfarms reporting	1,055 6		31,865 47	1,145		9,078 7	2,116 1	11,559 25	3,693 1	24,141 3
85	acres irrigated.	560		9,193			307	10	5,261	300	1,524

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# County 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]

	L1950 data for items shown in italics are base	u on repo	res for of	iy a sau		ma. 366		_			· · · · ·
	Item (For definitions and explanations, see text)	Pondera	Powder River	Powell	Prairie	Ravall'i	Rich- land	Roose- velt	Rosebud	Sanders	Shecidan
1 2 3 4 5 6 7	Irrigated farms	311 308 45.2 369,521 1,188.2 53,099 42.65	47 23 10.0 267,141 5,683.9 78,864 13.89	198 204 82,8 699,083 3,530,7 51,107 12,47	40 9 15,6 176,931 4,423.3 31,961 7,06	1,317 1,192 93.4 367,145 272.8 15,561 61.81	375 346 35.5 161,279 430.1 21,032 42.67	20 4 2.8 34,930 1,746.5 26,174 17.48	173 184 31.8 853,808 4,935.3 43,560 7.02	241 227 33.8 191,413 794.2 14,556 21,79	2 0.2 2,880 1,440,0 36,960 19,25
8 9	Proportion of irrigated farms reporting valuepercent 1950 Proportion of land in irrigated farms for which value was reportedpercent 1950	75	106 106	73 85	55 56	94 84	92 105	165 152	71 89	69 58	250 333
10 11 12 13 14 15 16 17 18 19 20 21	Land In Irrigated farms according to use, 1949:       farms reporting.         Cropland harvested	308 106, 321 4, 646 90, 866 1, 990 150, 456 266 157, 092 44, 724 42, 580 3 178	47 12,447 1,603 6,408 2,120 235,850 47 239,573 5,410 2,697 1 30	195 57,053 17,758 7,425 158,537 442,842 192 619,137 57,681 59,211 1 5	38 6,518 1,523 2,009 149 163,229 32 164,901 5,891 1,285 	1,253 69,278 21,821 7,328 68,678 184,216 1,237 274,715 94,986 83,984 20 951	372 47,869 1,940 11,117 6,732 86,502 287 95,174 33,995 30,984 4 226	20 7,834 120 6,286 554 19,417 19 20,091 2,338 38	172 24,897 4,914 5,948 23,928 790,213 155 819,055 20,556 16,290 7 198	231 13,860 6,590 2,076 55,182 103,874 225 165,646 14,021 11,773 2 55	2 574  2,116 2,116 2,116 115 75 
22 23 24 25 26 27 28 29	Irrigated land in farms according to use, 1949: Irrigated cropland harvested	293 38,852 121 3,477 41 1,921 95 1,756	46 4,384 10 658 7 463 5 195	193 51,338 46 6,206 27 4,104 26 2,102	38 4,358 11 1,007 4 852 7 155	1,228 61,368 967 32,716 677 21,971 388 10,745	369 32,314 111 1,119 23 242 91 877	20 1,722 1 203 1 203	170 17,950 38 1,487 20 540 24 747	221 9,522 151 4,369 57 1,706 112 2,663	2 115
30 31	Irrigated cropland not harvested and not pasturedfarms reporting acres	48 2,395	3 368	5 137	11 526	95 902	41 562	7 413	22 1,119	16 130	,,
32 33 34 35 36 37 38	Irrigated farms by acres irrigated in 1949:         19 acres.       farms reporting.         20-29 acres.       farms reporting.         30-49 acres.       farms reporting.         50-99 acres.       farms reporting.         100-199 acres.       farms reporting.         200 acres and over.       farms reporting.         200 acres how the use of operator, 1950:       farms reporting.	12 12 13 22 69 108 75	2 4 3 5 13 10 10	4 8 19 29 53 81	2 6 28 4	198 157 139 197 330 207 89	31 21 13 30 141 115 24	1 6 1 2 6 4	5 6 7 21 49 56 29	25 23 22 61 70 34 6	1
39 40 41 42	Full owners	78 164 5 64	12 34 1	81 92 6 19	15 14 1 10	957 218 3 139	168 92 115	3 17 	56 65 2 50	133 89 1 18	1 1 
43 44 45 45	Land in wholly and in partly irrigated farms: Wholly irrigated farms	49 43,181 7,315 8,257	7 29,378 573 940	128 474,484 38,230 41,807	22 7,361 2,729 3,292	1,074 259,984 54,460 82,857	233 46,253 21,260 22,542	2 2,404 307 540	100 323,021 11,400 13,575	140 104,361 6,550 9,419	
47 48 49 50 51 52 53	Partly irrigated farmsnumber 1950. All landcres 1950. Cropland harvested, totalfarms reporting 1949. acres 1949. Irrigated landacres 1949. Irrigated cropland harvestedfarms reporting 1949. acres 1949.	262 326,340 259 99,006 36,467 244 31,537	40 237,763 40 11,874 4,470 39 3,811	70 224,599 67 18,823 15,874 65 13,108	18 169,570 16 3,789 2,599 16 1,629	243 107,161 179 14,818 12,129 154 6,908	142 115,026 139 26,609 11,453 136 11,054	18 32,526 18 7,527 1,798 18 1,415	73 530,787 72 13,497 6,981 70 6,550	101 87,052 91 7,310 4,602 81 2,972	2 2,880 2 574 115 2 115
54	Characteristics of wholly irrigated and nonirrigated farms: Wholly irrigated farms	49 881.2	7	128	22 334.6	1,074 242,1	233	2	100	140 745.4	
55 56 57	Cropland harvested. Cropland harvested. Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyardsacres 1949.	149.3	81.9	298.7	124.0	50.1 1.1	91.2	1,202.0 153.5	3,230,2 114.0 ( <sup>1</sup> )	46.8	
58 59 60	Vegetables harvested for saleacres 1949 Small grains (including sorghums)acres 1949 All hayacres 1949 Farns by tenure of operator:	( <sup>1</sup> ) 115, 4 32, 8	15.0 77.9	39.0 252.7	0.1 44.0 27.3	0.5 12.1 32.6	(1) 35,3 25,2	52.5 93.5	0.4 40.8 33.8	( <sup>1</sup> ) 11.2 35.4	
61 62 63 64 65	Full owners and managers	21 16 12 31,138 377	1 6 19,197 425	57 58 13 55, 383 41	12 4 6 13,400 217	794 169 111 15,469 93	114 43 76 15,094 682	1 1 39,170 794	37 27 36 24,246 377	86 44 10 14,838 471	
66 67 68	Average acreage per farm: All landacres 1949 Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted mut	1,185.8 369.5	3,125.9 155.0	2,089.8 33.5	2,233.3 277.8	231.9 19.6	1,550.2 328.2	1,251.3 396.0	5,840.6 128.6	441.1 43.0	1,047.5 339.9
69 70 71	trees, and vineyards	( <sup>1</sup> ) ( <sup>1</sup> ) 355.5 13.9	(1) (1) 56.9 92.8	( <sup>1</sup> ) 7.1 32.0	( <sup>1</sup> ) 202.5 50.2	( <sup>1</sup> ) ( <sup>1</sup> ) 17.6 8.0	( <sup>1</sup> ) 239.8 56,1	( <sup>1</sup> )  346.4 33.7	(1) (1) 67.1 56.7	0.1 ( <sup>1</sup> ) 18.6 24.6	(1) (1) 308.5 30.7
72 73 74 75	Farms by tenure of operator: Full owners and managers	122 177 78 47,598	176 203 46 24,063	23 11 7 19,866	83 104 30 25,615	67 9 17 5,361	261 328 93 18,758	261 432 101- 23,217	135 195 47 36,219	306 118 47 8,921	330 470 179 21,365
76 77 78 79	Irrigated farms and irrigated land by origin of water, 1949: Individually operated supply works and- No other irrigation enterpriseacres irrigated., ? other irrigation enterpriseacres irrigated acres irrigated	19 2,925 1 85	45 5,300 1 60	138 41,245 11 6,281	2 1,000	149 13,214 101 11,580	7 429 6 940	9 649 1 76	61 6,579 19 2,474	81 4,341 10 525	2 115
80 81	2 or more other irrigation enterprisesfarms reporting acres irrigated	85 	60 	h,281		11,580 30 7,688	940	76 	2,414	525 1 8	
82 83 84 85	No individually operated supply works but l other irrigation enterpriseacres irrigated 2 or more other irrigation enterprisesfarms reporting	286 40,120 5	1 50	39 6,403 10	38 4,891	889 48,161 148	361 32,303 1	10 1,613	93 11, 503	147 8,880 2 267	
	acres irrigated	1,594		3,752		14,343	323			207	L

See footnote at end of County Table 1.

#### County 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)	Silver Bow	Still- water	Sweet Grass	Teton	Toole	Treasure	Valley	Wheat- land	Wibaux	Yellow- stone
1	lrrigated farmsnumber 1950	74	314	263	519	20	97	282	83	2	1,134
2	1945 Proportion of all farms	40 45.1	341 48.5	268 68, 5	539 51.8	9 4.6	114 59.5	199 24.2	84 43.2	0.7	1,272 76,9
4 5 6	Land in irrigated farms	117,536 1,588.3 22,554	347,285	602,939 2,292.5	639,764	5,611.4	187,903	1,452.7	7,446.5	1,240 620.0	596, 592 526, 1 19, 107
7	Average per harm, dollars 1930 average per acre, dollars 1950 Proportion of irrighted farms reporting value	18.32	32,641 30.68 93	32,649 17.64 96	27,481 14.20 104	99,952 15,33 75	31,737 15.80 79	22,284 16.76 83	77,917 11,22 78		44.70
9	Proportion of land in irrigated farms for which value was reportedpercent 1950	62	89	77	163	87	82	76	73		70
10	Land in irrigated farms according to use, 1949: Cropland harvested	70	291	254	516	20	70	274	83		1,028
11 12	Cropland used only for pastureacres	7,741 6,557	33,937	35,308	112,896	9,344 291	14,581	57,532	28,702 3,729	497	93,619
13 14	Cropland not harvested and not pasturedacres Woodland pasturedacres	185 11,387	9,472 9,671	4,864 30,373	49,291 10,638	7,520 200	4,199 3,336	39,706 6,653	3,509 8,732	235	38,981 27,414
15 16	Other pasture (not cropland and not woodland)farms reporting	43,041 69	270,697 305	502,932 262	445,165 457	94,116 20	160,482 93	258,623 249	569,319 82	484	400,379 1,003
17 18 19	acres Irrigated land in farmsacres 1949 1944	100,985 6,821 3,332	28,305	557,735	461,939 97,409 80,136	94,607	166,057 11,405 13,735	303,552 35,036 20,055	581,780 24,944 22,793	484 11	445,997 88,409
20 21	Land irrigated by sprinklers farms reporting 1949 acres 1949		33,076	39,443	1 10	630 1 80	15,755	473	22,195		94,797
	Irrigated land in farms according to use, 1949: Irrigated cropland harvestedfarms reporting	72	282	. 247	498	19	96	263	81	1	1,011
22 23 24	acres Irrigated pasturefarms reporting	6,621	21,672 184	26,048 141	68,998 237	1,325	10,132 41	30,231 78	22,133 15		71,338 794
25 26 27	acres Irrigated wild grass pasturearms reporting acres	200 3 95	6,484 57 1,633	11,803	24,774 102 22,274	360 4 350	1,013 6 96	2,943 50 1,691	2,811		14,022 145 2,623
28 29	Irrigated tame grass pasturefarms reporting acres	5	1,055	7,763	159	1 10	38 917	38	2, 394 6 417		696 11,399
30	Irrigated cropland not harvested and not pasturedfarms reporting		11	7	120		9	43		1	194
31	acres Irrigated farms by acres irrigated in 1949:		1 49	484	3,637		260	1,862		1	3,049
32 33	1-9 acres	9 11	24 21	11	3	2	2	19 29	35	1	210 72
34 35	20-29 acresfarms reporting 30-49 acresfarms reporting.	77	24 38	11 29	12 23	4	3	21 30	4 10		55 120
36 37	50-99 acresfarms reporting. 100-199 acresfarms reporting.	15 15	96	68 71	161 194	· 3	38 28	74 61	11 9	· · · · · · · · · · · ·	325 282
38 39	200 acres and over	10 53	29 169	63 126	112 260	3	15 40	48 123	41 20		68 609
40 41	Part owners	16	84	94	210	12	40	123	51 1		255
42	Tenantsnumber	3	59	41	45	4	17	30	11	•••••	265
43 44	Land in wholly and in partly irrigated farms: Wholly irrigated farmsarres 1950 All landarres 1950.	43 82,418	151 124, 856	128 220,753	329 299,674	2 9,140	49 84, 178	113 81,883	43 361,363		799 236,602
45 46	Cropland harvestedacres 1949 Irrigated landacres 1949	4,462	12,843	14,821 22,602	45,952	350	5,670	12,483 14,199	16,024		55,603 68,333
17 48	Partly irrigated farmsacres 1950	31 35,118	163 222, 429	135 382, 186	190 340,090	18 103,087	48 103,725	169 324,878	40 256,697	2 1,240	335 359,990
49 50	Cropland harvested, total farms reporting 1949	29 3,279	140	126	187	18 8,994	48	161 45,049	40 12,678	497	229 38,016
51 52	Irrigated landacres 1949 Irrigated cropland harvestedfarms reporting 1949	2,319 29	12,584 131	15,733 119	30,976 169	1,335 17	4,760 47	20,837 150	7,889 38	11	20,076 212
53 54	acres 1949 Characteristics of wholly irrigated and nonirrigated farms: Wholly irrigated farms	2,159 43	8,829 151	11,227 128	23,046 329	975 2	4, 462 49	17,748	6,109 43	10	15,735 799
55	All land	1,916,7	826.9	1.724.6	910.9	4,570.0	1,717.9	724.6	8,403,8		296.1
56 57	Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	103.8	85.1	115.9	139.7	175.0	115.7	110.5	372.7		69,6
58	trees, and vineyards	( <sup>1</sup> ) 0.3	0.1 0.1	$(1)^{0.1}$	$\begin{pmatrix} 1 \\ (^1) \\ (^1) \end{pmatrix}$		0.1	( <sup>1</sup> ) 0,1	(1)		( <sup>1</sup> ) 0.8
59 60	Smalt grains (including sorghums)acres 1949 All hayacres 1949 For the second	3.8 99.8	26.6 50.4	21.0 94.7	91.6 44.0	39.0 175.0	38,3 44,7	43.6	67.3 307.4		24.8 20.3
61 62	Farms by tenure of operator: Full owners and managers	31 9	78 36	60 47	187 110	2	23 12	51 45	10 27	· • · · • • • •	432 157
63 64	Tenantsnumber 1950 Value of land and buildings per farmdollars 1950	3 22,081	37 33,705	21 25,200	32 20,997	116,200	14 32,107	17 11,028	6 105,877	· · · · · · · · · · ·	210 18,841
65	Nonirrigated farmsnumber 1950 Average acceage per farm:	90	333	121	482	418	66	885	109	302	341
65 67	All landacres 1949 Cropland harvestedacres 1949.	281,8 23,3	1,663.2 230.4	2,084.2 140.9	1,219.3 357.6	2,320,9 431,0	4,476.1 184.4	1,290.1 299.0	2,124.5 142.2	1,588.7 320.2	2,887.8 234.9
68	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards	(1)	( <sup>1</sup> )	$\binom{1}{(1)}$	( <sup>1</sup> )	$\binom{1}{1}$	(1)	$\begin{pmatrix} 1 \\ (1) \\ (1) \end{pmatrix}$		0.1	$\binom{1}{\binom{1}{1}}$
69 70 71	Vegetables harvested for sale	0.7	195.6 38.0	78.0	340.0 20.3	393.4 11.9	74.8 98.4	272.9 29,2	80.0 62.6	225.5 65.2	209,7
72	Farms by tenure of operator: Full owners and managersnumber 1950		131	60	182	107	23	370	49	110	130
73 74	Part ownersnumber 1950 Tenantsnumber 1950.	74 8 8	145 57	41 20	225 75	258 53	33 10	403 112	48 12	139 53	166 45
75	Yalue of land and buildings per farm	8,135	23,303	29,460	44,285	46,903	29,153	23,300	19,306	23,503	29,302
76	Individually operated supply works and— No other irrigation enterprise	70	43	82	42	20	20	68	54	2	43
77 78	acres irrigated 1 other irrigation enterprise	6,303 1	2,898 7	9,758	27,763	1,685	2,277	5,433 15	17,224	11	2,363
79 80	acres irrigated 2 or more other irrigation enterprisesfarms reporting acres irrigated	190 	974 2 306	5,953	2,242 2 1,570	•••••••••	945 	3,992	1,670		2,855 3 1,734
81 ) 82	No individually operated supply works but— l other irrigation enterprisefarms reporting.	3	193		466			198	23		1,006
83 84	2 or more other irrigation enterprises	328 	15,466 69	17,582 20	65,099 3		7,981 2	23,411	4,925		73,880
85	acres irrigated		8,661	5,042	735		202	2,200	1,125	•••••	7,577

<sup>1</sup>Less than 0.05. 235115 () - 53 - 33

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## 9-16

## 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	Beaverhead	Big Horn	Blaine	Broadwater	Carbon	Carter	Cascade
	ALL ENTERPRISES								
Far	ns and land irrigated:								
ιĮ	All irrigation enterprises	5,393	350	78	121	110	241	20	61
2	1940	5,555	345	36	63	130	253	8	Ú.
1	Intercounty enterprises	46	6	2 432	2 367	220	5 787	20	
- 1	Irrigated farms <sup>1</sup>	13,457 2.5	338	432	36/	220	3,3	1.0	33: 5.0
	Average.per enterprisefarms 1950 Farms irrigated direct per enterprise <sup>2</sup> farms 1950	2.5	1.4	7.7	3.5	2.6	4.0	1.0	5.
	Irrigated land <sup>1</sup> ,acres 1949.	1,808,576	252,563	55,739	47,897	40,118	86,166	3,133	33,27
	acres 1939.	1,711,409	209,548	56,380	48,917	27,617	84,179	127	31,51
	Average per irrigated farm	134.4	747.2	129.0	130.5	182.4	109.5	156.6	۹9.
	Average per enterprise	335	722	715	396	365	358	157	49
Тур	Average acreage irrigated direct per enterprise <sup>2</sup> acres 1949 e of enterprise, 1950:	349	753	737	397	390	365	157	49
L L	Single-farm,enterprises	4,159	265	68	108	72	149	20	
	acres irrigated	725, 543	211,391	7,818	7,385	15,043	16,510	3,133	5,9
1	Mutual:	994	78	1	5	34	52		
	acres irrigated	323,918	39,584	(3)	855	14,028	19,478		(3)
	Incorporatedenterprises	158	7	7	2	3	37		
	acres irrigated	339,246	12,418	20,256	(3)	б, 345	51,376		(3)
	Commercialenterprises	3							
1	acres irrigated	528				•••••		••••	
	Districtenterprises	39			5		2	· · · · · · · · · · · ·	
	acres irrigated	236,790		· · · · · · · · · · · · · · · ·	30,773		(3)		(3)
	II. S. Bureau of Reclamation <sup>4</sup>	3	••••	••••					• • • • • • •
	acres irrigatèd U. S. Bureau of Indian Affairs <sup>4</sup>	38,568 7		1	··· <i>·</i> ·····	· · · · · · · · · · · · · · · ·			• • • • • • •
	acres irrigated.	158,106		29,407	1 8,500	····		•••••	
	Stateenterprises.,	135,100		27,407	8,500	1	1		}
	acres irrigated	51,752		(3)		(3)	•		
	Cityenterprises	1							
	acres irrigated.,	(3)			•••••				<i>.</i>
Use	of surface, ground, pumped and stored water, 1949:								
	Surface water:	4,429	347	59	43	107	215	20	
	Gravity only	1,529,943	262,223	56,878	18,422	42,746	85,990	3,133	29.4
	Pumped only	719	1	13	74	3	20		
	scres irrigated	104, 582	300	508	20,851	193	1,416		3,1
	Gravity and pumped	133	1	3	4	· · · · · · · · · · · · · · · ·	3		
1	acres irrigated	231,634	360	56	8,780		166		2
	Ground water only (pumped from wells)enterprises reporting	55		2					
	acres irrigated	1,082		14	<i>.</i>	•••••		•••••	
	Surface (gravity or pumped) and ground waterenterprises reporting	57	1	1			3		
	acres irrigated	7,660	510	60			313		3
	Stored water: None storedenterprises reporting	4,800	316	72	97	106	196	1 11	
1	acres irrigated	1,293,513	248,711	27,964	7,337	41,039	62,610	1,720	9,7
	Part storedPart stored	362	30	1	10	41,005	43	2	1
	acres irrigated	372,668	14,535	29,407	19,277	1,900	25,095	191	8,8
	All storedenterprises reporting	231	4	5	14		2	7	
i	acres irrigated	208,720	147	145	21,439		180	1,222	14,6
50	rces of surface water, 1949: <sup>5</sup>	5,091		. 75	114	10/		10	
	Streams (and lakes)acres irrigated	5,091	346 262,937	57,342	48,007	104 40,253	234 87, 346	19 3,093	32,8
	scres irrigated Springsenterprises reporting	1,030,449	262,937	37,342	48,007	40,253	87,346	3,095	5,20
	acres irrigated	49,143	15,173	330		4, 647	3,356	40	
	Flowing wells	46		2	1		2	1	
	acres irrigated	4,956		412	100		265		
	Drainage water	131	1	3	б	2	2		
	acres irrigated	40,861	510	330	92	915	580		1
	Sewageenterprises reporting.,	8			•••••		•••••	• • • • • • • • • •	
1	acres irrigated Other sources	1,797		•••••				• • • • • • • • •	
	Uther sourcesenterprises reporting acres irrigated			••••••					
Dra	inage of irrigated land; <sup>6</sup>								
1	Irrigated land drained:	1				1	· ·	1	1
	Enterprises reporting	377	31	5	15	4	18		
	Area supplied primary irrigationacres 1949	582,395	38,647	25,647	34,477	2,482	13,880		27,
	Area artificially drainedacres 1949	189,497	2,710	10,810	5,956	486	1,954		3,
1	acres 1939	146, 322	]	21,800	965	•••••	160	]	12,
	The second se	1	11	1	1		1	1	1
1	Irrigated land in need of drainage:				ţ.				
2	Enterprises reporting	714	58	6	19	11	30 -		
2		714 730,648 182,614	58 62,058 5,459	6 46,439 16,388	19 40,211 20,046	11 2,25R 417	30 - 27,221 2,416		20,

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]

Chouteau	Custer	Daniels	Dawson	Deer Loilge	Fallon	Fergus	Flathead	Gallatin	Garfield	Glacier	Golden Valley	Granite	Hil <b>l</b>	Jefferson	Judith Basin
59	64	3	C	74	6	83	84	225	25	8	23	133	36	124	42
77	62	3	27	81	7	116	135	301	19	5	23	110	48	123	39
1	1	e	2	3		1	2	2		2	1		1	2	
60 1.0	254 4.0	5 1.7	108	87 1, 2	7	103	113	691 3.1	29	53 6.6	45	154	49	180	50
1.0	4.0	1.7	13.6	1.2	1.0	1.3	1.5	3.8	1.0	6.5	2.4	1.6	1.4	2.1	1.2
7,527	26,239	1,026	12,806	20,123	519	11,050	4,119	82,919	1,008	14,794	3,674	31,879	3,722	25,951	5,722
5,085	14,851	487	1,705	18,371	90	14,435	7,376	104,705	313	7,822	3,459	24,004	6, 592	22,869	7,984
125.4 123	103.3 410	205.2 342	118.6	231.3	74.1	107.3	36.5 49	120.0 369	34.8 40	279.1	81.6 160	207.0 240	76.0 103	144,2 209	114.4 136
128	410	342	1,601	284	86	135	53	406	40	1,849	168	240	103	209	136
57 7,252	б1 9,074	2 ( <sup>3</sup> )	5 148	63 17, 145	6 519	70 7,098	70 2,059	130 14,587	25 1,008	6 710	18 1, 548	101 16,314	32 1,607	87 12,249	38 4,621
2		1		10		11	12	78			4	30	1	31	3
(3)	2	(3)		3,151		3,684	1,403	37,123 17			1,914	9,389	( <sup>3</sup> )	10,454	374
· · · · · · · · · · · · · ·	(3)		(3)	( <sup>3</sup> )		( <sup>3</sup> )		39,718				(3)	(3)	3,787	
															•••••
• • • • • • • • •	•••••••					•••••					••••		•••••		••••
• • • • • • • • •	( <sup>3</sup> )		( <sup>3</sup> )	• • • • • • • • • • •	•••••		(3)	•••••	•••••			••••			
				•••••						1			1		•••••
					•••••		1		·····	- 1		•••••	1		····
	. <i></i>	<i>.</i>		•••••	•••••					14,084	••••••	••••••	780		
•••••	•••••	•••••	•••••	•••••	•••••	( <sup>3</sup> )		····		•••••	( <sup>3</sup> )	( <sup>3</sup> )	· · · · · · · · · · · ·		( <sup>3</sup> )
••••••		••••											•••••		•••••
27	37	2	4	71	5	73	34	216	18	7	20	128	11	115	40
5,038 30	14,421 19	1,010 1	128 3	19,680	459 1	9,850 10	3,371 41	85,203 3	763 6	14,794	3,715 2	33,000 1	2,122 20	24,291 3	5,59B 1
2,249	10,929	16	11,855		60	1,370	1,003	225	189		55	4	1,410	459	44
1	6	••••	1	2	· · · · · · · · · · ·	· · · · · · · · · · ·	2	2	1	1	1		5	2	1
40	908 1		823	1,288			8	4,685	56		B4		190	1,614	80
			1				6					3			
		•••••				· · · · · · · · · · · · · · · ·	6 10					3 46		4	
1	1	•••••	1		·····		6 10 1	4	· · · · · · · · · · · · · · · · · · ·		·····	3 46 1	•••••	4	
1 200	1	•••••		·····	······	·····	10				·····	46	·····	4 126	· · · · · · · · · · · · · · · · · · ·
200 50	1 1 22 52	3		1 68 69		73	10 1 70 76	4 1,315 217	n			46 1 128 122		4 126 	34
200 50 6,365	1 1 22 52 24,711	3 1,026		1 68 67 15,405		73 10,187	10 1 70 3,049	4 1,315 217 87,746	11 415	6 710	 13 1,333	46 1 128 122 24, 144	 17 905	4 126  105 22,136	34 4,445
200 50 6,365 5	1 1 22 52 24,711 6	3		1 68 69 15,405 4	1	73 10,187 6	10 1 70 3,049 7	4 1,315 217 87,746 6	11 415 2	6 710 1	 13 1,333 3	46 1 128 122 24,144 8	17 905 5	4 126  105 22,136 16	34
200 50 6,365	1 1 22 52 24,711	3 1,026	6 12,701	1 68 67 15,405		73 10,187	10 1 70 3,049	4 1,315 217 87,746	11 415	6 710	 13 1,333	46 1 128 122 24, 144	 17 905	4 126  105 22,136	34 4,445 3 394 5
200 50 6,365 5 895	1 1 22 52 24,711 6. 1,048	3 1,026	6 12,701	1 68 69 15,405 4 4,718	1 30	73 10,187 6 765	10 1 70 3,049 7 1,383	4 1,315 217 87,746 6 3,527	11 415 2 176	6 710 1 14,084	13 1,333 3 1,796	46 1 128 24, 144 8 8, 459	17 905 5 1,841	4 126  105 22,136 16 4,202	34 4,445 3 394 5 883
200 50 6,365 895 4 267 57	1 22 24,711 6 1,048 6 522 63	3 1,026  3	6 12,701 2 105 6	1 68 69 15,405 4 4,718 1 913 65	1 30 5 489 6	73 10,187 6 765 4 268 78	10 1 70 3,049 7 1,363 1 30 70	4 1,315 217 87,746 6 3,527 2 155 220	11 415 2 176 12 417 21	6 710 1 14,084 1 7	13 1,333 3 1,796 7 725 22	46 1 128 24,144 8 8,459 3 575 126	17 905 5 1,841 14 976 34	4 126  22,136 16 4,202 3 152 109	34 4,445 3 394 5 883 38
200 50 6,365 895 4 267 57 7,517	1 1 22 24,711 6 1,048 6 522 63 26,280	3 1,026   3 1,026	6 12,701 2 105 6 12,783	1 68 67 15,405 4 4,718 1 913 65 20,692	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855	10 1 76 3,049 7 1,383 1 30 70 4,359	4 1,315 217 87,746 6 3,527 2 155 220 91,238	11 415 2 176 12 417	6 710 1 14,084 1	13 1,333 3 1,796 7 725 22 3,834	46 1 128 24,144 8 8,459 3 575 126 33,084	17 905 5 1,841 14 976	4 126 	34 4,445 3 394 5 883
200 50 6,365 895 4 267 57	1 22 24,711 6 1,048 6 522 63	3 1,026  3	6 12,701 2 105 6	1 68 69 15,405 4 4,718 1 913 65	1 30 5 489 6	73 10,187 6 765 4 268 78	10 1 70 3,049 7 1,363 1 30 70	4 1,315 217 87,746 6 3,527 2 155 220	11 415 2 176 12 417 21 975	6 710 1 14,084 1 7 14,784	13 1,333 3 1,796 7 725 22	46 1 128 24,144 8 8,459 3 575 126	17 905 5 1,841 14 976 34 3,702	4 126  22,136 16 4,202 3 152 109	34 4,445 3 394 5 883 38 5,646
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 69 15,405 4 4,718 1 913 65 20,692 11 747 1	1 30 5 489 6 519	73 10,187 6 765 4 268 10,855 4 222 1	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1	11 415 2 176 12 417 21 975 2	6 710 1 14,084 1 7 14,784 1	13 1,333 3 1,796 7 725 22 3,834 1	46 1 128 24,144 8,459 3 575 126 33,084 5	17 905 5 1,841 14 976 34 3,702 2	4 126  22,136 16 4,202 3 152 109 25,316 18	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80	1 30 5 489 6 519	73 10,187 6 765 4 268 10,855 4 222 1 40	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 540 1 120	11 415 2 1766 12 417 21 975 2 176	6 710 1 14,084 1 7 14,784 1 10	13 1,333 3 1,796 7 7 22 3,834 1 20	46 1 128 24,144 8 8,459 3 575 126 33,084 5 1,289	17 905 5 1,841 14 976 34 3,702 2 34	4 126  22,136 16 4,202 3 152 109 25,316 18 2,213 1 	34 4,445 3 394 5 883 38 5,646 5
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 69 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2	11 415 2 176 12 417 21 975 2 176 5		13 1,333 3 1,796 7 7 7 25 22 3,834 1 20 2	46 1 128 24,144 8,459 3 575 126 33,084 5 1,289 9	17 905 5 1,841 14 976 34 3,702 2 34 	4 126  22,136 16 4,262 3 152 109 25,316 18 2,213 1  1	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80	1 30 5 489 6 519	73 10,187 6 765 4 268 10,855 4 222 1 40	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 540 1 120	11 415 2 1766 12 417 21 975 2 176	6 710 1 14,084 1 7 14,784 1 10	13 1,333 3 1,796 7 7 22 3,834 1 20	46 1 128 24,144 8 8,459 3 575 126 33,084 5 1,289	17 905 5 1,841 14 976 34 3,702 2 34	4 126  22,136 16 4,202 3 152 109 25,316 18 2,213 1 	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2	11 415 2 176 12 417 21 975 2 176 5		13 1,333 3 1,796 7 7 7 25 22 3,834 1 20 2	46 1 128 24,144 8,459 3 575 126 33,084 5 1,289 9 1,865	17 905 5 1,841 14 976 34 3,702 2 34 6 226	4 126  22,136 16 4,262 3 152 109 25,316 18 2,213 1  1	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2	11 415 2 176 12 417 21 975 2 176 5		13 1,333 3 1,796 7 7 7 25 22 3,834 1 20 2	46 1 128 24,144 8,459 3 575 126 33,084 5 1,289 9 1,865	17 905 5 1,841 14 976 34 3,702 2 34 6 226	4 126  22,136 16 4,262 3 152 109 25,316 18 2,213 1  1	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2	11 415 2 176 12 417 21 975 2 176 5		13 1,333 3 1,796 7 7 7 25 22 3,834 1 20 2	46 1 128 24,144 8,459 3 575 126 33,084 5 1,289 9 1,865	17 905 5 1,841 14 976 34 3,702 2 34 6 226	4 126  22,136 16 4,262 3 152 109 25,316 18 2,213 1  1	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 895 4 267 57 7,517 3	1 1 22 24,711 6 1,048 6 522 63 26,280 1	3 1,026   3 1,026	6 12,701 2 105 6 12,783 2	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2	11 415 2 176 12 417 21 975 2 176 5		13 1,333 3 1,796 7 7 7 25 22 3,834 1 20 2	46 1 128 24,144 8,459 3 575 126 33,084 5 1,289 9 1,865	17 905 5 1,841 14 976 34 3,702 2 34 6 226	4 126 	34 4,445 3 394 5 883 38 5,646 5 690 1
200 50 6,365 5 895 4 267 57 7,517 3 2,510 	1 1 22 52 24,711 6 1,048 6 522 63 26,280 1 40   5 6,832	3 1,026	6 12,701 2 105 6 12,783 2 23 	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,363 1 30 70 4,359 10 347 1 8   6 381	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2 1,608  9 19,397	11 415 2 176 12 417 21 975 2 176 5 99 2 176 5 99 2 176 2 99	6 710 1 14,084 1 7 14,784 	13 1,333 3 1,796 7 7 22 3,834 1 20  2 168  2 1,376	46 1 128 122 24,144 8,459 3 575 126 33,084 5 1,289 	17 905 5 1,841 14 976 34 3,702 2 34 	4 126 	34 4,445 3 394 5 883 38 5,646 5 690 1 6
200 50 6,365 5 895 4 267 7,517 3 2,510 	1 1 22 52 24,711 6 1,048 6 522 63 26,280 1 40 	3 1,026	6 12,701 2 105 6 12,783 2 23 	1 68 69 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5 803	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8    6 381 339	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 0 2 1,608  9 19,307 1,576	11 415 2 176 12 417 21 975 2 176 5 99 2 176 5 99 2 176 2 99 2 176 2 99 2 176 12 417	6 710 1 14,084 1 	13 1,333 3 1,796 7 7 22 3,834 1 20  2 168  2 1,376 90	46 1 128 122 24, 144 8 8, 459 3 575 126 33, 084 5 1, 289 	17 905 5 1,841 14 976 34 3,702 2 34  6 226  1 241 2	4 126 	34 4,445 3394 5 883 38 5,646 5 690 1 6
200 50 6,365 5 895 4 267 57 7,517 3 2,510 	1 1 22 52 24,711 6 1,048 6 522 63 26,280 1 40   5 6,832	3 1,026	6 12,701 2 105 6 12,783 2 23 	1 68 69 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150 	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5	10 1 76 3,049 7 1,363 1 30 70 4,359 10 347 1 8   6 381	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2 1,608  9 19,397	11 415 2 176 12 417 21 975 2 176 5 99 2 176 5 99 2 176 2 99	6 710 1 14,084 1 7 14,784 	13 1,333 3 1,796 7 7 22 3,834 1 20  2 168  2 1,376	46 1 128 122 24,144 8,459 3 575 126 33,084 5 1,289 	17 905 5 1,841 14 976 34 3,702 2 34 	4 126 	34 4,445 3 394 5 883 38 5,646 5 690 1 6
200 50 6,365 5 895 4 267 7,517 3 2,510 	1 1 22 52 24,711 6 1,048 6 522 63 26,280 1 40 	3 1,026	6 12,701 2 105 6 12,783 2 23 	1 68 69 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150  995 6	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5 803	10 1 76 3,049 7 1,363 1 30 70 4,359 10 347 1 8   6 381 339 60 5	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2 1,608 	11 415 2 176 12 417 21 975 2 176 5 99 2 176 5 99 2 176 2 99 2 176 2 99 2 176 12 417	6 710 1 14,084 1 7 14,784 	13 1,333 3 1,796 7 7 22 3,834 1 20  2 1,376 90  1	46 1 128 122 24,144 8 8,459 3 575 126 33,084 5 1,289 	17 905 5 1,841 14 976 34 3,702 2 34 	4 126 	34 4,445 3 394 5 883 38 5,646 5 690 1 6 
200 50 6,365 5 895 4 267 7,517 3 2,510 	1 1 22 52 24,711 6 1,048 5 522 63 26,280 1 40  5 6,832 5,765 500	3 1,026	6 12,701 2 105 6 12,783 2 23 	1 68 67 15,405 4 4,718 1 913 65 20,692 11 747 1 80 1 2,150 	1 30 5 489 6 519	73 10,187 6 765 4 268 78 10,855 4 222 1 40 5 803	10 1 76 3,049 7 1,383 1 30 70 4,359 10 347 1 8   6 381 339 60	4 1,315 217 87,746 6 3,527 2 155 220 91,238 10 540 1 120 2 1,608   9 19,307 1,576 185	11 415 2 176 12 417 21 975 2 176 5 99 2 176 5 99 2 176 2 92 92 92	6 710 1 14,084 1 7 14,784 	13 1,333 3 1,796 7 725 22 3,834 1 20  2 168  2 1,376  2 1,376 	46 1 128 122 24, 144 8 8, 459 3 575 126 33, 084 5 1,289 	17 905 5 1,841 14 976 34 3,702 2 34 	4 126 	34 4,445 3 394 5 883 38 5,646 5 690 1 6

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

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[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)	Lake	Lewis and Clark	Liberty	Lincoln	McCone	Vadison	Veagher	Vineral
	ALL ENTERPRISES								
	Farms and land irrigated:								
1	All irrigation enterprises	212	197	10	60	27	396	130	26
2	1940	158	304	5	153	38	365	122	46
3	Intercounty enterprises	1	1				5	4	
4	Irrigated farms <sup>1</sup> farms 1950	1,136	247	8	87	28	542	127	25
5	Average per enterprise	5.4	1,3	0.8	1.4	1.0	1.4	1.0	1.0
6	Farms irrigated direct per enterprise <sup>2</sup>	7.4	1.3 33,154	0.8	1.9 3,857	1,0 2,170	2,0 100,752	1.0 36,054	1.0
7 8	Irrigated land <sup>1</sup> acres 1949 acres 1939	71,193	37,268	355	6,408	2,170	80,007	40,056	1.241
9	Average per irrigated farmacres 1949	76.1	134.2	208.1	44.3	77.5	185.0	283.9	30.4
0	Average per enterpriseacres 1949	408	168	166	64	80	254	277	38
1	Average acreage irrigated direct per enterprise <sup>2</sup> acres 1949 Type of enterprise, 1950:	422	172	165	75	80	269	277	- 38
2	Single-farmenterprises	170	164	10	4 <u>9</u>	27	264	126	26
3	acres irrigated	6,303	22,963	1,665	1,817	2,170	42,971	35, 1º4	965
	Mutual:								
4	Unincorporatedenterprises	38	29	····	8	····	124	• • • • • • • • • • • •	• • • • • • • • • •
5	acres irrigated.	4, 538	7,324		612	•••••	47,912		• • • • • • • • • • •
6 7	Incorporatedenterprises acres irrigated.	3 656	(3)		(3)	·····	4 8,256	· · · · · · · · · · · · · · · · · · ·	••••
в	acres irrigated Commercialenterprises.	ean			1		0,23n	1	
9	acres irrigated.				(3)			(3)	
0	Districtenterprises		1		1				
1	scres irrigated		(3)		(3)				
2	U. S. Bureau of Reclamation <sup>4</sup> enterprises								
3	acres irrigated								
4	U. S. Bureau of Indian Affairs <sup>4</sup>	1							
5	acres irrigated	78,000				· · · · · · · · · · · · · ·			
6	Stateenterprises		2			·····	4	. 3	
7	acres irrigated		(3)				7,205	450	
8	Cityenterprises			•••••		• • • • • • • • • • • •	· · · · · · · · · · · · · ·		
9	peres irrigated Use of surface, ground, pumped and stored water, 1949: Surface water:					····		· · · · · · · · · · · · · · ·	•••••
10	Gravity only	137	159	9	58	9	388	129	22
11	acres irrigated.	8,422	28,208	1,545	4,397	406	105,166	35.643	860
12	Pumped onlyenterprises reporting.	65	20,200	1,040	4,391	400	103, 100	33,045	3
3	acres irrigated	2,129	2,986		87	1,737	105		65
4	Gravity and pumped	3	2	1		1	4		1
5	acres irrigated	78,152	772	120		27	873		60
6	Ground water only pumped from wells)enterprises reporting	5	9				1		
17	acres irrigated	9	250		1		000		1
98	Surface (gravity or pumped) and ground waterenterprises reporting					· · · · · · · · · · · · · · ·	200		
		2	22					1	
39	acres irrigated	2 785	22 1,674						
	acres irrigated Stored water:	785	1,674					1 411	
10	acres irrigated Stored water: None storedenterprises reporting	785	1,674 186	9	53			1 411 111	20
0	acres irrigated Stored water: None stored	785 197 10, 198	1,674 186 32,367	9 1,545	53 2,243	 13 429		1 411 111 31,014	20
10 12	acres irrigated Stored water: None storedacres irrigated Part stored	785 197 10, 198 9	1,674 186 32,367 7	9 1,545 1	53 2,243 4	13 429 2	358 87,655 30	1 411 111 31,014 17	20
0	acres irrigated Stored water: None storedacres irrigated Part stored Part stored	785 197 10, 198 9 78, 979	1,674 186 32,367 7 1,178	9 1,545	53 2,243 4 2,072	13 429 2 1,250	358 87,655 30 11,145	1 411 111 31,014	
0 1 2 3	acres irrigated Stored water: None stored	785 197 10, 198 9	1,674 186 32,367 7	9 1,545 1	53 2,243 4 2,072 3	13 429 2 1,250 12		1 411 111 31,014 17	20
.0 .1 .2 .3	acres irrigated Stored water: None storedacres irrigated Part stored All storedacres irrigated All storedacres irrigated All storedacres irrigated Sources of surface water, 1949; <sup>5</sup>	785 197 10, 198 9 78, 979 6 320	1,674 186 32,367 7 1,178 4 345	9 1,545 1 120	53 2,243 4 2,072	13 429 2 1,250	358 87,655 30 11,145	1 411 31,014 17 5,040 2	20 98: 
0 1 2 3 4 5	acres irrigated Stored water: None storedacres irrigated Part storedacres irrigated All storedacres irrigated All storedacres irrigated Sources of surface water, 1949: <sup>5</sup> Streams (and lakes)enterprises reporting.	785 197 10, 198 9 78, 979 6 320 174	1,674 186 32,367 7 1,178 4 345 185	9 1,545 1 120 9	53 2,243 4 2,072 3 169	13 429 2 1,250 12 491 27	358 87,655 30 11,165 8 7,524 384	1 411 31,014 17 5,040 2  126	24 98: 
0 1 2 3 4 5 6 7	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526	1,674 186 32,367 7 1,178 4 345 185 33,588	9 1,545 1 120  9 1,665	53 2,243 4 2,072 3 169 . 57 4,371	13 429 2 1,250 12 491	358 87,655 30 11,165 8 7,524 384 105,883	1 411 31,014 17 5,040 2  126 34,594	2/ 98 
0 1 2 3 4 5 6 7 8	acres irrigated Stored water: None stored	785 197 10,198 9 78,979 6 320 174 88,526 40	1,674 186 32,367 7 1,178 4 345 185 33,588 9	9 1,545 1 120 	53 2,243 4 2,072 3 169 57 4,371 8	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25	1 411 31,014 17 5,040 2  126 34,594 11	22 98 
0 1 2 3 4 5 6 7 8 9	acres irrigated Stored water: None storedacres irrigated Part storedacres irrigated. Part storedacres irrigated. All storedacres irrigated. Sources of surface water, 1949; <sup>5</sup> Streams (and lakes)acres irrigated. Springsenterprises reporting. acres irrigated. acres irrigated. Springs	785 197 10, 198 9 78, 979 6 320 174 88, 526 6 40 606	1,674 186 32,367 7 1,178 4 345 33,588 9 1,086	9 1,545 1 120 	53 2,243 4 2,072 3 169 57 4,371 8 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883	1 411 31,014 17 5,040 2  126 34,594 34,594 11 1,887	2/ 98 
0 1 2 3 4 5 6 7 8 9 0	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086	9 1,545 1 120 9 1,665 1 120 2	53 2,243 4 2,072 3 169 . 57 4,371 0 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600	1 411 31,014 17 5,040 2  126 34,594 11 1,887 	22 98 
0 1 2 3 4 5 6 7 8 9 0 1	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 13	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135	9 1,545 1 120 	53 2,243 4 2,072 3 169 57 4,371 0 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25	1 411 31,014 17 5,040 2  126 34,594 34,594 11 1,887	2: 98  2 93
0 1 2 3 4 5 6 7 8 9 0	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1	9 1,545 1 120 9 1,665 1 120 2 2 120 	53 2,243 4 2,072 3 169 57 4,371 0 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887 	22 98 
0 1 2 3 4 5 6 7 8 9 0 1 2 3	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 13	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135	9 1,545 1 120 9 1,665 1 120 2	53 2,243 4 2,072 3 169 57 4,371 0 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 845	1 411 31,014 17 5,040 2  126 34,594 11 1,887 	2: 98  2 93
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 135	9 1,545 1 120 9 1,665 1 120 2 120	53 2,243 4 2,072 3 169 57 4,371 0 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 	1 411 31,014 17 5,040 2  126 34,594 11 1,887 	2: 98  2 93
012345 6789012345	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307	1,674 186 32,367 7 1,178 4 345 33,588 9 1,086 1 135 1 80 0 1	9 1,545 1 120 	53 2,243 4 2,072 3 169 57 4,371 0 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 845	1 411 111 31,014 17 5,040 2  126 34,594  11 1,887 	2( 98) 
012345 67890123456	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307	1,674 186 32,367 7 1,178 4 345 33,588 9 1,086 1 135 1 80 0 1 218	9 1,545 1 120 9 1,665 1 1 120 2 120 	53 2,243 4 2,072 3 169 57 4,371 8 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 4 845	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887 	2( 98) 
012345 67890123456	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307	1,674 186 32,367 7 1,178 4 345 33,588 9 1,086 1 135 1 80 0 1 218	9 1,545 1 120 9 1,665 1 1 120 2 120 	53 2,243 4 2,072 3 169 57 4,371 8 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 4 845	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887 	2: 98  2 93
012345 678901234567	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307	1,674 186 32,367 7 1,178 4 345 33,588 9 1,086 1 135 1 80 0 1 218	9 1,545 1 120 9 1,665 1 1 120 2 120 	53 2,243 4 2,072 3 169 57 4,371 8 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 4 845	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887 	2( 98) 
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 8 9 8 9 8 9 8 9 8 8 9 8 9 8 9 8 9	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 606 113 449 5 307	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1 80 1 218 	9 1,545 1 120 9 1,665 1 120 2 120 	53 2,243 4 2,072 3 169 57 4,371 8 361	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 4 845	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887 	2 98 2 93 5
D 1 2 3 3 4 5 5 7 3 9 0 1 2 3 4 5 5 7 8 9	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307 	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1 80 1 218 	9 1,545 1 120  9 1,665 1 120 2 120 	53 2,243 4 2,072 3 169 57 4,371 8 361 	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 845 4	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887    2 450	2 98 2 93 5 5
0 1 2 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	acres irrigated Stored water: None storedacres irrigated Part storedacres irrigated All storedacres irrigated All storedacres irrigated All storedacres irrigated Sources of surface water, 1949: <sup>5</sup> Streams (and lakes)acres irrigated Springsacres irrigated Springsacres irrigated Flowing wellsacres irrigated Drainage wateracres irrigated Sewageacres irrigated Sewageacres irrigated Other sourcesacres irrigated Drainage of irrigated land: <sup>6</sup> Irrigated land drained: Enterprises reportingenterprises 1949 Area artificially drainedacres 1949	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307 	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1 80 1 218 	9 1,545 1 120 9 1,665 1 120 2 120 	53 2,243 4 2,072 3 169  4,371 0 361  1 83 20	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 845 4 12	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887   	2 98 2 93 5 5
0 1 2 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	acres irrigated Stored water: None storedacres irrigated. Part storedacres irrigated. All storedacres irrigated. All storedacres irrigated. Sources of surface water, 1949: <sup>5</sup> Streams (and lakes)acres irrigated. Springsacres irrigated. Flowing wellsacres irrigated. Drainage wateracres irrigated. Sewageacres irrigated. Sewage	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307 	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1 80 1 218 	9 1,545 1 120 	53 2,243 4 2,072 3 169 57 4,371 8 361 	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887    2 450	2 98 2 93 5 5
D 1 2 2 3 4 5 5 7 3 9 0 1 2 3 4 5 5 7 8 9 0 1	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307 	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1 80 1 218 	9 1,545 1 120 9 1,665 1 120 2 120 	53 2,243 4 2,072 3 169  4,371 0 361   1 8 361  1 83 20 100	13 429 2 1,250 12 491 27 2,170 	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 845 4 845 4 12 6,760 685 160	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887     2 450 450	2 98 2 93 5 
0 1 2 2 3 4 5 5 7 3 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 7 8 9 0 1 2 3 4 5 7 7 8 9 9 1 2 3 4 5 7 7 8 9 9 1 2 3 4 5 7 7 8 9 9 1 2 3 9 1 2 3 4 5 5 7 7 8 9 9 1 2 3 9 1 2 3 4 5 5 7 7 8 9 1 2 3 9 1 2 3 2 3	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307 	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 1355 1 800 1 218 	9 1,545 1 120 	53 2,243 4 2,072 3 169 . 57 4,371 0 361   1 83 20 100 6	13 429 2 1,250 12 491 27 2,170	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887    2 450 450  3	2 98 2 93 5 
012345 678901234567	acres irrigated Stored water: None stored	785 197 10, 198 9 78, 979 6 320 174 88, 526 40 606 13 449 5 307 	1,674 186 32,367 7 1,178 4 345 185 33,588 9 1,086 1 135 1 80 1 218 	9 1,545 1 120 9 1,665 1 120 2 120 	53 2,243 4 2,072 3 169  4,371 0 361   1 8 361  1 83 20 100	13 429 2 1,250 12 491 27 2,170 	358 87,655 30 11,165 8 7,524 384 105,883 25 1,600 4 845 4 845 4 12 6,760 685 160	1 411 111 31,014 17 5,040 2  126 34,594 11 1,887     2 450 450	2 98

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

#### 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]

4issoula	Mussel- shell	Park	Petroleum	Phillips	Pondera	Powder River	Powell	Prairie	Ravalli	Richland	Roose- velt	Rosebud	Sanders	Silver Bow	Still- water
205	46	339	58	59	28	49	194	4	508	15	12	85	97	75	111
219 1	41	251	28	39	26	25	229	8	455	29	14	60 1	162 1	85	111
417	56	431	69	287	311	47	198	40	1,317	375	20	173	241	74	314
2.0 2.6	1.2	1.3	1.2	4.9	11.1	1.0	1.0	10.0	2.6 3.7	25.0 27.5	1.7	2.0	2.5	1.0	2.8
26,562	6,668	55,132	٩,785	32,372	44,843	5,410	61,315	5,720	104,055	35,161	2,899	20,556	14,775	7, 592	28,483
30,867 63.7	4,400 119.1	51,047 127.9	5,320	36,567	57,245 144.2	1,156 115.1	60,630 309,7	736 143.0	109,752 79.0	30,024 93.8	360 145.0	20,712	11,785	7,873	32,382
130	145	163	141.5	549	1,602	113.1	316	1,430	205	2,344	242	118.8 242	61.3 152	102.6 101	90.7 257
136	145	177	181	551	1,632	110	319	1, 430	223	2,344	248	242	153	101	266
172 13,573	38 3,587	265 34,348	47 5,557	54 5,293	21 3,407	49 5,410	162 47,426	( <sup>3</sup> )	289 25,196	13 684	10 705	80 7,493	91 4,665	72 6,302	52 3,701
24 3,981	7	68 18,359	7 2,925	( <sup>3</sup> )	4 - 545		29 11,443		188 42,595			( <sup>3</sup> )	4 107	3 1, 290	49 13,732
4	1	4	(3)		2		2	3	11					··· <b>····</b>	9
3,192	(3)	2,084	(°)	(3)	( <sup>3</sup> )		(3)	4,920	9,643					•••••	10,973
				••••••											• • • • • • • • • • •
3 5,366									15 24,242	(3)	· · · · · · · · · · ·	3 12,280			• • • • • • • • • • • • •
1				2					,						
200 1				22,206	1				•••••		1	1		• • • • • • • • • •	•••••
1,499				1,500	4,237						18,000		10,000		
••••		( <sup>3</sup> )	( <sup>3</sup> )	• • • • • • • • • •			( <sup>3</sup> )		4		1		( <sup>3</sup> )	· · · · · · · · · · · · · · ·	1
			(-) 						11,282 1	(3)	( <sup>3</sup> )				(3)
•••••									(3)						
158 21,288	17 4,721	323 57,377	32 9,037	24 6,811	23 45, 501	40 3,740	188 60,037	1 800	471 110, 781	6 441	6 1,054	25 13,020	82 4,442	73 7,082	106 28,413
29	23	8	20	24	3	6	2	3	16	8	5	43	7		3
3,283 10	996 4	625 6	890 6	2,792 11	39 2	995 2	1,105 2	4,920	674 12	2,896	121 1	6,278 17	254	1	997
2,598	931	1,769	598	22,896	149	615	431		1,853	31,824	1,800	1, 258	10,030	260	
3 48	1 8	1		•••••	•••••			· · · · · · · · · · · ·	7 27				6 96	•••••	2 105
*a 5	1	1				1	2		21					1	
594	12	320			••••••	60	395		73		•••••			250	
183 24,763	39 4,361	334 58,974	40 6,978	38 4,651	21	37 3, 360	180 53,746	4 5,720	456 82,280	10 34,771	9 691	77 19,706	90 4,655	71 7,499	110 29,495
12	4,361	38,974	5,978	4,051	3,806 3	3, 300 10	12		82,280 39	34,771	2	14,705	4,005	1,495	29,493
2,769	2,084	915	667	6,414	4,273	1,603	7,162		29,735		2, 270	435	10,150	20	20
10 279	1 223	2 202	11 2,880	14 21,434	4 37,610	2 447	2 1,060		13 1,393	5 390	1 14	3 415	2 17	3 73	
198 27,612	44 6,648	332 59,903	58 10,525	56 32,407	27 45,554	49 5,410	191 61,861	4 5,720	461 110,591	14 35,157	12 2,975	83 20,522	80 14, 307	69 7,406	102 29,095
3	1	20	1			1	10	<i>.</i>	21	2			15	8	9
16 2	12	1,837	2	•••••		34 1	3,237 1		1,198	273			946	396	329
645						6	1,600						393		
5 428		- 2 103	•••••	4 145	1 135	1 600	3 882	·····	42 24,976			1 13	· • · · • • • • • •	· · · · · · · · · · ·	1
+20 · · · · · · ·				143			3		24, 470.			13			
•••••	•••••	• • • • • • • • •		•••••	•••••		1,027	•••••	531	•••••	•••••	21	•••••		••••
•••••	•••••			·····				·····	· · · · · · · · · · · · ·				•••••		
б	1	3	1	13			29		64	3	. 6	6	4	4	13
1,305	521	401	1,173	26,057		· · · · · · · · · · ·	13,755		14,119	30, 560	2,078	12,348	500	260	9,370
322 (*)	100 (•)	26	50	1,845 2,001			1,335		2,050	5,429 (*)	2,078 (•)	5,268 3,484	75	192 69	1,751 873
		•••••			•••••										
25 -7,232	1	19	2	3	5	1	72	1	124	3 190	1	11	7	4	22 8,995
·7,232 2,971	730 12	4,811 1,011	477 13	25,706 1,800	34,491 516	250 30	26,264 2,331	989 60	30,594 2,853	33,189 760	1,724 19	13,453 8,323	324 58	345 60	1,518
	(*)	(•)		2,120	1		251		237	I	I	2,245	(•)	1	44

#### County Table 2 (Part 1 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 State total. For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county or State, except where otherwise noted]

Item (For definitions and explanations, see text)	Sweet Grass	Teton	Toole	freasure	Valley	Theatland	Yellow- stone	All other counties
ALL ENTERPRISES								
Farms and land irrigated:	153	58	22	29	00	67	92	2
1940 Intercounty enterprisesenterprises 1950	155 4	104 2	55	14 1	41 3	54	50 6	2 13
Irrigated farms <sup>1</sup>	263 1.7	519 8.9	20	97 3.3	282 3.1	83 1.2	1,134 12.3	4 2.0 1.0
						-		50
acres 1939.	44,883	105,477	8,130	8,331	19,318	24,759	94,727	529
Average per irrigated farmAverage per enterprise	148.1 255	189,4 1,6°5	84.2 77	114.8	130.6 409	325.9 404	84.8 1,046	12.5 25
Average acreage irrigated direct per enterprise <sup>2</sup> acres 1949	268	1,757	77	390	422	404	1,056	25
Type of enterprise, 1950: Single-farmacres irrigated	108 15,210	48 29,425	22 1,685	26 3, 189	85 8,326	56 17,973	62 3,677	( <sup>3</sup> ) 2
Mutual: Unincorporatedacres irrigated	38 16,117	3 375			( <sup>3</sup> ) 1	9 3,540	7 1,989	
Incorporatedenterprises.	7 9,735	5		( <sup>3</sup> ) 2	( <sup>3</sup> ) 2		17 60 263	
Commercialenterprises	•••••						1	
		2		1			(")	
acres irrigated	•••••	(3)	•••••	(3)			30,836	
acres irrigated	•••••				1 16,162	····	· · · · · · · · · · · · · · · · · · ·	
U. S. Bureau of Indian Affairs <sup>4</sup> acres irrigated	·····	•••••	·····	· · · · · · · · · · · · · · · · · · ·	1 8,000	·····	1 299	
Stateenterprises acres irrigated	·····	•••••	• • • • • • • • • • • • • • •		•••••	( <sup>3</sup> ) 2	. <i>.</i>	
Cityenterprises								
Use of surface, ground, pumped and stored water, 1949:								
Gravity only	147	55	16	2 7 991	15	67	41	
Pumped onlyenterprises reporting	3	3	6	26	62		46	2 50
Gravity and pumped Gravity and pumped	2 353			1 120	10		4	
Ground water only (pumped from wells)enterprises reporting., acres irrigated.	1 40				1		1 5	
Surface (gravity or pumped) and ground waterenterprises reporting	· · · · · · · · · · · · · ·				2			
Stored water:								
acres irrigated.	38,370	36,018	000	11,310	12,567	18,021	49,894	
acres irrigated.	349	2,000	140		8,805	3,361	47,140	2
acres irrigated	2,343	63,882	555		16,601	5,666	75	50
Stremms (and lakes)acres irrigated	148 40,852	51 101,234	21 1,635	29 11,310	89 37,966	65 26,963	87 96, 566	1 40
Springsenterprises reporting acres irrigated	6 1,105	8 1,100		····		3 365	1 130	
Flowing wells			1 16		1 125			
Crainage waterarterprises reporting artes irigated	•••••	2 166	2 250		1 55		8 2, 148	1 10
Sewagearces irrigated.								
Other sources		••••						
Drainage of irrigated land: <sup>6</sup>								
Enterprises reporting	3	12		4	9	2	23	
Area artificially drained Area artificially drained	145	9,176		2,871	4,590	1,690 70	37,690	
Irrigated land in need of drainage:		38,115			1,577	•••••	49,627	(*)
Enterprises reporting Enterprises 1949	13	10	1	5		7	13	
	Icent       (For definitions and explanations, see text)         ALL ENTERPRISES         Farms and land irrigated:       enterprises 1950.         Intercounty enterprises       farms 1950.         Parms irrigated farma 1.       farms 1950.         Average per enterprise.       farms 1950.         Parms irrigated direct per enterprise <sup>2</sup> farms 1950.         Average per irrigated farm.       scres 1940.         Average per chterprise.       acres 1949.         Average per chterprise       acres 1949.         Average per chterprise       acres 1949.         Average per chterprise       acres 1949.         Average acresse irrigated farm.       scres 1949.         Average acresse irrigated.       enterprises.         Bustorporated.       scres irrigated.         District.       enterprises.         acres irrigated.       enterprises.         U. S. Bureau of Indian Affairs <sup>4</sup> .       acres irrigated.         City.       enterprises.       acres irrigated.         City.       enterprises.       acres irrigated.         City.       enterprises.       acres irrigated.         Commercial       acres irrigated.       acres irrigated.         City.       enterprises.       acres irrigated	Item (For definition and explanations, see text)         Sweet Greas           ALL ENTERPHISES         153           Farms and land irrigated:         150           Intercounty enterprises.         150           Irrigated farma <sup>1</sup> .	Item         Tem         Smeet         Teton           ALL ENTERPINES           Farms and land irrigated	Tem         Tem         Toole           ALL ENTERPHISES         150.         153         59           Farma and land irrigated:	Item (For definitions and spinmations, see text)         Desci (For definitions and spinmations, see text)         Team         Toole         Transver           ALL CREATINGS         ALL CREATINGS         materprises         100         10	Item         Item         Team         Tople         Treamme         Vality           ALL EXTRPNISES	(Forg definitions and submatchers, see term)         Grass         Hum         Lunk         Construction         Const	Une definitions sectors)         Desc. (See definition sectors)         Teste         Teste         Teste         Teste         Valler         Massland         Massland           ALL EXTENDATES

\*Not available. <sup>1</sup>Farms 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.) <sup>2</sup>Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise. <sup>3</sup>Data for less than 3 enterprises not shown separately. <sup>4</sup>Data for less than 3 enterprises shown with permission of the enterprise. <sup>5</sup>Enterprises reprises reprises are canced for each. <sup>6</sup>For intercounty and interstate enterprises, data represent characteristics within the county or State.

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

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

Item (For definitions and explanations, see text)	The State	Beaverhead	Big Horn	Blaine	Broad- water	Carbon	Carter	Cascade
ALL ENTERPRISES								
rrigation works:	1							70
Diversion dams	4,068 8,139	338 1,150	45 75	43	104 213	116 164	18 52	30 53
1940.,	6,136	922	31	75	195	217	3	5.
Diversion dams by material:	449	29	7	8	20	7		:
Concrete or masonrydams 1950 Timberdams 1950	1,674	159	27	4	37	51		
Earth and rock	5,365 651	897 65	29 12	65 38	143 13	100	52	4
Other, mixed, and not reported	051	00	12	Ì	10			
Reservoirs	443 629	9 13	5	20 32	4	8 10	9 18	
reservoirs 1950:. 1940	517	10	3	25	2	4	5	
Reservoirs for which capacity was reportedreservoirs 1950	577	10	7 97,110	26 21,935	3 120	10 31,864	18 936	1,06
total capacity, acre-feet 1950 1940	1,598,898 1,301,422	136,656 131,441	60,580	17,144	(*)	31,020	850	-,•4
Reservoirs by capacity:			5	15	2	8	17	
1-99 acre-feet	369 124	2		6	ĩ		ĩ	
1,000 acre-feet and overreservoirs 1950	84	8	2	5		2		•••••
Reservoir dams by material:	20				1			
Concrete or masonrydams 1950 Earth and rock	. 551	3	7	27	3	9	18	
Other, mixed, and not reporteddams 1950	58	10		5		1		
Canals and ditches, 1950.	3, 591	276	57	32	94	212	12	23
total length, miles 1950 1940.,	15,499 15,702	1,002 763	473 416	290 326	345 397	714 1,010	80 3	23
Pinelines and sinlons <sup>1</sup> enterprises reporting 1950	219	1	1	2	3	20		
total length, miles 1950	110 148	( <sup>2</sup> )	$\binom{2}{\binom{2}{2}}$	1	( <sup>2</sup> ) 1	5 2		1
1940	140	· ·	.,	-	. ,	-		
Tunnels	20		1 800			•••••		
total length, feet 1950 Flowing wells	17,586 46		2	1		2		
wells 1950	79		7	1		3		
1940	44			1				
Pumped wells	112	1	3			3		
weils 1950 1940	142 102							••••••
Wells for which pumping lift was reportedwells 1949	128	1 50	2 18			.3 15		ć
Average pumping lift	30 24	50	10					
	0(2)	3	19	80	3	25		:
Irrigation pumps 1950 pumps 1950	963 1,304	3	23	117	3	31		1
pumping plants 1940.	651		68	22 28	2	7	1	
Electric motors used for pumpingenterprises reporting 1950 electric motors 1950	356 473	1	8	41	2	ż		
			1					
Other motors and engines used for pumpingenterprises reporting 1950	657	2	13	61	1	18		
other motors and engines 1950.	792	2	16	72	1	24	•••••	
and a second secon								
eason of irrigation, 1949: Water delivered only before July 1enterprises reporting	440	9	12	27 2,334	17 4, 322	3 60	14 2,231	s
acres irrigated Water delivered before and after July 1enterprises reporting	64, 300 4, 582	5,709 334	1,018	81	90	227	5	
acres irrigated	1,780,501	256,812	56,205	45,240	36, 187	87,272 10	852	32,5
Water delivered only after July 1enterprises reporting acres irrigated	219 11,978	272	268	83		552	50	
	,							
Capital Investment: Capital investment in irrigation works and water								
rights to Jan. 1, 1940dollars 1940	67,352,505	992,068	2,891,329	4,396,820	824,671	2,120,840	6,078	2, 597, 3
New capital investment Jan. 1, 1940, to Jan. 1, 1950:	2, 428	144	42	55	60	91	19	
dollars 1950.	13,904,485	271,297	74,870	181,880	41,037	161,744 36,383	112,275	51, 14,0
Area irrigated directacres 1949	995, 247	133,047	17,859	28,561	16,329			
Total capital investment Jan. 1, 1950dollars 1950	81,256,990	1,263,365	2,966,199	4, 578, 700	865,708	2,282,584	118,353	2,648,
		1						
ndebtedness: <sup>3</sup> Outstanding bonds, construction cost, and other								
Evaluated and Line tions land 1950:	97	1	4	7	1	8		0.000
Enterprises reporting	41,498,918	28,500	1,042,978	1,251,836	726,452 4,000	821,412		2,063, 1,896,
Assount	44, 542, 281	125,685	2, 389, 458	2,041,959	4,000		i	l' '
Area irrigated directacres 1949	579,899		34,244	39,273	7,523	8,432		22,
Arrearage in payment of principal or interest on			1					
bonds, construction cost, and other funded					· .	.		
obligations, Jan. 1, 1950: Enterprises reporting	15		1 181,365		1 215,224	236, 123		
Amount	1,381,563 66,006		161,303		7,523			
Area arragated direct	,	11	1	1	1	1	1 <sup>1</sup>	1

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

State Street Str

## 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)	Chouteau	Custer	Daniels	Dawson	Deer Lodge	Fallon	Fergus	Flathe
ALL ENTERPRISES								1
rrigation works:	1			-	1			
Diversion dams	26			4	67 110	4		
dams 1950 1940					109		1	
Diversion dams by material:								
Concrete or masonrydams 1950 Timberdams 1950	1						11	
Earth and rockdams 1950.	57			3	1 17	1	73	
Other, mixed, and not reporteddams 1950.	1			1	8	2	10	
Reservoirs	9	12		2	4	6	11	
reservoirs 1950.	14				14	9	20	
1940 Reservoirs for which capacity was reportedreservoirs 1950			1	19	9	4	17 20	
total capacity, acre-feet 1950	1,267	908		210	2,641	590	2,102	56
1940	1,031	2,587	(•)	1,655	1,691	717	587	7
Reservoirs by capacity: 1-99 acre-feet	10	12		1	3	5	13	
100-999 acre-feet	4	2		1	8	1	7	
1,000 acre-feet and overReservoirs 1950 Reservoir dams by material:								
Concrete or masonry					3		1	
Earth and rockdams 1950	14			2	6	9	18	
Other, mixed, and not reporteddams 1950		3		•••••	5			
Canals and ditches	20		1	3	59	3		1
total length, miles 1950 1940	49		8	100 101	289 214	777		
Pipelines and siphons 1enterprises reporting 1950	135			- 1				
total length, miles 1950 1940	$\binom{2}{2}$	1	•••••	2				1
		4	•••••	2	1		E	
Tunnels								
total length, feet 1950 Flowing wells							••••••	
wells 1950					i		i î	
. 1940		1		•••••		•••••	1	
Pumped wells	1	2			1		1	
wells 1950	1				1			
1940 Wells for which pumping lift was reportedwells 1949	3			. 5	2	•••••	1	
Average pumping liftfeet 1949	23	14			35			
1939	18	•••••		18	(•)			
Irrigation pumps	32	27	1	2	3		iı	
pumps 1950	. 42	46	l i		3	i		
pumping plants 1940 Electric motors used for pumpingenterprises reporting 1950	47	21 6		10	2		13	
electric motors used for pumpingelectric motors 1950	11	17		1	1		2	
Other motors and engines used for	1							
pumpingenterprises reporting 1950	25	21	1	1	2	,	9	
other motors and engines 1950	31	25	1	ī	2	1	l ú	
eason of irrigation, 1949:								
Water delivered only before July 1enterprises reporting	18	23				4	26	
acres irrigated Water delivered before and after July 1enterprises reporting	2,285	4,384 35	;	·····.		270	2,807 52	
acres irrigated	4, 802	21,756	450	12,763	21,011	249	7,865	3
Water delivered only after July 1enterprises reporting acres irrigated	4 240	4 137	2	1	1		3	"
•	240	137	576	20	25	•••••	146	
pital investment: Capital investment in irrigation works and water			1 1					
rights to Jan. 1, 1940	111, 215	1, 134, 899	3,403	1,141,772	177,967	11,810	359,401	149
New capital investment Jan. 1, 1940, to Jan. 1, 1950:				1, 141, 112	117,907	11,010	224,401	149
Enterprises reportingdollars 1950 Amountdollars 1950	25 49,460	43 916,601	2	4	14	3	42	
Area irrigated directacres 1949	5,037	13,663	4,300 466	613,536 11,940	28,675 8,182	22,600 240	71,658 4,889	102
Total capital investment Jan. 1, 1950dollars 1950	160,675							
	100,015	2,051,500	7,703	1,755,308	206,642	34,410	431,059	251
Mebtedness: <sup>3</sup> Outstanding bonds, construction cost, and other								
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:					-			
Enterprises reporting		2		3			1	
Amountdollars 1950 1940	•••••	371, 511		925,900			11,979	12
	••••••	380,968	•••••	152,389	•••••		17,305	25
Area irrigated directacres 1949		8,207		12,658			358	1
Arrearage in payment of principal or interest on bonds, construction cost, and other funded	1			,				· •
obligations, Jan. 1, 1950:	ļ						-	
Enterprises reporting		•••••		1				
Annumb 111 197				70				
Amount				823				

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

#### BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

eral	Meagher Min	Madison	McCone	Lincoln	Liberty	Lewis and Clark	Lake	Judith Basin	Jefferson	Hill	Granite	Golden Valley	Glacier	Garfield	Gallatin
21 35 59	126 397 125	369 573 299	9 21 12	54 68 156	10 28 3	166 307 264	118 170 76	32 76 44	102 170 103	17 37 36	126 287 230	. 15 17 19	6 7 2	14 42 8	202 271 254
2 6 23 4	9 32 343 13	25 124 393 31	21	6 11 40 11	23 5	28 70 192 17	26 37 78 29	3 58 15	4 16 130 20	6 7 18 6	2 79 182 24	1 3 8 5	3 3 1	34	19 79 153 20
2	22 32 5 45,208 906 (	27 34 13 28 60,444 57,923	15 25 23 25 2,541 2,276	7 9 6 1,928 3,096	3 4 1 4 680 (*)	11 14 6 9 139,403 16,826	9 21 23 20 98,346 107,596	9 13 6 13 6,422 6,130	15 18 13 17 8,514 10,094	11 17 30 16 131,590 132,200	5 2 17,627 (*)	6 8 4 928 85	2 3 2 3 102,100 82,000	15 21 11 20 1,047 1,060	2 2 3 1 1,500 9,501
	$\begin{array}{c c} 13 \\ 8 \\ 4 \\ \end{array} \begin{array}{c} \dots \\ \dots \\ \dots \end{array}$	20 6 2	17 8 	5 1	4 4	4 2 3	11 2 7	12 i	14 1 2	11 3 2	3 1 1	7 1		16 4 	1
	4 27 1	27 7	25 	6 3	4	3 10 1	3 17 1	13	17 1	1 16	5			21	1 1
11 23 39 5 5 3	82 276 345	307 789 842 3 1 1	1 1 44	31 80 132 5 15 8	2 5 3 6	131 338 384 3 1 3	90 995 966 32 15 16	21 44 71 ( <sup>2</sup> ) 1	96 268 272 3 1 1	17 56 48 3 1 ( <sup>2</sup> )	111 232 361 6 2 1	14 41 37 2 ( <sup>2</sup> )	7 287 210 ( <sup>2</sup> ) 1	8 15 28 1	196 658 618 3 1 2
·····	· · · · · · · · · · · · · · · · · · ·	2 1,900			2 2	1 300 1 1 1	1 300 13 29 27	1 1	1 1				1 1 1		1 200 1 1
····· ····· ····· )	· 1	1 1 1 50 (*)	·····	2 		31 44 29 44 27 23	7 7 4 5 29 32		4 5 3 37	2 	4 4 1 4 (*)		······ ····· ·····	·····	4 8 1 7 9 (*)
3 3 2 1 1	1	8 8 3 1 1	18 22 8 1 1	1 1 7	1 1 6	38 60 51 21 29	75 88 26 30 35	2	9 12 2 4 4	24 38 12 10 16	6 6 3 4 4	3 3 5 1 1	2 	8 9 5	9 14 4 7 11
22		7 7	18 21	1 1	1 1	18 25	45 48	2 2	5	19 22	2 2	2 2		9 10	4 4
21 768 4 117	8 623 119 35,213 2 212	255 387 105,176 1 19	8 230 16 1,875 3 65	3 317 54 4,130 2 17	3 340 5 1,325	13 888 178 32,807 3 145	5 60 173 88,407 18 274	14 1,966 25 3,626 2 110	1 290 116 25,411 3 560	16 1,496 18 2,146 1 10	3 567 125 32, 513 4 88	4 240 18 3,222 1 392	1 150 6 14,554 1 90	6 321 17 562 2 125	5 110 191 88,634 17 1,163
5,734		1, 604, 247	i J	219,869	9,750	486,891		151,489	504; 512	280,768	914,321	17,049	733, 246	30,686	1, 359, 186
7 433 5,534	15,113	150 539,718 52,314 2,143,965	20 59,823 2,000 107,736	10 7,080 571 226,949	5 2,125 1,450 1,875	77 121,076 11,159 607,967	75 1,792,683 80,679 8,368,286	969	53 200,286 16,782 704,798	21 1,933,273 2,489 2,214,041	14, 469	18 79,805 2,978 96,854	4 21,950 14,484 755,196	15 17,310 558 47,996	105 106,808 39,328 1,465,994
••••	2 149,056 151,221 450	4 1,060,459 290,674 7,522		( )		30	1 8,064,765 7,288,717 78,000	1 91,871 82,974 727	3 20, 562  1, 770	4,000	1 597,705 498,508 5,075	1 256,163 22 392	1 1,031,741 714,924 14,084		1 44,000 104,728
		2 198,895		····				1 10,000 727			1 114,610 5,075	1 2,000 392		·····	

#### 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)	Missoula	Mussel- shell	Park	Petroleum	Phillips	Pondera	Powder Biver	Powell.
ALL ENTERPRISES					1			
Irrigation works: Diversion dams	- 244	30	305 461	27	20		43 116	184 683
1940. Diversion dams by material: Concrete or masonry	. 24 . 57 . 127	18 9 16		37 1 32	37 2 28	28 7 19	44 6 1 75	445 20 207 435
Other, mixed, and not reportedenterprises reporting 1950. Reservoirs	. 11	L	36 5 5	18 22	3 18 20	7	13 13 20	21 13 13
Reservoirs for which capacity was reportedreservoirs 1950. total capacity, acre-feet 1950. 1940.	. 15 . 13 . 9,500	2 1 100	35	7 22 25,417 28,285	23 17 94,818 81,829	8 12 142,147 162,707	8 20	16, 442 16, 442 19, 015
Reservoirs by capacity: 1-99 acre-fectreservoirs 1950. 100-999 acre-fectreservoirs 1950. 1,000 acre-fect and overreservoirs 1950.	. 5	1	32	16 4 2	9 3 5	10	18 2	5
Reservoir dams by material: Concrete or masonrydams 1950. Earth and rockdams 1950. Other, mixed, and not reporteddams 1950.	. 9	1 		22	20	11 2	20	11 11
Canals and ditches	· 329 · 432 · 19 · 10	65 57 2	261 712 448 9 2	23 73 97 4 ( <sup>2</sup> )	22 318 331 3 1	22 614 639 2 4	16 28 15	133 364 577 13
1940. Tunnels			1		14			(2)
total length, feet 1950. Flowing wells Flowing wells	. 2 . 3						1 1	2,270
Pumped wells	11	2 2 10 2	2 2 1				1 1	
Weils for which pumping iff. Was reported	. 51	16 14	( <sup>2</sup> ) <sup>1</sup> 90	·····	20		•••••	( <sup>2</sup> )
Irrigation pumps	. 53 . 20 . 14	29 35 26 8 9	15 18 2 10 12	26 30 7	33 45 15 15 18	5 8 2 2 2 2	8 10 4 1 1	
Other motors and engines used for pumpingother motors and engines 1950.	33	23 24	6 6	26 31	22 24	5	9 10	
Season of irrigation, 1949: Water delivered only before July 1enterprises reporting. water delivered before and after July 1enterprises reporting. acres irrigated. Water delivered only after July 1enterprises reporting. acres irrigated. water delivered only after July 1	· 512 181 · 26,474 · 7	4 841 40 5, 592 1 35	23 1,983 301 56,449 8 862	25 4, 371 31 5, 280 2 874	14 1,479 39 30,547 2 42	2 650 21 44,809 3 15	21 1,892 20 2,652 4 766	740 187 59,371 30
Capital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940dollars 1940. New capital investment Jan. 1, 1940, to Jan. 1, 1950:	. 767, 176	69,410	549,970	265,896	4, 485, 191	3,769,440	20,359	926,300
Enterprises reporting	. 459,256	28 32,659 2,977	125 172, 579 24, 655	35 54, 337 5, 979	29 185,730 9,266	14 21,628 5,779	44 77,429 4,835	11( 225,159 45,11(
Total capital investment Jan. 1, 1950dollars 1950. Indebtedness: <sup>3</sup>	• 1,226,432	102, 069	722,549	321, 233	4,670,921	3, 791, 068	97,788	1,151,46
Mounteeness: Outstanding honds, construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reporting	. 511, 125		3 161,372 108,584	2 87,769 38,000	3,278,878 4,080,449	1 308, 182 4, 273, 621		271,94 220,23
Area irrigated directacres 1949. Arearage in psyment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:		•••••	6,133		23,706	4,237		2,08
obligations, Jan. 1, 1950: Enterprises reportingdollars 1950. Amount	- 5,000							50, 36 80(

"Not availalle. "Pipelines in farm-distribution systems were included in 1940, not included in 1950. "Less than 0.5. "Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

#### BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

Prairie	Ravalli	' Richland	Roose- velt	RoseLud	Sanders	Silver Bow	Still- water	Sweet Grass	Teton	Toole	Treasure	Valley	Wheat- land	Yellow- stone	All other counties	
1 5 4	440 698 503 34	6 8 9	6 8 4	30 68 100	70 123 153 3	64 118 74 3	88 103 81 25	120 176 108 14	50 103 97 9	11 30 77	3 3 2	20 32 16	60 152 110 9	32 39 19 8	7	1233
6	304 322 38	8		2 54 11	23 93 4	23 85 7	23 22 54 2	32 88 42	10 77 7	30	2	1 27 3	32 97 14	5 18 8		5 6 7
6 	28 35 19 35 90,981 45,916	5 6 16 957 955	2 2 2 90	6 13 10 12 1,465 690	7 8 8 6,775 36,840	4 5 3 8 154	1 1 1 4	6 9 3 8 24,068 18,840	6 7 16 7 148,950 188,058	8 12 8 12 1,911 521	2 	7 7 5 5, 439 4, 515	11 11 2 11 53,028 (*)	5 3 2,716 2,800	2 2 12 2 89 (*)	8 9 10 11 12 13
	17 7 11	4 2	2	10 2 	6 2	3	1	6 2	7	5 7		3 3 1	6 4 1	3 2 1	2	14 15 16
	31 4	4 2	2	12 1	8	4	i	8 1	1 6	12		7	10 1	6	2	17   18   19
4 51 14 3 1 ( <sup>2</sup> )	402 930 809 10 4 3	5 213 196 2 1	5 55 123 ( <sup>2</sup> )	19 131 194 2 1 ( <sup>2</sup> )	62 238 240 2 1 4	39 70 59 1 4 2	105 302 200 ( <sup>2</sup> ) 1	136 848 520 4 2 ( <sup>2</sup> )	40 726 915	13 52 223	7 41 56	29 241 265 7 2 18	62 341 234 3 ( <sup>2</sup> ) ( <sup>2</sup> )	41 678 543 5 1 8	11 (*)	20 21 22 23 24 25
				1 725	1, 100 8 13 11		2 105	2 215 	4,700	1 1		1 3		3 4,876 	· · · · · · · · · · · · · · · · · · ·	26 27 28 29 30
	8 8 2 8 13 ( <sup>2</sup> )		· · · · · · · · · · · · · · · · · · ·		6 7 7 15 18	2 3 2 3 11 ( <sup>2</sup> )	2 2 1 14 	1 1 1 18 (•)	3			3 6 63 66	1	1 1 1 21	· · · · · · · · · · · · · · · · · · ·	31 32 33 34 35 36
2 6 3 6	37 41 4 15 17	9 17 10 1 6	4 5 9	60 88 43 4 5	16 18 16 10 12	3 4 2 	4 6 2 2 2	6 8 3 3	3 4 8 2 3	6 8 18	27 36 13 18 21	75 124 35 39 52	1	50 66 30 18 28	2 2 2	37 38 39 40 41
	22 24	8 10	4 5	57 77	6	1 1	3	3 3	1 1	6 8	13 14	41 65		32 36	2 2	42 43
1 800 3 4,920	6 490 479 110,491 12 260	1 25 9 35,041 4 91	5 585 7 2,390	9 352 62 19,257 10 625	5 208 85 14, 479 7 135	3 315 70 7,271 2 6	101 28,931 5 307	4 653 138 38,818 2 45	6 2,070 45 98,439 1 320	12 1,195 6 336 2 154	29 11,310	14 7,698 66 29,460 9 225	13 2,990 52 23,968 2 90	6 583 82 96, 394 2 42	1 40 1 10	44 45 46 47 48 49
445,760		2,531,900	455, 292	1,934,760	1,447,805	30,252	378,671		8,281,810	99,010	493,781	3, 204, 986	161,145	3, 371, 230 57	63,340 2	50 51
3 1,659,589 4,289 2,105,349	161 323,723 49,682 2,610,481	12 141, 346 3, 283 2, 673, 246	7 124, 519 2, 396 579, 811	58 165,937 12,707 2,100,697	41 307, 411 12, 273 1, 755, 216	14 14, 150 2, 405 44, 402	72 114,064 17,528 492,735	89 124,816 27,570 776,895	32 869,575 82,789 9,151,385	15 18,317 1,430 117,327	23 70,760 10,149 564,541	63 348, 436 13, 582 3, 553, 422	41 271, 671 13, 589 432, 816	335, 300 75, 837 3, 706, 530	531 50 63,871	52 53
3 572, 300 84, 323 4, 920	10 1,505,095 1,507,567 41,250	2 1,677,183 1,951,428 34,477	1 240,299 580,805 1,800	4 263,939 772,873 12,280	2 1,044,568 1,456,614 10,050		57,815 30,200 6,043	2 1,700 3,775 2,818	4 7,351,954 7,001,509 64,082	•	1 53,142 72,983 3,221	2 3, 457, 681 2, 740, 350 24, 162	1 671,342  5,535	13 1, 402, 527 1, 732, 072 84, 393	34,212	56 57
	1 215,224	2, 272 31, 824	1 1,714 1,800					1 608 1,007	•••••			1 7,806 8,000	1 140,286 5,535	·····		59 60 61

### 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,

	[Intercounty enterprises are included in each county in which Item (For definitions and explanations, see text)	The State	Beaverhead	Big Horn	Blaine	Broad- water	Carlon	Carter	Cascade
	ALL ENTERPRISES								
1 2 3 4 5 6	Cost of water to farms, 1949:1         Total cost of water to farms:         Enterprises reporting	5,305 2,514,679 1,874,901 1.34 1.39 0.42	338 44, 254 263, 393 0. 17 0. 18 0. 04	77 99,918 57,516 1.74 1.79 0.48	116 171,849 48,053 3,58 3,59 1,80	110 39,544 42,939 0.92 0.99 0.22	239 78,659 87,885 0.90 0.91 0.25	20 1,416 3,133 0.45 0.45 ( <sup>3</sup> )	67 61,444 33,273 1.85 1.85 0.80
7 8 9 10	Enterprises by cost per acre: Less than \$1.00acres irrigated \$1.00-\$1.99enterprises reporting. acres irrigated	3,735 1,039,806 474 303,749	322 254, 515 7 6, 084	36 5,882 10 19,221	39 12,077 14 1,226	93 33, 129 4 1, 427	164 57,653 42 23,726	16 2,683	32 4, 428 5 18, 449
11 12 13 14 15 16	\$2.00-\$4.99acres irrigated \$5.00-\$9.99scencerprises reporting. acres irrigated. sl0.00 and overenterprises reporting. acres irrigated. acres irrigated.	585 470,103 298 51,771 213 9,472	7 2,567 1 137 1 90	15 31, 625 13 732 3 56	26 15,800 27 18,604 10 346	11 8,219 2 164	22 5,784 9 698 2 24	4 450	14 9,226 8 1,017 8 153
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	5,146 2,450,143 1,808,576 1.35	325 42, 344 252, 563 0. 17	76 94,836 55,739 1.70	115 171,700 47,897 3.58	107 35,596 40,118 0.89	236 76,576 86,166 0.89	20 1,416 3,133 0,45	67 61,444 33,273 1.85
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting,	405 64,536 66,325 0.97	21 1,910 10,830 0,18	2 5,082 1,777 2.86	4 149 156 0.96	8 3,948 2,821 1,40	14 2,083 1,719 1,21	· · · · · · · · · · · · · · · · · · ·	
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reporting	126 541,568 432,547 1,25		2 5, 300 12, 685 0. 42	5 65,792 30,773 2.14	1 19,025 7,523 2,53	3 4,655 2,558 1.82	· · · · · · · · · · · · · · · · · · ·	2 17,403 22,518 0.77
29 30 31	Arrearage in payments by farms, Jan. 1, 1950:4 Enterprises reportingdollars Amountdollars Area irrigated directacres.	49 106, 880 341, 683	2 521 7,377	2 19,253 41,775	2 12,472 15,822	1 1,145 3,700	2 238 4,230		1 2,780 14,524
32	SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprisesenterprises.	4, 159	265	68	108	72	149	20	62
33 34	Area irrigatedacres Complete-system enterprises.	725, 543 3, 566	211, 391 216	7,818	7,385	15,043 66	16,510 124	3,133 20	5,998 61
35	Area irrigatedBcres.	614,801	179,801	6,768	4,913	14, 203	11, 333	3, 133	5,783
36 37 38	Enterprises reportingnumber Number of other farmafarma Area irrigated in other farmsacres	87 123 6,484	1 1 220	2 3 87	1 1 50		9 10 729		4 4 139
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting acres irrigated All of water from other enterprisesenterprises reporting acres irrigated	3, 608 614, 801 247 74, 650 304 36, 092	219 179,801 42 29,411 4 2,179	52 6,768 3 38 13 1,012	75 4,913 7 306 26 2,166	66 14,203 5 750 1 90	125 11, 333 6 1, 614 18 3, 563	20 3,133	61 5,783  1 215
45 46 47 48 49 50 51	Enterprises by primary and supplemental irrigation: All primary	3, 983 708, 527 21 1, 392 1, 194 113 14, 430	260 210, 391 2 2 1, 000	68 7,818	103 7,305  1 80	70 14,473 1 60 60 1 450	144 16,090 1 50 80 3 290	20 3,133	62 5, 998
52 53 54 55	Enterprises by number of acres irrigated: <sup>6</sup> Noneenterprises reporting 1-9 acresenterprises reporting 10-29 acresenterprises reporting 30-59 acresenterprises reporting.	42 409 701 754	3 3 6 18	 6 17 16	4 6 29 21	1 11 14	1 7 27 33	·····1 ·····4	
56 57 58 59 60	60-99 acresenterprises reporting. 100-199 acresenterprises reporting. 200-499 acresenterprises reporting. 500-999 acres	639 745 569 183 117	14 39 69 51 62	14 9 4 1	22 19 7	8 15 15 6 2	25 40 9 6 1	2 7 5 1	11 9 6 2

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

#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

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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]

Chouteau	Custer	Daniels	Dawson	Deer Lodge	Fallon	Fergus	Flathead	Gallatin	Garfield	Glacier	Golden Valley	Granite	hill	Jefferson	Judith Basin	
59 7,961 7,527 1.06 1.06 ( <sup>3</sup> )	63 59,666 26,281 2.27 2.27 1,26	3 45 1,026 0.04 0.04 ( <sup>3</sup> )	12,806 4.07	72 8,842 21,036 0.42 0.44 0.19	6 1, 550 519 2.99 <sup>2</sup> .99 ( <sup>3</sup> )	5,446 11,220 0.49	83 18,559 4,462 4.16 4.51 3.01	222 68,119 91,428 0.75 0.82 0.23	25 1, 191 1, 008 1. 18 1. 18 ( <sup>3</sup> )	7 17,745 14,794 1.20 1.20 ( <sup>3</sup> )	23 5,018 3,854 1.30 1.37 0.81	132 27,672 33,178 0.83 0.87 0.18	35 13, 265 3, 722 3. 56 3. 56 2. 74	120 18,190 26,490 0.69 0.70 0.14	42 4,173 5,722 0.73 0,73 0,49	2
30 5,703 4 340	36 14,036 6 1,746	1,010	2 45 	60 17, 199 7 2, 979	4 259 1 200	63 9,195 6 1,253	28 1,663 7 392	194 69,967 16 8,990	14 757 1 40	6 710 1 14,084	9 1,796 6 1,378	104 22,157 14 4,181	9 1,014 3 1,365	97 19, 388 12 4, 720	38 4,671 1 80	7 8 9 10
18 1,063 5 281 2 140	8 3,227 8 7,126 5 146	1 16	6 12,761	3 651 2 207	1 60	10 650 3 116 1 6	12 462 13 1, 363 23 582	9 12,403 2 48 1 20	5 148 2 51 3 12		6 610 1 50 1 20	9 6,505 2 130 3 205	10 753 8 367 5 223	9 2,374 1 2 1 6	2 771 1 200	11 12 13 14 15 16
59 7,961 7,527 1.06	62 59,666 26,239 2,27	3 45 1,026 0.04	8 52,183 12,806 4.07	71 8,842 20,123 0.44	6 1,550 519 2,99	82 5, 446 11, 050 0, 49	83 18, 119 4, 119 4, 40	217 61,881 82,919 0.75	25 1,191 1,008 1,18	7 17,745 14,794 1.20	22 4,740 3,674 1.29	131 25,684 31,879 0.81	35 13,265 3,722 3,56	118 18,165 25,951 0.70	42 4, 173 5,722 0, 73	17 18 19 20
	1 0 42 0.00	·····		1 0 913 0.00		2 0 170 0.00	4 440 343 1.28	18 6,238 8,509 0.73			1 278 180 1.54	8 1,988 1,299 1.53		2 25 539 0.05	•••••	21 22 23 24
	1 18,780 5,807 3.23		1 2,517 823 3.06			1 380 358 1.06	3,924 1,331 2,95	4 5,705 7,686 0.74			3 1,379 1,768 0.78	2 10,879 7,475 1.46	1.642 1,017 1.61	3 1,123 1,360 0.83	1 2,212 727 3.04	27
	2 1, 212 14, 807		1 41 823				1 2,263 1,000	5 1,968 11,317		16,652 14,084	1 20 926			4 2,888 3,283		29 30 31
57 7,252	61 9,074	( <sup>5</sup> ) 2	5 148	63 17, 145	6 519	70 7,098	70 2,059	130 14, 587	25 1,008	6 710	18 1,548	101 16,314	32 1,607	87 12, 249	38 4,621	32 33
57 7,252	59 9,017	( <sup>5</sup> ) <sup>2</sup>	5 148	50 13, 326	6 519	69 7,058	68 1,944	117 13, 471	25 1,008	6 710	16 1,468	79 11,204	17 539	81 10,812	38 4,621	34 35
1 1 100	·····	·····		2 2 275	·····		1 4 14	3 5 134			•••••	2 3 135	1 1 8	2 3 33	·····	36 37 38
57 7,252	60 9,017 1 57	( <sup>5</sup> ) 2	5 148 	50 13, 326 5 2, 703 8 1, 116	6 519 	69 7,058  1 40	68 1,944 1 100 1 15	118 13,471 4 240 8 876	25 1,008		16 1,468 2 80	79 11,204 19 4,586 3 524	17 539 3 193 12 875	83 10,812 4 1,437	38 4, 621	39 40 41 42 43 44
57 7,252	59 9,032  1 42	( <sup>5</sup> ) <sup>2</sup>	5 148	63 17, 145	6 519	69 7,038 1 60	70 2,059	125 10,682  4 3,905		710 	17 1, 368 1 180	100 16,304  1 10	32 1,607	84 12,180  1 69	38 4,621	45 46 47 48 49 50 51
6 11 12	1 3 5 10	i	1 3	5 4 11	2	6 9 19	30 16 13	1 11 28 28	5 6 6	1	2 5 5	4 11 16	1 14 6	2 8 19 12	1 7 9	52 53 54 55
11 11 4 1 1	11 14 14 3	1	1	11 7 15 5 5	2 1 1	13 13 7 3	8 2 1	28 20 8 4 2	7 1	1 3 1	3 2 1	14 24 27 5	8 2 1	9 15 17 4 1	5 7 8 1	58

#### 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,

٦	[Intercounty enterprises are included in each county in which Item (For definitions and explanations, see text)	Lake	Lewis and Clark	Liberty	Lincoln	McCone	Madison	Meagher	Mineral
	ALL ENTERPRISES								
1 2 3 4 5 6	Cost of water to farms, 1949:1         Total cost of water to farms:         Enterprises reporting	209 230,009 89,497 2.57 2.66 1.77	194 35,848 33,890 1.06 1.08 0.37	8 125 1,665 0.08 0.08 ( <sup>3</sup> )	59 6,145 4,484 1.37 1.59 0.41	27 3,897 2,170 1.80 1.80 ( <sup>3</sup> )	392 75,867 106,344 0,71 0.75 0,12	128 2, 615 36, 054 0, 07 0, 07 ( <sup>3</sup> )	26 657 985 0,67 0.67 ( <sup>3</sup> )
7 8 9 10	Enterprises by cost per acre: Less than \$1.00acres irrigated. \$1.00-\$1.99enterprises reporting. acres irrigated.	131 9,000 8 418	153 26, 681 14 3, 684	7 1,615 1 50	53 2, 369 3 174	12 453 7 1,398	305 88,509 42 11,156	126 35,194	22 860
11 12 13 14 15 16	\$2.00-\$4.99enterprises reporting. acres irrigated. \$5.00-\$9.99enterprises reporting. acres irrigated. \$10.00 and overenterprises reporting. acres irrigated.	25 79,159 16 581 29 339	11 523 5 2,899 11 103	· · · · · · · · · · · · · · · · · · ·	1,900 1 25 1 16	5 175 3 144	33 5,081 8 1,526 4 72	2 860	1 60 2 64 1 1
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	184 221, 417 86, 453 2, 56	193 35,507 33,154 1.07	8 125 1,665 0.08	58 4,570 3,857 1.18	27 3,897 2,170 1,80	383 71,351 100,752 0,71	128 2,615 3G,054 0.07	26 657 985 0,67
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting	40 8,592 3,044 2.82			4 1, 57 5 627 2, 51		22 4,516 5,592 0.81	·····	••••
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reporting	2 575 150 3.83			2 1,079 1,920 0.56		9 13,350 17,087 0.78	2 1,785 860 2,08	
29 30 31	Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup> Enterprises reporting						2 990 4, 292		
	SINGLE-FARM ENTERPRISES, 1950								
32 33	Single-farm enterprises	170 6,303	164 22,963	10 1,665	49 1,817	27 2, 170	264 42,971	126 35, 194	26 985
34 35	Complete-system enterprises <sup>6</sup> area irrigatedacres.	147 4,866	143 15,916	8 1,665	48 1,817	27 2,170	223 33,438	119 31, 526	26 985
36 37 38	Other farms irrigated: Enterprises reportingnumber Number of other farmsfarms Area irrigated in other farmsacres	6 13 70	2 2 6		1 1 8		7 14 490	1 1 425	
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>6</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting acres irrigated All of water from other enterprisesenterprises reporting acres irrigated	150 4,866 6 891 14 546	145 15,916 8 3,519 11 3,528	10 1, 565	49 1,817	27 2, 170	224 33,438 34 8,817 6 716	119 31,526 2 1,700 5 1,968	26 985
45 46 47 48 49 50 51	Enterprises by primary and supplemental irrigation; All primaryacres irrigated Part primary, part supplementalenterprises reporting Primary irrigationacres irrigated. Supplemental irrigationacres irrigated. All supplemental	140 4,647 2 42 48 25 1,566	160 22,467 1 20 160 1 316	8 1,665	48 1,817 	27 2,170	255 41,606 3 240 230 5 895	126 35,194	26 985
52 53 54 55	Enterprises by number of acres irrigated: Noneenterprises reporting 1-9 acresenterprises reporting 10-29 acresenterprises reporting. 30-59 acresenterprises reporting.	3 67 42 21	2 14 31 26	2 1 1	1 13 19 5	3 11 7	1 12 33 38	6 12 15	6 5 7
56 57 58 59 60	60-99 acresenterprises reporting. 100-199 acresenterprises reporting. 200-499 acresenterprises reporting. 500-999 acresenterprises reporting. 1,000 acres or more	27 6 3 1	30 28 25 6 2	1 4 1	7 3 1	3 2 1	44 69 47 16 4	22 20 32 8 11	7 1

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

#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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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]

Missoula	Mussel- shell	Park	Petroleum	Phillips	Pondera	Powder River	Powell	Prairie	Bavalli	Bichland	Roose- velt	Rosebud	Sanders	Silver Bow	Still- water
200 56,802 27,811 2,04 2,14 0,52	46 9,387 6,668 1.41 1.41 ( <sup>3</sup> )	329 53,927 60,091 0.90 0.98 0.14	56 12,392 10,525 1.18 1.27 ( <sup>3</sup> )	58 58,861 32,499 1.81 1.82 1.65	27 81,730 45,689 1.79 1.82 1,30	46 4,505 5,410 0.83 0.84 ( <sup>3</sup> )	192 49,350 61,968 0.80 0.80 0.13	4 20,806 5,720 3.64 3.64 1.73	496 137,923 113,408 1,22 1,33 0,25	15 147,212 35,161 4.19 4.19 ( <sup>3</sup> )	12 3,487 2,975 1.17 1.20 ( <sup>3</sup> )	84 78,295 20,556 3.81 3.81 1.06	97 32, 229 14, 822 2, 17 2, 18 ( <sup>3</sup> )	75 2,580 7,592 0.34 0.34 0.05	111 44,716 29,515 1.52 1.57 0.36
132 15, 160 17 2, 982	16 4,251 6 1,073	232 41, 521 47 11, 104	26 7,289 9 1,248	29 8,792 4 663	17 3, 194 4 7, 992	37 3,930 3 635	149 51,588 16 4,244	1 800 	381 63,008 46 29,007	6 447 2 55	6 1,054 2 1,876	20 2,366 9 1,502	77 4, 091 2 63	71 6,597 3 575	81 17,261 14 5,953
19 8, 168 17 903 15 598	13 1,042 6 201 5 101	34 6,056 13 1,104 3 306	11 1,455 6 351 4 182	13 22,746 8 209 4 89	4 34, 472 1 30 1 1	4 838 2 7	16 3,985 9 583 2 1,568	3 4,920 	36 20,527 14 477 19 389	34,615 2 44	1 12 15 2 18	28 12,891 17 3,483 10 314	8 10,354 7 300 3 14	1 420	11 4,876 4 1,030 1 395
198 54, 170 26, 562 2, 04	46 9,387 6,668 1.41	308 50,094 55,132 0,91	55 12,232 9,785 1.25	57 58,361 32,372 1,80	24 80,680 44,843 1.80	46 4,505 5,410 0.83	189 49,226 61,315 0.80	4 20,806 5,720 3.64	452 128,487 104,055 1,23	15 147,212 35,161 4.19	12 3, 367 2, 899 1, 17	84 78,295 20,556 3.81	97 32,229 14,775 2,18	75 2,580 7,592 0.34	107 44,000 28,483 1.54
15 2,632 1,249 2,11		43 3,833 4,959 0.77	1 160 740 0.22	1 500 127 3,94	4 1,050 846 1.24		9 124 653 0,19	·····	117 9,436 9,353 1,01		1 120 76 1,58		4 0 47 0.00		20 716 1,032 0.69
2 4,975 2,754 1.81		19 14,459 9,479 1,53	2 2,728 2,043 1.34	2 21,645 24,579 0.88	· · · · · · · · · · · · · · · · · · ·	·····	4 14, 307 4, 330 3, 30	·····	14 29,653 29,224 1,01	2 85,897 34,477 2,49	1 105 1,800 9.06	3 32,418 12,280 2.64	1 186 50 3.72		10 7,422 6,965 1,07
3 4?9 2,444				1 485 3,500	2 9,974 38,237	·····		·····	7 6,044 22,798	1 1,341 31,824	1 1,572 1,800	2 2,840 6,234	••••••		1 10 370
172 13,573 13,090	38 3, 587 33 3, 099	265 34,348 205 26,272	47 5, 557 43 4, 700	54 5, 293 33 3, 878	21 3,407 16 2,425	49 5,410 46 5,410	162 47,426 144 40,055	( <sup>5</sup> ) <sup>1</sup> ( <sup>5</sup> ) <sup>1</sup>	289 25, 196 242 22, 226	13 684 9 517	10 705 10 705	80 7,493 56 5,941	91 4,665 90 4,617	72 6, 302 69 5, 952	52 3,701 52 3,701
•••••		5 7 679	1 1 200	2 2 • 106	1 1 150	1 1 50	3 3 193	·····	6 8 421			1 1 75	4 6 85	2 4 128	1 1 90
140 10,090 11 2,019 21 1,464	33 3,099 3 273 2 215	209 26,272 19 2,780 37 5,296	43 4,700 4 857	33 3,878 2 35 19 1,380	16 2, 425 2 597 3 385	49 5, 410	145 40,055 12 6,903 5 468	( <sup>5</sup> ) <sup>1</sup>	248 22, 226 27 2, 421 14 549	9 517 4 167	10 705	56 5,941 3 130 21 1,422	90 4, 617 1 48	69 5,952  3 350	52 3, 701
168 13, 568	38 3, 587	239 31,242 3 163 168 19 2,775	47 5, 557	53 5, 166  1 127	19 3, 292   2 115	46 5, 410	160 47,396  1 30	( <sup>5</sup> ) <sup>1</sup>	247 23, 573 6 440 126 30 1,057	13 684	10 705	80 7, 493	90 4,625 1 30 10	72 6, 302	49 3, 416  3 285
3 27 38 31	4 9 9	4 14 30 39	5 8 10	5 11 16	3 1 1	3 2 7 10	1 2 6 28		6 51 53 57	1 6 3	1 5	3 16 24	16 28 22	9 18 12	2 11 11
29 27 15 2	7 5 3	46 87 35 9 1	12 3 4 5	5 9 6 2	3 4 9	7 10 9 1	40 43 11	·····	39 57 19 6 1	1 1 1	2	13 15 6 3	11 10 4	10 11 11 1	13 13 2

#### County Table 2 (Part 3 of 4).--IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

545	Item (For definitions and explanations, see text)	Sweet Grass	Teton	Toole	Treasure	Valley	unted for eac Wheatland	Yellow- stone	All other counties
	ALL ENTERPRISES								
	Cost of water to farms, 1949: <sup>1</sup> Total cost of water to farms:								
1	Enterprises reportingdollars	149 31,249	56 114, 517	20 716	29 33, 503	90 73,606	66 34,830	92 269,903	2 281
2	Area irrigated directacres Cost per acre irrigated directdollars	41,062 0.76	101,900	1,685	11,310	37,973	27,048	97,109	50
4 5	Total cost per arrearer foot of water <sup>2</sup> dollars.	0.80	1.12	0.42	2.96	1.94 2.00	1.29	2.78 2.81	5.62
6	Total cost per acre-foot of water "	0.14	0.58	(3)	0.86	1.82	0.46	1.00	(3)
-	Enterprises by cost per acre: Less than \$1.00enterprises reporting	120							
7 8	acres irrigated	32,398	47 35,077	15	237	8,534	43 15,700	18 10,432	
9 10	\$1.00-\$1.99acres irrigated	14 6,662	56,084		3 4, 150	9,363	7 6,213	17 23, 544	
11	\$2.00-\$4.99enterprises reporting	٥							
· 12	acres irrigated.	1, 542	10,739	170	20 6,634	27 18,777	10 3,825	29 57,206	10
13 14	\$5.00-\$9.99acres irrigated	4 98		50	4 289	19 1,095	4 760	18 4,177	1 40
15 16	\$10.00 and overarterprises reporting acres irrigated	2 362		1		11 204	2 550	10 1,750	
	Cost of water for primary irrigation:						510	1,100	
17 18	Enterprises reporting	142 30,256	56	20	29	87	66	91	2
19	Area supplied primary irrigation	38,954	109,251 98,286	716	33,321 11,140	72,813 36,829	34,830 27,048	268,337 96,199	281 50
20	Cost per acre supplieddollars	0.78	1,11	0.42	2.99	1.98	1. 29	2.79	5,62
21	Cost of water for supplemental irrigation: Enterprises reportingenterprises	18							
22 23	Costdollars	993	5, 266		1 182	793	·····	8 1,566	**********
23 24	Area supplied supplemental irrigation	2,108 0.47	3,614 1,46	•••••	170 1.07	1,144 0.69		910 1,72	
	Cost to farms for purposes other than operation and maintenance: 4								
25	Enterprises reporting	2	4		1	4	2	15	
26 27	Costdollars Area ırrigated directacres	1,665 2,421	59,457 64,182	•••••	7,367 3,221	23, 516 24, 354	6,699 5,885	51,564 80,077	
28	Cost per acre irrigateddollars	0,69	0.93	•••••	2.29	0.97	1.14		
	Arrearage in payments by farms, Jan. 1, 1950: 4								
29 30	Enterprises reportingdollarsdollars	1 235	1 10,458		2 1,663	7,295		5   2.041	
31	Area irrigated directacres	1,007	54, 443	•••••	7,221	13, 393		20,452	
	SINGLE-FARM ENTERPRISES, 1950								
32 33	Single-farm enterprisesacres Area irrigatedacres	108 15,210	48 29,425	22 1,685	26 3,189	85 8,326	56 17,973	62 3,677	( <sup>5</sup> ) 2
34	Complete-system enterprises <sup>6</sup>	92	44	20	15	77	53	45	2
35	Area irrigatedacres	12,998	28,424	1,685	2,256	6,928	17, 125	2, 957	(5)
	Other farms irrigated:								
36 37	Enterprises reportingnumber Number of other farmsfarms	2 3	3		2	3	1	3	•••••
38	Area irrigated in other farmsacres.,	175	346	•••••	469	182	20	192	
39	Enterprises by origin of water supply: <sup>6</sup> No water from other enterprisesenterprises reporting.	94							
40	acres irrigated.	12,998	44 28,424	22 1,685	15 2,256	77 6,928	53 17,125	45 2,957	( <sup>5</sup> ) 2
41 42	Part of water from other enterprisesenterprises reporting acres irrigated	5 902			1 225	6 728	2 290		•••••
43 44	All of water from other enterprisesenterprises reporting	9 1,310	4 1,001		10 708	2 670	1 558	17 720	
	Enterprises by primary and supplemental irrigation:	-,	-,		1.00	0.0	200	120	
45	All primaryenterprises reporting	100	48	20	26	80	56	61	, 2
46 47	acres irrigated Part primary, part supplementalPart primary, part supplemental	14, 517	29,425	1,685	3,189	7,241	17,973	3,623	(5)
48 49	Primary irrigation				••••••	341		6	
50 51	All supplemental	6 693			•••••	264		48	••••••
-		043	*****	•••••	•••••	480		•••••	••••••
52	Enterprises by number of acres irrigated: <sup>6</sup> Noneenterprises reporting	2		2					
53 54	1-9 acresenterprises reporting. 10-29 acresenterprises reporting.	5 13		2	••••• <u>•</u>	11	1	9	
55	30-59 acresenterprises reporting.	21	42	2 8	3 7	19 20	6 9	13 21	1
56	60-99 acresenterprises reporting.	23	3	2	7	7		8	
57 58	100-199 acres	21 16	6 23	3	7	15	4	B	
59 60	500-999 acresenterprises reporting	б	7		1	11 2	21 7	3	· · · · · · · · · · · · · · · · · · ·
	1,000 acres or more	1	3	•••••	1	• • • • • • • • • • •	4		•••••

<sup>1</sup>Enterprises with reported cost of \$0 in 1949 are included. <sup>2</sup>Average cost per irrigated acre divided by calculated average quantity of water per acre. (County Table 2, Part 4, line 66.) <sup>3</sup>Average not given because number of enterprises reporting quantity of water was not sufficient to provide satisfactory data. <sup>4</sup>Not reported by single-farm enterprises. <sup>5</sup>Data for less than 3 enterprises not shown separately. <sup>6</sup>For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or tate. State.

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

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once

	Lintercounty	enterprises an		each county		nau IIIIgau	100 WOFKS, 1	bit only of
Item (For definitions and explanations, see text)	The State	Beaverhead	Big Horn	Blaine	Broad- water	Carbon	Cascade	Custer
MULTIPLE-FARM ENTERPRISES, 1950								
Multiple-farm enterprises, total number <sup>2</sup> enterprises	1,234	85	10	13	38	92	5	17.80
Area irrigated directacres.	1,149,358	52,002	49,698	40,668 1	27,896	71,375	27,275	17,20
Area irrigated directacres	96,344		•••••	6,050				
Area irrigated direct	931 846,654	46 33, 266	35,833	855	32 16,885	47,707	26,798	17,20
Enterprises by origin of water supply: 2								
No water from other enterprisesenterprises reporting	1,092	67	10 001	7	33	52	5 27, 275	17,20
acres irrigated Part of water from other enterprisesenterprises reporting	1,007,621 80	40,982 3	48,201	1,395 2	25,764	44, 215 35	21,215	11,20
acres irrigated	76,328	5,628		18,272	2,132	23,658	•••••	
All water from other enterprisesenterprises reporting acres irrigated	62 65,409	15 5,392	1,497	21,001		3,502		
Enterprises by delivery of irrigation water; <sup>2</sup>								
No water delivered	4		· · · · · · · · · · · · · · · · · · ·	1				
Water delivered direct to farms onlyenterprises reporting acres irrigated	955 537,709	51 31,685	6,941	19,127	33 17,668	75 49,951	12, 274	8,2
Water delivered to farms and to	233	25	3	5	5	16	2	1
other enterprises		20, 317	42,757	21,541	10,228	21,424	15,001	9,0
Water delivered to other enterprises onlyenterprises reporting	42	9	1		•••••	1		•••••
Enterprises by primary and supplemental irrigation: <sup>3</sup>	917	57			32	81	5	
All primaryacres reporting acres irrigated	790,742	34,517	40, 381	30, 827	18, 320	56, 573	27, 275	17,2
Part primary, part supplementalPart primary irrigation,	225 307,915	7,655	7,540	3 9,765	4 7,265	10 13.453		
Supplemental irrigation	34,044	4,795	1,460	76	1,538	1,349	]	
All supplementalenterprises reporting	46	11	1		2 272			•••••
acres irrigated	16,657	5,035	317		773	•••••		
Enterprises by number of farms irrigated direct: <sup>2</sup> Noneenterprises reporting	46	9	1	1		1		
1-3enterprises reporting	695	65	1	5	26	24	1	
4-9enterprises reporting 10-29enterprises reporting	312	8	2	1	7	39 21	1	
30-99enterprises reporting	50		1	5	i	6		
100-299enterprises reporting 300-999enterprises reporting			1			1		
1,000 or moreenterprises reporting.	i							
Enterprises by acres irrigated direct: <sup>2</sup>								
Noneenterprises reporting.	46	9	1	1		1 1		
1-99 acresenterprises reporting. 100-999 scresenterprises reporting.	241 768	3 57	1 4	24	30	5 62	2	
1.000-2.999 acresenterprises reporting.	. 117	13	1	]	3	21		
3,000-9,999 acres	46	3	1 2	5	2	2	2	
30,000 acres or more	5						1	
Quantities of water reported, 1949:	}			1	1			
Total obtained from all sources <sup>4</sup> enterprises reporting. percent of all enterprises reporting.	998	75 21	9 12	12 10	35	90 37	57	
acre-feet.		364,077	254,140	162, 897	151,602	392, 580	278,177	59,5
Surface sources	938	60	6	8	35	85	5	
acre-feet.	5,184,577	311,902	250,014	20,992	150,631	303,021	278, 177	59,5
Pumped wellsacre-feet.								
Other enterprises	128	18	3	б	5	38		
acre-feet.	1	52, 175	4,126	141,905	971	89, 559		1
Conveyance loss <sup>4</sup> acre-fect.		57 000	9 70, 282	12	34	62,867	120,377	9,0
	1,365,610	57,220	10,282	48,008	32,442	02,001	120,311	
Delivered: <sup>4</sup> Direct to farmsenterprises reporting.	. 965	69	8	12	35	89	5	ł
acre-feet.	3, 543, 947	219,144	175, 169	83,001	115,900	297,698	154,477	32,
to other enterprisesacre-feet.		87,640	8,689	1,868	3,260	31,910	323	
For use other than irrigation	• 27	1		5		1	1	10
acre-feet.	112,821	73		30,020	•••••	105	3,000	18,
Delivered direct to farms for primary irrigation: <sup>3</sup> Enterprises reportingenterprises.	. 927	59		12	33	89	5	{
Quantity delivered	3, 222, 986	187,644	166,096	81,258	108,198	248,882	63,414	30,
Area supplied primary irrigationQuantity supplied per acres.	1,036,244	39,559	46,367	40,592	24, 599	69,345 3.6	27,275	17,
	3.1	4.7	3.0	2.0	4.4		2.0	1
Delivered direct to farms for supplemental irrigation;3 Enterprises reportingenterprises.	. 203	16	2	3	6	. 9		
Quantity deliveredacre-feet.	178,534	31,500	6,930	118	7,702	3,685		
Area supplied supplemental irrigationQuantity supplied per acre	· 43,185	7,767	1,777	76	2,311 3.3			
Quantity supplied per acre Total quantity per irrigated acre <sup>5</sup> acre-feet.		4.9	3.7	2.0	4.6	3.7	2.3	
Cost of water to farms for enterprises reporting quantity delivered, 1949:		1	1					
Cost for primary irrigationdollars. Average cost per acre-footdollars.	1,929,164	14,325	84,791 0,51	147,736	30,440 0,28	64, 243 0. 26	47,468	44
Cost for supplemental irrigationdollars.	41.939	1,578	5,082	149	3,848	1,328		
Average cost per acre-footdollars.	. 0.23	0,05	0.73	1.26	0.50	<b>0.3</b> 6		
Measurement of water to farms, 1949: 3			-				-	
		63	49,558	30,896	4,658	63 31,342	4,757	14,
No water measuredacres reporting. acres irrigated.	• 511.292	1 34.570						
acres irrigated. Part of water measured	. 114		1		2	3	1	
acres irrigated.	. 114 191,543	2,779				3 2,023		

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

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#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

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

Dawson	Deer Lodge	Fergus	Flathead	Gallatin	Glacier <sup>1</sup>	Golden Valley	Granite	Hill	Jefferson	Judith Basin	Lake	Lewis and Clark	Lincoln	
3 12,658	11 3,891	13 4,122	14 2,403 1	95 76,841 2	2 14,084	5 2,306	32 16,864		37 14,241	4 1,101	42 83, 194 1	33 10,927	11 2,667 1	
2 12,254	2 1,653	13 4, 122	13 2,142	570 76 64, 602	1 14,084		23 8,564	2 1 <b>,7</b> 97	32 12,038	4 1, 101	78,000 41 82,822	25 8,392	13 11 2,667	
2 12,254	2,776	13 4,122	13 2, 142 1 261	88 72,880 5	2 14,084	1 392 3	31 14,464	4 2,115	34 12,038 3	4 1,101	42 83, 194	33 10,927	11 2,667	
1 404	6 1, 115			3,652 2 309	•••••	1,796 1 118	1 2,400	••••	2,203	•••••	•••••			
2 11,835	2 1,653	12 3,706	13 2, 403	78 57,443	1 14,084	4 1,914	20 7,629	2 1,797	30 12,439	4 1,101		23 7,952	 11 2,667	1
1 823	7 2, 238 2	1 416	1	15 19,398 2	1	1 392	9,235 1	2 3]8	5 1,802 2	•••••	2 78,372	10 2,975		1
3 12,658	8 2,978	12 3,952 1	9 1,541 4	79 44, 125 13	1 14,084	5 2,306	24 9,913 7	3 2,115	34 13,771	4 1,101	29 3,508 13	29 9,782 3	7 580 3	122
	1 913	60 110	519 343	28,112 3,154 1 1,450	•••••		5,662 1,289	•••••	1 1 470		78,256 1,430	885 260	1,460 602 1 25	
	2 8	6		2 48		1	1 26	2	2 24					22
1 1	1	7	5 1 	24 16 5	1 1	22	3 1 1	1 1	4 6 1	1	13 1 1	52	2	23
1			1								·····i	1		33
1	2 2 7	4 8 1		2 16 57 14		5	1 4 25 1	2 1	2 7 25 2	4	22 19	12 18 2	7 3 1	3333
1 1	•••••	·····	1	6 6	 1 1		1	1	1 		·····	1		34
3 38 261,321	10 14 32,708	13 16 10,699	14 17 229, 184	91 40 324,261	2 25 367,270	3 13 9,300	27 20 102,754	4 11 334,392	33 27 106,063	4 10 2,010	9 4 227,226	30 15 255,321	5 8 10,425	4
2 259,521	4 23,410	13 10,699	14 229,099	89 321,516	2 367, 270	3 7,855	26 92,754	4 334, 392	32 95,259 1	4 2,010	9 227, 226	30 255,321	5 10,425	4
1 1,800	6 9,298 10	13	1 85 13	7 2,745 90		2 1,445	1 10,000		465 3 10,339					444
109,646	8,026	2,707	90, 625 14	73,940 90	116,080 2	740	26 12,625 27	100, 527	28 22,167	334	89,880	30 109,894	3,235	
150, 175 1, 500	9,700 8 14,982	7,831 1 80	137,559 1 1,000	244,076 13 5,498	51,650 1 193,637	2,960 1 5,600	74,195 7 15,934	39, 108 2 194, 757		1,676	137, 345	30 142,142 7 3,285	7,190	555555
		81		2 747	1 5,903			· · · · · · · · · · · · · · · · · · ·	•••••				•••••	5
26,936 12,658 2.1	6,100 2,925 2.1	13 7,701 4,012 1.9	13 2,839 2,060 1.4	88 220,971 71,374 3.1	1 11,836 14,084 0.8	3 2,960 1,768 1,7	27 70,291 15,025 4.7	3 2,829 2,115 1.3	30 52,594 10,5()9 5.0	4 1,676 1,101 1,5	9 118,602 78,222 1.5	29 26,414 9,155 2.9	4 5,210 1,536 3,4	59 61
•••••	1 3,600 913	1 130 110	4 233 343	14 23,105 4,604			6 3,901 1,279		1,140 470		2 1,260 1,030	3 458 260	2 1,980 595 3.3 3.9	6 6 6
2.1	3.9 2.3 900	1.2 1.9	0.7 1.5	3.6	0.8	1.7	4.8	1.3	5.0	1.5	1.2	1.8		ł
1.92	0,15 0,00	580 0.08 0 0.00	8,441 2,97 440 1,89		17,695 1.50	1,993 0.67		2,604 0,92		2,903 1.73	214, 386 1.81 2, 279 1.81	24,489 0.93 270 0.59	3,675 0.71 1,575 0.80	6
······ 1	3 1, 706	12 3,722	13 2,403	33,513		4 1,914	16 6,019 14	2 1,098	27 10,029 3	2 269	33 3, 895 2	15 5,064 7	8 2,492	
823 2 11,835	8					1 392		i 1,017	2,203		746 4 78, 327	874 10	•••••	777

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

[Intercounty enterprises are counted in each county in which they had irrigation works, but only once

10         Water delivered to ferm and to autor mixingrisse reporting.         22         2         6         4         3         2         2         6         4         3         1         1           10         Tate delivered to dete enterprise on autor mixingrisse reporting.         2         3         4         5         5         6         6.292         1.007         13.023         2,043         2         1.007         7.902			[Intercounty	enterprises	are counted in	n each county	in which the	had irrigat	ion works, b	ut only once
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Madi son	Meagher	Missoula	Musselshell	Park	Petroleum	Phillips	Pondera
$ \begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$		MULTIPLE-FARM ENTERPRISES, 1950								
14.00         14.00 <td< td=""><td>1</td><td></td><td></td><td>4</td><td></td><td>8</td><td>74</td><td></td><td>5</td><td>7</td></td<>	1			4		8	74		5	7
Extractive by oright of their entrypics	2	Area irrigated directacres	63,373	860	14,238	3,081	25,743	4,968	27,206	42,282
Description by origin of the supplication	4	Area irrigated directarea.								
Extractive by oright of their entrypics	5	Complete-system enterprises <sup>2</sup> acres	102			4 534	16,261	2,755	3,500	38,612
To         Description         descripion <thdescription< th=""> <thdescr< td=""><td>.,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thdescr<></thdescription<>	.,									
6         Per al value for enhancemplete.         Interplete entropics.         6 - 4         2         6 - 4         2         6 - 4         2         6 - 4         2         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         3         1         1         7         2         1         1         7         2         1         1         7         2         1         1         7         1         1         7         2         1	7	No water from other enterprisesenterprises reporting.		2		4		8	3	6
10       All water from subter entrypring.       certar intriputed.       6, 559       800       90       1, 077	8		46,627	····· · · · · · · · · · · · · · · · ·	14,188	1,594	25,298		24,579	38,782
12       term irrighted.       (0,15"	10	acres irrigated		860				400	1,500	3,500
1         Descriptions by dolivery of irrights multi- the water delivered is fama and in more reserving.							445	1, 173	1,127	
131       No. where deliveryder a term washer of term of a material server transmission experiments of the server transmission experiment perime.       77,551       10       7,552       1,244       12,242       3,31       13       13,325       2,33       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       3,11       13,325       14,31       13,325       14,31       13,325       14,31       13,325       14,31       13,325       14,31       13,325       14,31       14,325       14,31       14,325       14,31       14,325       14,31       14,325       14,31       14,325       14,31       14,325       14,31       14,325       14,31       14,325       14,31       14,31       14,325       14,31       14,325       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31       14,31 <td></td> <td>Enterprises by delivery of irrigation water:<sup>2</sup></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>		Enterprises by delivery of irrigation water: <sup>2</sup>						-		
		No water delivered								
10       Name: delivered to form and to auther delivered to form and to auther delivered to reacting the comparison experison.	14	water delivered direct to farms onlyenterprises reporting				1,264	43 12,720	2,285	6,127	8,112
11       Name       13.023       3.4.19       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00       13.023       3.4.23       1.00	16	Water delivered to farms and to							1	
1         1         2         1         2         1         2         1         3         3         3         3         4         3         3         4         3         3         4         3         4         3         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4	17	acres irrigated			6,294	1,817		2,683	21,079	34, 170
10       All prime*	18		3	1	2		5	2	1	. 1
20         Der gramp, per gelanstal.         ceres irregate         6/977         660         7.466         3.061         19.119         4.220         77.265         7.607           21         Per gramp, per gelanstal.         ceres irregate         6.907         6.60         1.666         4.660         3.364           22         Septemental.         ceres irregate         2.908         60         3.50         7.66         3.36           23         All applemental.         ceres irregate         2.908         60         3.50         7.66         3.35           24         1.30	10		116		17		47	0		1
22       Primer inrights	20	acres irrigated.	49,977	860	7,446	8 3,081			27,206	7,907
23         Supplemental impairies         1.43         Supplemental impairies         1.463         1.11         1.66         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.665         1.655	21	Part primary, part supplementalenterprises reporting						••••		33.644
21       terms irrigated       2,984	23	Supplemental irrigation,								
2       Converting to yumber of fame irrighted direct. <sup>1</sup> 3       1       2       5       2       1       1         2       1			4 2 984	••••	1 80		2 150	740		375
20       North control interprise reporting.       1       1       2       1	2.1		2,704				150	140		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	26	Noneenterprises reporting		1	2		5	2	1	1
23       30-23	27 28	1-3enterprises reporting		2		6		6 2	••••••	3
31       100-299	29	10-29enterprises reporting.		1	6		4	1		1
32       300-990	30 31	30-99	1	••••	2	•••••	1			1
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	32	300-999enterprises reporting								1
34       Nome	33		•••••	•••••	1	••••	• • • • • • • • • • • • •	•••••		· · · · · · · · · · · · · · · ·
35       1-99 screat	34	Enterprises by acres irrigated direct:" Noneenterprises reporting	3	1	,		5	2	1	1
37       1,000-2,999 acres.	35	1-99 acresenterprises reporting	17		10	3	19			1
38       3,000-5,909 acres of more constraints reporting.       3       1	36	1.000-2.999 acres		2		4		8		2
40       30,000 acres or more	38	3,000-9,999 acresenterprises reporting		1	i				•	1
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			•••••	•••••		•••••		••••••	-	i i
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Quantities of water reported, 1949:			-				_	
43       are-fect.       473,297       28,911       288,170       209,232       8,855       370,596       137,169         44       Surface sources       enterprises reporting. acreation of the second s		Total obtained from all sources 4enterprises reporting.		3	14		52	4		6
$\begin{array}{c} 421,415\\ 421,415\\ 427,416\\ 420,412\\ 420,4$				28,911	288,170			8,855		1 37, 169
$\begin{array}{c} 421,415\\ 421,415\\ 427,416\\ 420,412\\ 420,4$	**	Surface courses	107	,	14		67			6
47       acce-fect.       1,110	45	acre-fect		26,911	288, 170		198, 326	5,325	336,656	135,669
48       Other enterprises	46 47		1,110				•••••			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	48	Other enterprises	14	1			1	2	2	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				2,000			-	3, 530	33,940	1,500
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				4.010				2 807	110.563	26,860
22       Direct to farmsenterprises reporting				.,				551		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	52	Direct to farms		2			49	2	4	6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				6,181 3	173,985	•••••		2,298	56,050	3
57       acre-feet.       3,950       6,889	55	acre-feet		11,831			34,209	5, 330		1,020
Delivered direct to farms for primary irrigation: <sup>3</sup>			3,950	6.889				420		35,903
58       Enterprises reporting		Delivered direct to farms for primary irrigation: <sup>3</sup>			1					
60       Area supplied primary irrigationacres $49, 827$ $450$ $9, 894$ $17, 241$ $1, 463$ $27, 206$ $41, 551$ $61$ Quantity supplied per acre	58	Enterprises reporting Enterprises								5 60 9/1
61       Quantity supplied per acre	60	Area supplied primary irrigation		450	9,894				27,206	41,551
62       Enterprises reporting		Quantity supplied per acreQuantity supplied per acre.eet			3.9					1.4
63       Quantity delivered.					-					
64       Area supplied supplemental irrigation       acres.       4,467       996       886       7.1         75       Quantity per irrigated acres       5.8       3.6       7.6       1.2         66       Total quantity per irrigated acres       5.8       3.6       7.6       1.1         1.2       Coat of water to farms for enterprises reporting quantity delivered, 1949:3       3.6,734       975       29,050       21,980       4,168       52,536       79,195         67       Coat of water to farms for enterprises reporting quantity delivered, 1949:3       3.6,734       975       29,050       21,980       4,168       52,536       79,195         68       Average cost per acre-foot.	63	Quantity deliveredacre-feet	25,790							909
66       Total quantity per irrigated acre <sup>5</sup>	64	Area supplied supplemental irrigation	4,467		996		886			731
Cost of water to farms for enterprises reporting quantity delivered, 1949; <sup>3</sup> 67       Cost for primary irrigation	66 66									1.2
67       Cost for primary irrigation		Coat of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>								
69       Cost for supplemental irrigation		Cost for primary irrigationdollars								79,195
70       Average cost per acre-foot		Cost for supplemental irrigationdollars								700
71       No water measuredenterprises reporting       69       3       21       8       32       10       3       6         72       acres irrigated       23,436       860       5,931       3,081       5,740       4,968       5,000       38,045         73       Part of water measuredenterprises reporting       6		Average cost per acre-footdollars								0.77
73         Part of water measuredenterprises reporting         6         2         26         1            74         acres irrigated         9,281         2,840          8,542         21,079            75         All water measured		Measurement of water to farms, 1949: <sup>3</sup>	1 ~			-				
73         Part of water measuredenterprises reporting         6         2         26         1            74         acres irrigated         9,281         2,840          8,542         21,079            75         All water measured	72	acres irrigated.								38,045
75 All water measured 13 1	73	Part of water measured enterprises reporting	6		2		26		1	
76 acres irrigated. 18,870 5,342 8,004 1,127 4,237	75	All water measured All water measured	39		9		13		1	i
	76	acres irrigated.,	18,870		5,342		8,004		1,127	4,237

<sup>1</sup>Data for less than 3 enterprises shown with permission of the enterprise. <sup>2</sup>For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State. <sup>3</sup>For intercounty and interstate enterprises, data represent characteristics within the county or State. <sup>4</sup>For intercounty and interstate enterprises, data represent characteristics of the entire enterprise. <sup>5</sup>Calculated average quantity of water per scre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

Powel 1	Prairie	Ravalli	Rosebud	Sanders	Silver Bow	Still- water	Sweet Grass	Teton	Treasure	Valley	Wheatland	Yellow- stone	All other counties	
32 14,542	3 4,920	219 88,212 2	5 13,063	6 10, 157 1	3 1,290	59 25,814 1		10 72,475	3 8, 121	5 29,647	11 9,075	30 93,432	7 37,472	
20 9,301	3 4,920	182 200 82,902	2 3,286	10,000 6 10,157	1,010	30 53 18,745	38	5 64,336	1 4,000	2 8,100	8 3, 390	21 68,113	7 37,472	
32 14,542	3 4,920	209 84,831 9 3,320	5 13,063	6 10,157	3 1, 290	57 23,719	44 25,852	8 64,436 1 400	2 7, 221	5 29,647	11 9,075	24 86,738 1 650	7 37,472	
•••••		1 61				2 2,095	1	1 7,639	900	•••••		6,044		1 1 1
19 8,288 12	3 4,920	1 198 47,132	1 2 3,286	5 157	2 1,010	54 19,771	1 38 24,473	5 11,314	1 900	2 8,100	8 3,390	22 45,769	5,648	1
6,254 1	•••••	15 41,080 5	9,777	10,000	1 280	6,043	1,379 1	61,161 2	7, 221	21,547	3 5,685	8 47,663	1 31,824	1
23 10,830 6 3,089	3 4,920	132 67,101 67 12,941	4 13,063	3 10,105 3 15	3 1,290	42 21,621 16 3,446	31 21,444 11 2,993	б 16,032 2 52,829	2 4, 121 1 3, 830	4 24,354 1 4,893	10 9,075	23 83,576 6 8,994	6 35,672 1,724 76	1 2 2 2 2
512 2 111	•••••	5,320 14 2,850	· · · · · · · · · · · · · · · · · · ·	37	•••••	652 1 95	1, 171 1 244	3,614	170	400	· · · · · · · · · · · · · · · · · · ·	817 1 45	76	22
1 25 6	······	6 127 67 11	1 1 1	4 1	2 1	21 30 5	2 24 13 6	2 2 1 2		 2 1	7 3	2 8 7	4	21 21 29 30
	1 1	6 1 1	2	1		2 1		2	2 	1 1 		9 1 3	2	30 31 32 33
1 5 20 6	1	6 60 143 7	1 1 1	5	3	11 39 6	2 9 28 5	2 2 2	1	1	10	3 14 5	1 3 1	34 31 31 31
•••••	1 1	1 2	2	1		2 1	1 	3	2	3	1	4 4 	i i	30 39 40
26 13 114, 874	3 75 61,457	195 38 531,855	4 5 97, 100	2 2 223,918	3 4 11,992	39 35 256,156	18 12 119,821	10 17 307,103	3 10 63,983	5 6 37 5, 792	4 6 36, 826	30 33 692,890	7 8 267,253	4 4 4 4
26 114,874	3 61,457	195 524,627	4 97,100	2 223, 918	3 11,992	37 240,883	18 119,821	9 288,103	2 60,650	5 375,792	4 36,826	24 667,656	7 267,253	4 4 4 4 4
26 24, 468	3 22,964	8 7,228 180 101,563	4 25,029	2 89,331	 3 2,222	2 15,273 39 45,093	 16 26, 571	2 19,000 9 116,383	1 3, 333 3 14, 793	4 118,022	3 4,425	6 25,234 30 182,617	7 115,615	48 49 50 51
25 71,844 10	3 38,493	190 406,036 12	4 61,680 2	2 134, 587	3 8,170 1	39 173,205 4	18 91,240 1	8 163,550 5	3 44, 150 2	5 61,242 3	4 20,415 3	30 456,769 8	7 149,838 1	1 54
1		20,756 1 3,500			1, 600	37,791 1 67	2,010	26,970 1 200	5,040	195, 528 1 1,000	11,986	43, 380 2 124	1,800	55 56 57
23 70,901 11,682 6.1	3 10,265 4,920 2.1	180 365,271 76,787 4.8	4 47,650 13,063 3.6	2 14,893 10,050 1.5	3 8,170 1,290 6.3	38 86,509 19,981 4.3	18 88,348 16,198 5,5	8 129,297 68,861 1.9	3 27,254 7,951 3.4	5 33,326 29,247 1.1	3 19,815 7,125 2.8	29 261,299 92,573 2.8	7 93,008 37,396 2,5	60
943 345	2.1	70 40,765 7,123 5.7 5.3	3.6	1.5	6.3	11 873 471 1.9 4.4	3 2,892 325 8.9 5.9	2 6,446 3,614 1.8 2.0	1 426 170 2.5 3.5	1 320 400 0.8 1.1	2.8	7 3,038 862 3.5 2.8	1 121 76 1.6 2.5	62 63 64 65 66
5,141 0,07 26 0.03	20,530 2.00	111,834 0.31 7,504 0.18	56, 194 1. 18	29, 161 1.96	600 0.07	30,410 0.35 340 0.39	17,885 0.20 253 0.09	105,919 0.82 5,266 0.82	21,988 0.81 182 0.43	52,014 1.56 174 0.54	6,976 0.35	256,505 0.98 1,085 0,36	149,332 1.61 120 0,99	68
5,413 2	3 4,920			·····1	3 1,290	47 16,606 2 1,434 5 6,664	38 22,708 1 700		3 8,121	3 5, 485 2 24, 162	8 3,390 1 5,535 2 150	22 44,909 1 8,118 7 40,405	3 745 3 36, 277	123

# County Table 3 --- ACREAGE IRRIGATED, BY DRAINAGE BASIN ORIGIN OF WATER, AND BY COUNTIES

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

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BOAR COMMANY

	Item (For definitions and explanations, see text)	The State	Beaver- head	Big Horn	Blaine	Broad- water	Carbon	Carter	Cascade	Chouteau	Custer
1	Irrigated land, 1949acres.	1,808,576	252,563	55,739	47,897	40,118	86, 166	3, 133	33, 273	7,527	26, 239
	Area irrigated direct, by drainage basin origin of water, 1949: <sup>1</sup>										
2	All basinsacres.,	1,928,984	269,584	66,516	78,826	42,939	87,945	3,133	33, 273	7,527	26, 281
3	North Pacific Coast: Columbia above Snake River(I-C)acres	368,570									
4	Clark Forkacres	364, 066		••••							
5	Clark Fork direct (8a and b)acres.	105,225		• • • • • • • • • •					•••••		
6	Flathead River,acres,	107,813							•••••		•••••
7	Flathead River direct (8c and d)scres Little Bitterroot River (8e)	96,138 11,675			····						
9	Bitterroot River (8f)acres.	119,008									
10	Blackfoot River (8g)acres	32,020									
11	Kootenai River (9)acres	4,504									
12	Mississippi River, totalacres	1,560,414	269, 584	66, 516	78,826	42,939	87,945	3, 133	33,273	7,527	26,281
3	Missouri River below Three Forks excluding	1,000,414	209,304	00,010	10,020	42,939	01,940	5,150	33,215	1,021	20,201
	Yellowstone River (VI-C)acres,	548,736		· · · · · · · · · · · ·	78,826	42,767		3, 133	33, 273	7,527	
14	Missouri River direct (1a, b, and c)acres	99,597			829	42,767		3, 133	2,234	5,450	
15	Milk River,acres,	144,322	••••••	• • • • • • • • • •	77,997		•••••			814	
16	Milk River direct (6a and b)acres. Upper Beaver Creek (6c)acres.	143, 511			79,997					814	
17 18	Musselshell Riveracres.	811 62,873					····				
9	Musselshell River direct (7a)acres	48,342					,				
20	Box Elder and Flatwillow Creeks (7b)acres	14, 531									
1	Judith River (8)acres	9,248									
2	Marias Riveracres	94,897								1,263	
3	Marias River direct (9a)acres	60,094								276	
4	Teton River (9b)acres.	34,803					,			987	
25	Sun River (10)acres	111,465		]		]			29, 389		]
26	Smith River (11)acres	26,334							1,650	•••••	
27	Yellowstone River excluding Big Horn River (VI-F)acres	435,107		2, 473			86,362				26,281
28	Yellowstone River direct (ls, b, c, and d)acres	260,555		1,392							10,566
9	Powder River (2a)acres	7,031		• • • • • • • • • •			· · · · · · · · · · · · · · ·				2,895
30	Tongue River (3a)acres	17,782		1,081							12,820
31	Clarks Forkacres Clarks Fork direct (4a)acres	84, 317	·····		••••		83,786			•••••	• • • • • • • • •
32	Red Lodge Creek (4b)acres	33,533 50,784					33,002 50,784			•••••	
34	Stillwater Riveracres,	22, 384					2,576				
35	Stillwater River direct (5a)acres Fishtail Creekacres	11,265					2.576				
37	Fishtail Creek direct (5b)acres.	5, 334					2,010				
38	East Rosebud Creek (5c)acres.,	5, 334					2,576				
39	Boulder River (6)acres.	14, 205									
£0	Shields River (7)acres	28,833									
41	Big Horn River (VI-G)acres.	66,816		64,043			1,583		1		
12	Big Horn River direct (la)acres.	51,695		49,140			1, 365				
13	Little Horn River (2)acres	14,903		14, 903							
14	Shoshone River (3)acres	218					218				
5	Missouri River Headwaters above Three Forks (VI-H)acres	509,755	269,584			172					
16	Jefferson Riveracres	196,915	116,007			172					
17	Jefferson River direct (1a)acres	34,555			<i>.</i>	172					
8	Boulder River (1b)acres.	20,454									
19	Big Nole River (1c)acres.	141,906									
i0 51	Beaverhead Riveracres Deaverhead River direct (ld)	202,808 107,146	153,577 95,230								
52 j	Ruby River (1e),acres.	36, 365				1			]		
53	Ned Rock Creek (1f)acres.	59,297	58, 347								
					l				l		
54 55	Madison River (2)acres., Gallatin River (3)acres.	37,190			•••••						
	WALLALIN NIVER (3)	72,842	H	1			1		1	1	1

See footnote at end of County Table 3

#### IN WHICH ACREAGE WAS LOCATED: CENSUS OF 1950

Tributaries not shown separately are included in the portion of the basin designated "direct"]

Daniels	Dawson	Deer Lodge	Fallon	Fergus	Flat- head	Gallatin	Garfield	Glacier	Golden Valley	Granite	Nill	Jefferson	Judith Basin	Lake	Lewis and Clark	Liberty	Lincoln
1,026	12,806	20,123	519	11,050	4,119	82,919	1,008	14,794	3, 674	31,879	3,722	25,951	5,722	86, 453	33, 154	1, 665	3, 857
1,026	12,806	21,036	519	11, 220	4,462	91,428	1,008	14,794	3,854	33,178	3,722	26,715	5,722	89,497	33, 890	1,665	4,484
• • • • • • • • • •		13,201			4,462		·····			33,178				89,497	2,658	••••	4, 484
		13,201			4,442					33,178				89, 497	2,658		
		13,201			890		•••••			33,178							
•••••					3,552		• • • • • • • • •			•••••				89,497	··· <b>···</b> ·	• • • • • • • • •	
	•••••	••••			3,552		•••••			• • • • • • • • •		• • • • • • • • •	•••••	89,100		•••••	
														397			
		. <i>.</i>		]											2, 658		
					20												4,484
1,026	12,806	7,835	519	11,220		91,428	i,008	14,794	3,854		3, 722	26,715	5,722		31,232	1,665	
1,026	25		180	11,220	····	529	1,008	14,794	3,854		3, 722	777	5,722		31,232	1, 665	
1,026	25	•••••	180	685		529	470					777	2,649		19,550		<b></b> .
•••••		•••••								•••••	3,722	•••••	•••••		····· ¦	1, 275	· · · · <b>· · · · ·</b>
••••••	••••	•••••	• • • • • • • •	•••••	•••••	•••••	•••••	•••••		•••••	3,722		•••••			1,275	• • • • • • • • •
		•••••		4,360	••••••		538		3,854		•••••		• • • • • • • • •			•••••	
							538		3,854								
••••		•••••		4,360									·····				
				6,175									3,073				
								14,794								390	
		•••••					• • • • • • • • •	14,794								390	• • • • • • • • •
•••••														• • • • • • • •			· • • · · • • • • •
•••••			•••••				••••••				••••		• • • • • • •		11, 682	·····	•••••
••••••	•••••								••••	•••••			••••••	• • • • • • • •		•••••	•••••
••••••	12,781 12,781		339 339			2,347	••••••			•••••	•••••					·····	•••••
	12,101	•••••	209				•••••			••••••				• • • • • • • •	••••••	• • • • • • • • •	••••
·····																	· · · · · · · · · ·
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•••••						2, 347											
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•••••	•••••	•••••	•••••					••••••	·····		••••••	••••	••••••		••••••	1	• • • • • • • •
•••••		7,835				88, 552						25,938					••••••
1	•••••	7,835			······	4,909		•••••	•••••		••••••	25,713		•••••		••••••	•••••
				- 1	••••••				•••••			5, 259			•••••		•••••
1	· · · · · · · · · · ·	7,835										20,454			••••••	• • • • • • • • • •	•••••
												225					•••••
			- 1										1	1			
1								•••••			•••••	225					· · · · · · · · ·
· · · · · · ·	1	•					1		1	1							
1	1	•••••			•••••	••••••		••••••		•••••	•••••	• • • • • • • • •				•••••	• • • • • • • •
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#### County Table 3.—ACREAGE IRRIGATED, BY DRAINAGE BASIN ORIGIN OF WATER, AND BY COUNTIES

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

		1	ì					1	Location of		
	جز المعني المعني . (For definitions and explanations, see text)	McCone	Madison	Meagher	Mineral	Missoula	Mussel- shell	Park	Petroleum	Phillips	Pondera
1	Irrigated land, 1949acres.	2, 170	100,752	36,054	985	26,562	6,668	55,132	9,785	32, 372	44,843
	Area irrigated direct, by drainage basin origin of water, 1949:1										
2	All basinsacres.	2,170	112, 178	38,054	985	27,811	6,668	60,091	10, 525	32, 499	45,689
3	North Pacific Coast: Columbia above Snake River (I-C)acres				985	27, 811					
4	Clark Forkacres				985	27,811					
5	Clark Fork direct (8a and b)acres				985	15, 593					
6	Flathead River	• • • • • • • • • •				2,016					
7	Flathead River direct (8c and d)acres	· · <i>·</i> · · · · · · · · · ·		<i></i>	••••	2,016				•••••	
8 9	Little Bitterroot River (8e)acres Bitterroot River (8f)acres.	• • • • • • • • • • •		• • • • • • • • • •	•••••			••••			
10	Blackfoot River (8g)acres.		····	••••	· · · · · · · · · · · · ·	5,600 4,602		••••	••••	•••••	
						4,002				•••••	
11	Kootemai River (9)acres	•••••	••••		•••••	*******	• • • • • • • • • •		• • • • • • • • • •		•••••
12	Mississippi River, totalacres	2,170	112, 178	38,054			6,668	60,091	10,525	32,499	45,689
13	Missouri River below Three Forks excluding Yellowstone River (VI-C)acres	2,170		38,054			6,668		10.525	32,499	45,689
14	Missouri River direct (la, b, and c)acres	2,170		3,604		•••••	0,000		10,525	2,088	43,089
15	Milk Riveracres									30,411	
16	Milk River direct (6a and b)acres		. <i></i>		•••••	•••••	• • • • • • • • • •			29,600	
17	Upper Beaver Creek (6c)acres	•••••		•••••			•••••		<i>.</i>	811	•••••
18 19	Musselshell Riveracres Musselshell River direct (7a)acres	• • • • • • • • • •		9,766			6,668		10,525	•••••	•••••
20	Box Elder and Flatwillow Creeks (7b)acres.	•••••		9,766		•••••	6,268 400		754 9,771		
21							400		9,771		
21	Judith River (8)acres Marias Riveracres			• • • • • • • • • •	•••••	• • • • • • • • • • •					
23	Marias River direct (9a)			•••••						••••	45,689 42,189
24	Teton River (9b)acres.										42,189
25	Sun River (10)										
26	Smith River (11)acres			24,684		· · · · · · · · · · · ·					
27	Yellowstone River excluding Big Horn River (VI-F)acres							60,091			
28	Yellowstone River direct (la, b, c, and d)acres.							33,605			
29	Powder River (2a)acres										
30 <sup>°</sup>	Tongue River (3a)acres.	••••••						· · · · · · · · · · · ·			•••••
31 32	Clarks Forkacres Clarks Fork direct (4a)acres	•••••	• • • • • • • • • •		•••••	•••••				••••	• • • • • • • • • •
33	Red Lodge Creek (4b)acres.			•••••	• • • • • • • • • • •				• • • • • • • • • •	• • • • • • • • • • •	
34	Stillwater Riveracres								• • • • • • • • • • •		
35	Stillwater River direct (5a)acres.	•••••			•••••						
36	Fishtail Creekacrcs								• • • • • • • • • •		
37	Fishtail Creck direct (5b)acres										
38	East Rosebud Creek (5c)acres										
39 40	Boulder River (6)acres										· • • • • • • • • • • • • • • • • • • •
40	Shields River (7)acres	••••••			•••••	•••••		26,486	•••••		•••••
41	Big Horn River (VI-G)acres.										•••••
42	Big Horn River direct (1a)acres.						•••••	•••••			•••••
43 44	Little Norn River (2)	•••••	••••			•••••	•••••		•••••		•••••
				•••••		• • • • • • • • • • • •		•••••		• • • • • • • • • •	•••••
45 46	Missouri River Headwaters above Three Forks (VI-H)., acres Jefferson Riveracres		112,178				•••••				•••••
47	Jefferson River direct (1a)acres.		36,783 23,832			· · · · · · · · · · · · · · ·	•••••				••••
18	Boulder River (1b)acres.		25,032								
49	Big Hole River (lc)acres		12,951								
50	Beaverhead Riveracres		49,006								
51	Beaverhead River direct (1d)acres		11,916	*				····			
52 53	Ruby River (le)acres Red Rock Creek (lf)	•••••	36,140				••••••		•••••		• • • • • • • • • •
			950	•••••	•••••		•••••				••••••
54	Madison River (2)acres		26, 389								•••••
55	Gallatin River (3)acres.			1							

<sup>1</sup>Acreage irrigated direct to 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.

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#### IN WHICH ACREAGE WAS LOCATED: CENSUS OF 1950-Continued

Tributaries not shown separately are included in the portion of the basin designated "direct"

Powder River	Powell	Prairie	Ravalli	Richland	Roose- velt	Rosebud	Sanders	Silver Bow	Still- water	Sweet Grass	Teton	Toole	Treasure	Valley	Wheat- land	lellow- stone	All othe counties
5,410	61,315	5,720	104,055	35,161	2,899	20,556	14,775	7,592	28, 483	38,954	98, 286	1,685	11,140	36,829	27,048	96,199	50
5,410	61,968	5,720	113, 408	35, 161	2,975	20,556	14, 822	7, 592	29,515	41,062	101,900	1,685	11,310	37,973	27,048	97, 109	50
	61,968		113,408				14,822	2,096									
	61,968		113,408				14,822	2,096									
	37,208						2,074	2,096									
<i>.</i>			•••••				12,748						• • • • • • • • •	······	••• <b>•••</b> •		· · · · · · · · ·
••••	•••••		•••••				1,470				•••••		····		• • • • • • •		••••••
•••••	•••••	•••••	113,408		•••••		11,278		******	••••••	••••	•••••		• • • • • • • • •	•••••	· • • • • • • • • • •	
	24,760																
5, 410		5,720		35, 161	2,975	20,556		5,496	29,515	41,062	101,900	1,685	11,310	37,973	27,048	97, 109	50
				106	2,975	114					101,900	1,685		37, 973	27,048		50
				106	2,975									8,300			50
			••••				•••••					430		29,673		•••••	
				•••••					,			430		29.673		•••••	••••••
	•••••			••••	•••••		•••••	•••••	••••••	·····			•••••			••••	•••••
•••••	•••••			•••••		114			•••••				•••••		27,048 27,048	•••••	·····
	••••••			*******	•••••	114									£1,V40		
	•••••	•••••			• • • • • • • • •	•••••	•••••	•••••			31,506	1,255				••••••	•••••
											1,190	1,255					
											30,316						
•••••	•••••							•••••			70,394					· · · · · · · · · · ·	•••••
										• • • • • • • •	•••••					••••••	· · · · · · · · ·
5,410	·····	5,720		35,055		20,442			29,515	41,062			11,310			95,919	· · · · · · · · ·
• • • • • •		5,720		35,055		17,835			9,707	26,857			11,310		. <b></b> .	95, 388	
4,136														•••••	<b></b>	••••	•••••
1,274	••••••				•••••	2,607	•••••	•••••								531	••••••
			•••••					• • • • • • • • •								531	
								.,									
							1		19,808	Į							
									11,265								
	[								8,543								
									5,334	· · · · · · · · [							· • · · · • • • • •
••••••		•••••							3, 209		•••••			· · · · · · · ·			•••••
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	4	(													1		

#### 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,

				North Pacific	Coast: Columb	ia above Snake	River (I-C)	
						Clark Fork		
							Flathes	d River
	Item (For definitions and explanations, see text)	The State	Total	Total	Clark Fork direct below Missoule (8a)	Clark Fork direct above Missoula (8b)	Total	Flathead River direct below Polson (8c)
F	ALL ENTERPRISES				(04)	(00)	<u> </u>	(00)
F	arms and land irrigated: All irrigation enterprises	5,393 5,555 25	1,626 1,801 2	1,565 1,639 2	(*) <sup>178</sup>	(*) <sup>385</sup>	343 297 2	(*) 1
	Farms irrigated direct per enterprise <sup>1</sup> farms 1950 Irrigated land <sup>2</sup> acres 1949 acres 1939 Average per enterprise Average acreage irrigated direct per enterprise <sup>1</sup> acres 1949	3,1 1,808,576 1,711,409 335 348	3.2 351,042 341,873 216 227	3.2 347,165 334,710 222 233	2.5 16,796 22,337 94 100	1.4 84,647 83,601 220 227	5.8 104,701 84,888 305 314	10 87,8 65,4 6 6
Ty	npe of enterprise, 1950: Single-farmenterprises	4, 159	1,229	1, 179	159	321	287	1
	acres irrigated Unincorporatedenterprises	725, 543	132, 402 343	130, 565	8,833	58, 733 58	10,846	6,4
	acres irrigated	323, 918 158 339, 246	77,219 23 19,012	76,607 22 18,930	11 974 4 3, 192	17, 363 4 5, 439	5, B12 3 656	4, 3 ( <sup>3</sup> )
	Commercialenterprises acres irrigated Districtacres irrigated acres irrigated	3 528 39 236,790	( <sup>3</sup> ) 20 32, 508	 19 30,608	2 ( <sup>3</sup> )	1 ( <sup>3</sup> )	1 ( <sup>3</sup> )	
4	U. S. Bureau of Reclamation <sup>4</sup> enterprises acres irrigated.	38,568	1 200	1 200	1			
	U, S. Bureau of Indian Affairs <sup>4</sup> acres irrigated acres irrigated	158, 106	200 1 89, 499	200 1 89,499	200	•••••	1 89,499	79,4
	Stateenterprises acres irrigated Cityacres irrigated acres irrigated acres irrigated.	29 51,752 ( <sup>3</sup> )	7 17,207 1 ( <sup>3</sup> )	17,207 ( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> ) 1		
Use	e of surface, ground, pumped and stored water, 1949:						•••••	
	Surface water: Gravity onlyacres reporting acres irrigated.	4,429 1,529,943	1,383 262,687	1,324 258,270	131 14, 621	367 83,607	216 13,983	1 8,6
	Pumped onlyenterprises reporting acres irrigated Gravity and pumped	719 104,582 133 231,634	166 8,604 32 94,680	164 8,517 32 94,680	27 1,758 9 769	1, 157 1, 759	108 3, 272 4 89, 659	1,5 79,5
	Ground water only (pumped from wells)enterprises reporting.	55	30	30	6	3	12	
	acres irrigated Surface (gravity or pumped) and ground waterenterprises reporting scres irrigated	1,082 57 7,660	236 15 2, 363	236 15 2,363	73 5 594	46 5 841	44 3 855	-
	None storedacres reporting Part storedPart stored	4,800 1,293,513 362	1,484 218,294 98	1,430 216,031 94	168 17,352	356 66,611	317 15,450	10,
	ocres irrigated All storedacres irrigated acres irrigated	372,668 231 208,720	145, 447 44 4, 829	143, 375 41 4, 660	443 3 20	21 18,978 8 1,821	18 92,001 8 362	BO, 3
Sou	urces of surface water, 1949: <sup>5</sup>							
	Streams (and lakes)acres reporting acres irrigated Springsenterprises reporting acres irrigated	5,091 1,858,449 344 49,143	1,474 363,071 132 9,097	1,416 358,680 124 8,736	166 17,529 16 1,035	361 86,775 27 2,680	281 106,311 53 935	1 90,1
	Flowing wells	46 4, 956	26 3, 175	26 3,175		1 80	22 850	
	arres irrigaten Drainage wateracres irrigated acres irrigated	40,861	66 30, 688	5, 173 66 30, 688	5 428	12 4,847	830 5 307	
	Sewageenterprises reporting acres irrigated Other sourcesenterprises reporting	8 1,797	6 1,558	6 1,558		3 1,027		
	acres irrigated Ninage of irrigated land: <sup>6</sup> Irrigated land drained:			••••		•••••	•••••	••••••
	Enterprises reportingartes 1949 Area supplied primary irrigationartes 1949 Area artificially drainedartes 1949 arces 1939	377 582, 395 189, 497 146, 322	154 121,728 82,986 2,134	153 121,645 82,966 2,034	5 657 155 (*)	54 20,878 2,513 (*)	11 77,496 77,386 760	77,1 77,0 (*)
	Irrigated land in need of drainage: Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area in need of drainageacres 1949 acres 1949 acres 1949	714 730,648 182,614	319 163, 480 87, 785	313 163,272 87,759	17 4,719 2,552	98 28,657 3,736	25 78,644 76,476	77,6 76,1

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

#### CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

North Paci		·····	ve Snake Rive	r (I-C)-Con.	-		Miss			forks excludi	ng Yellowsto	ne River (V	Л-C)		Ĵ
		rkContinue	d	4				Missouri F	liver direct		ļ	Milk	River		
Flathead I Upper Flathead River direct pove Polson	Little Bitterroot River	Bitterroot River	blackfoot River	Kootenai River	Mississippi River, total	Total	Total	below Fort Peck Dam	Fort Peck to Holter Dam	Holter Dam to Three Forks	1	Milk River direct below Lohman	Milk River direct above Lohman	Upper Beaver Creek	
(8d)	(8e)	(18)	(8g)	(9)		ļ		(la)	(1b)	(1c)	ļ	(6a)	(6b)	(6c)	
(•) <sup>173</sup> 2	36 35 1				3,768 3,759 24	1,404 1,536 8	(*) <sup>480</sup>	(*) (*)	(*)	(*)	(*) <sup>292</sup> (*)	(*) <sup>229</sup>	(*) <sup>55</sup> 2	8	9
1.8 5,164 10,606 30 30	6.5 11,675 8,862 324 324	3.6 109,260 113,822 196 213	31,761 30,062 314		3.1 1,457,534 1,369,536 387 400	2.7 506,661 495,279 361 368	1.7 99,062 79,486 206 214	2,2 19,130 5,756 255 257	1.0 23,293 32,356 143 145	2.0 56,639 41,374 233 246	3,3 112,162 110,673 384 389	3.9 105,028 91,119 459 465	1.4 6,323 11,804 115 ]] <sup>c</sup>	1.0 811 7,750 90 90	
148 2,737	34 1, 620	325 27,767	87 24, 386	50 1,837	2,931 593,141	1,232 192,649	411 54, 504	71 7,218	156 21,120	185 26, 166	270 21,913	211 16,894	51 4,208	8 811	
22 1,428 1 ( <sup>3</sup> )	( <sup>3</sup> ) <sup>1</sup>	202 45,624 11 9,643		( <sup>3</sup> )	651 246, 699 135 320, 234	124 40,074 20 71,910	59 18,982 4 7,125	( <sup>3</sup> )	1,709 ( <sup>3</sup> )	52 16,823 3 6,345	8 1,265 5 10,450	6 947 4 9,433	$\binom{3}{3}^{1}$	( <sup>3</sup> )	
( <sup>3</sup> )		15 24, 242		( <sup>3</sup> ) ( <sup>3</sup> )	( <sup>3</sup> ) 19 204, 282	( <sup>3</sup> ) 9 116,681	( <sup>3</sup> )	( <sup>3</sup> )			5 30,773				
1	1 10,000	· · · · · · · · · · · · · · · · · · ·	·····	· · · · · · · · · · · · · · · · · · ·	2 38,368 6 68,607	2 38,368 4 38,901	1 9,800	1 9,800	· · · · · · · · · · · · · · · · · · ·		2 38,368 2 10,780	2 38,368 1 10,000	1 1 780		
		11,282 1 ( <sup>3</sup> )	( <sup>3</sup> )	· · · · · · · · · · · · · · · · · · ·	22 34, 545 	12 18,278	4 10,815	( <sup>3</sup> ) 1	······································	3 10,346 	· · · · · · · · · · · · · · · · · · ·	·····	·····		
81 3,709 78 1,345 3 98	33 1,585  1 10,000	511 114, 369 22 2, 220 14 2, 273	99 31,690 1 110 1 220	59 4,417 2 87	3,047 1,267,256 553 95,978 101 136,954	964 405,649 348 45,423 49 63,141	374 80,520 64 7,683 8 12,177	42 5,863 31 2,275 2 11,108	128 20, 123 27 2, 442 6 819	204 54,534 6 2,966 1 250	89 34, 344 175 30, 297 25 48, 811	55 29,108 151 28,695 20 48,515	26 4,531 24 1,602 5 190	8 705 1 106	
10 18 1 70	1 25 1 65	9 73 2 73		·····	25 846 42 5, 297	13 361 30 2,697	10 256 24 1,899		2 225	10 256 22 1,674	1 7 2 90	1 7 2 90	· · · · · · · · · · · · · · · · · · ·		
162 3,803 9 1,402 2 35	29 1,451 6 10,212 1 12	495 87,001 42 30,350 21 1,657	94 29,617 6 1,603 1 800	54 2, 263 4 2, 072 3 169	3, 316 1, 075, 219 265 227, 221 187 203, 891	1, 153 238, 475 110 87,920 141 190, 876	393 79,823 35 19,407 52 3,305	41 5,482 6 11,711 28 2,053	127 19,905 13 2,527 23 1,177	226 54,436 16 5,169 1 75	229 25,565 23 27,646 40 60,338	190 21,931 16 25,395 23 59,089	32 2,856 7 2,251 16 1,216	7 778 2 33	
148 5, 183 37 334	17 10,930 3 182	509 116, 145 21 1, 198	99 31, 920 7 2, 888	58 4, 391 8 361	3, 618 1, 495, 378 212 40, 046	1, 331 510, 589 70 13, 118	448 99,177 34 9,243	73 19, 196 1 40	154 23, 435 7 3, 275	222 56, 546 26 5, 928	285 113,476 2 34	225 106,381	52 6,284 2 34	9 811	
1 8 1 24	19 790	42 24,976	3 2,245 2 130	· · · · · · · · · · · · · · · · · · ·	20 1,781 65 10,173	13 978 39 3, 254	3 315 10 1,089	 1 10	2 180 7 164	1 135 2 915	3 345 14 426	2 225 7 181	1 120 7 245	• • • • • • • • • • • • • • • • • • •	4445
		3 531	· · · · · · · · · · · · · · · · · · ·		2 239 	1 218 	1 218 			1 218 				· · · · · · · · · · · · · · · · · · ·	
4 301 259 (*)	2 70 65	65 14,289 2,060	18 8,325 852 (*)	1 83 20 100	223 460,667 106,511 144,188	80 194,458 28,537 55,983	18 14,723 6,833 (*)	6 10,078 5,783 (*)	5 1,433 472 (*)	7 3,212 578 (*)	35 77,567 8,648 (*)	33 77,263 8,583 (*)	2 304 65 (*)		
8 588 154 (•)	8 398 135 800	132 32,480 3,093 237	41 18,772 1,902	6 208 26 44	395 567,168 94,829 49,307	116 228,963 37,696 21,920	39 18,448 6,453 (*)	1 9,724 4,345 (*)	9 2,685 852 (*)	29 6,039 1,256 (*)	34 83, 307 22, 654 (*)	27 82,338 22,453 (*)	7 969 201		10

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

重

[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

	Interbasin enterprises are counted in each drainage basin in whic	<del></del>						
				elow Three Fork	s excluding Yel	lowstone River	·····	
			Musselshell Ri	ver			Marias Rive	r
	Item (For definitions and explanations, see text)	Total	Musselshell River direct	Box Elder and Flat- willow Creeks	Judi th River	Total	Marias River direct	Teton Ríver
			(7a)	(7b)	(8)		<u>(9a)</u>	(9b)
	ALL ENTERPRISES							
1 2 3	Farms and land irrigated: All irrigation enterprises	275 255 1	200 168 1	76 87 1	68 66	127 198 2	67 97 2	61 101 1
4 5 6 7 8	Farms irrigated direct per enterprise <sup>1</sup> farms 1950. Irrigated land <sup>2</sup> acres 1949. Average per enterpriseacres 1939. Average acreage irrigated direct per enterprise <sup>1</sup> acres 1949.	1,4 61,953 56,460 225 229	1.4 48,562 43,613 243 244	1.4 13,391 12,847 176 186	1.5 9,078 10,320 134 136	5.5 94,007 124,176 740 747	7.7 62,748 71,833 937 949	3,0 31,259 52,343 512 513
	Type of enterprise, 1950:						545	
9 10 11	Single-farmenterprises acres irrigated Mutual: Unincorporatedenterprises.	238 42,162 30	176 33,870 20	62 8,292 10	54 4,896 11	112 20,599 6	59 7,228	13, 371
12 13 14	acres irrigated	11,221 2 ( <sup>3</sup> )	7,425 1 ( <sup>3</sup> )	3,796 2 ( <sup>3</sup> )	3, 187 1 ( <sup>3</sup> )	820 6 47,518	545 2 ( <sup>3</sup> )	( <sup>3</sup> ) 5 10,018
15 16 17	Commercialenterprises acres irrigated Districtenterprises.	( <sup>3</sup> )	( <sup>3</sup> )					••••••
18	acres irrigated					(3)		(3)
19 20 21 22	U. S. Bureau of Reclamation <sup>4</sup> acres irrigated acres irrigated N. S. Bureau of Indian Affairs <sup>4</sup> acres irrigated acres irrigated					1 1 18,321	1 1 18, 321	· · · · · · · · · · · · · · · · · · ·
23 24 25 26	Stateenterprises. acres irrigated. Cityenterprises. acres irrigated.	4 5,927	( <sup>3</sup> ) 2	( <sup>3</sup> ) 2	( <sup>3</sup> ) 2			
	Use of surface, ground, pumped and stored water, 1949: Surface water:							
27 28 29 30 31	Gravity onlyenterprises reporting acres irrigated Pumped only acres irrigated rrigated	206 58,472 54 2,301	147 45,248 42 1,880	60 13,224 12 421	60 8,044 8 1,204	98 93,232 25 1,396	51 62,786 12 539	48 30,446 13 857
32	Gravity and pumpedacres irrigated. acres irrigated.	12 1,669	8 1,183	4 486		4 269	4 269	· · · · · · · · · · · · · · · · · · ·
33 34 35 36	Ground water only (pumped from wells)enterprises reporting acres irrigsted Surface (gravity or pumped) and ground waterenterprises reporting. acres irrigsted	1 8 2 423	1 8 2 423	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
37 38 39	Stored water: Nome stored acres irrigated Part stored	209 43,164 35	161 33,550 22	49 9,614	65 8,381	105 26, 776	51 6,912	54 19, 864
40 41 42	All stored	9,805 31 9,904	8,373 17 6,819	13 1,432 14 3,085	1 134 2 733	8 20,617 14 47,504	18,617 10 38,065	2,000 5 9,439
43	Sources of surface water, 1949: <sup>5</sup> Streams (and lakes)enterprises reporting	268	194	75	60	117	63	55
44 45 46	acres irrigated Springsenterprises reporting. ncres irrigated	62,604 8 459	48,616 7 457	13,988 1 2	8,950 8 312	94, 186 9 1, 220	63, 399 1 120	30,787 8 1,100
47 48 49	Flowing wellsenterprises reporting acres irrigated Drminage waterenterprises reporting.	2 96 9	1 56 4	1 40 5	1 6	3 26 4	3 26 3	
50 51	acres irrigated Sewageenterprises reporting	1,038	235	803		401	385	16
52 53 54	acres irrigated Other sources acres irrigated	·····		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·····	······································	·····
55	Drainage of irrigated land: <sup>6</sup> Irrigated land drained: Enterprises reportingenterprises 1949	7	6	1		10		10
56 57 58	Area supplied primary irrigationacres 1949 Area artificially drainedacres 1949 acres 1939.	5,170 720 25	3,997 670 25	1,173 50		17,782 976 (*)		17,782 976 (*)
59 60 61 62	Irrigated land in need of drainage: Enterprises reportingarterprises 1949 Area supplied primary irrigationacres 1949 Area in need of drainageacres 1939 acres 1939	16 7,986 861 75	11 6,807 763 75	5 1,179 98	(*) 1 727 200	15 46,200 1,690 (*)	8 35,461 605	7 10,739 1,085 (*)

Sec footnotes as end of Drainage Basin Table 1, Part 1.

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

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

orks excludi River (VI-C	er below Three ng Yellowstone )-Continued		·,		Yello	wstone River e	cluding Big H	orn River (VI	-F)			
				Yell	owstone River	direct				ſ	Clarks Fork	
Sun River	Smith River	Total	Total	Below Miles City	Miles City to Billings	Billings to Livingston	Above Livingston	Powder River	Tongue River	Total	Clarks Fork direct	Red Lodge Creek
(10)	(11)			(la)	(1b)	(lc)	(1d)	(2a)	(3a)		(4a)	(4b)
81 96	84 90 2	1,217 1,045 12	(*) 9	(*) <sup>36</sup> 2	(*) <sup>171</sup> 3	(*) 228 (*) 6	(*) <sup>146</sup>	52 25	76 47 1	223 207 2	80 41 2	144 166 1
9.4 106,065 87,025 1,309 1,356	1.0 24,334 27,139 290 290	4.0 423,505 386,907 348 357	5.4 265,737 228,450 459 467	20.0 66,866 33,447 1,857 1,859	5.8 85,626 88,287 501 503	5.3 90,141 84,734 395 404	1.4 23,104 21,982 158 174	0.9 7,031 2,195 135 135	12,725 13,880 167	4.0 82,538 77,252 370 378	6.6 47,632 32,372 595 610	2.5 34,906 44,880 242 247
67 24,691	82 23,884	909 103,121	469 53,299	28 2,954	154 13,295	164 20,277	123 16,773	52 7,031	71 8,550	137 14,716	39 4,859	98 9,857
11 4,599 ( <sup>3</sup> )		214 70,493 76 164,029	63 16,821 32 108,042		4 1,307 6 25,187	37 10, 335 24 58, 297	22 5,179		( <sup>3</sup> ) <sup>1</sup> ( <sup>3</sup> ) <sup>1</sup>	47 17,721 37 51,376	11 4,401 29 39,056	37 13,320 8 12,320
( <sup>3</sup> )	·····	( <sup>3</sup> ) 9 86,989	( <sup>3</sup> ) 9 82,545	3 36,743	( <sup>3</sup> ) 5 45,486	1 ( <sup>3</sup> )	· · · · · · · · · · · · · · · · · · ·	 	 ( <sup>3</sup> )	 ( <sup>3</sup> )	 ( <sup>3</sup> )	
•••••	·····	2 706	1 706		1 706	· · · · · · · · · · · · · · · · · · ·			1	·····	· · · · · · · · · · · · · · · · · · ·	
	( <sup>3</sup> ) 2	6 9,062	4 9,062	( <sup>3</sup> )		( <sup>3</sup> )	( <sup>3</sup> )	· · · · · · · · · · · · · · · · · · ·	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
55 106,703 22 2,542 1 215	84 24, 334	981 318,563 183 48,791 41 66,225	407 161,900 138 43,916 28 64,234	18 7,405 16 28,064 2 31,439	53 42,007 100 13,980 18 30,039	197 87,588 19 1,713 7 2,683	140 24,900 3 159 2 73	45 5, 377 5 994 1 600	46 9,367 19 2,110 9 1,225	197 82,362 20 1,416 3 166	62 47,533 14 1,001 2 136	136 34,829 6 415 1 30
1 90 2 285	•••••	6 151 6 715	5 150 1 320	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	5 150	1 320	1 60	1 1 1 22	3 313	2 90	 1 223
76 32,149 8,594 2 69,092	77 22,617 6 1,717 1	1,117 352,708 74 76,755 26 4,982	543 216,862 17 49,528 19 4,130	23 65,286 4 737 9 885	158 39,975 7 45,396 6 655	220 86,811 6 2,935 2 2,388	143 24,790 1 460 2 202	42 5,276 7 1,233 3 522	67 11,864 7 711 2 150	181 59,269 40 24,808 2 180	64 39,093 15 9,487 1 180	117 20,176 26 15,321 J
75 109, 302 3 143	81 22,894 6 1,707	1,177 432,393 55 5,932	555 269,366 28 3,125	33 66,881 4 296	165 85,409 1 130	216 91,654 8 1,300	143 25,422 15 1,399	52 7,031 1 40	75 12,724 1 34	216 83,718 13 2,161	78 48,330 4 1,242	139 35,388 9 919
1 190 2 300		4 283 16 3,564	1 12 12 2,354		1 12 6 766	4 1,485	2 103	1 6 1 600	· · · · · · · · · · · · · · · · · · ·	265 265 580	2 265 	2 580
		1 21	1 21		1 21	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	 	
10 79,216 11,360 48,046		73 170,835 61,290 66,108	46 152,948 58,467 (*)	6 49,021 11,279 (*)	22 67,231 42,197 (*)	17 36, 455 4,982 (*)	241 9 (*)	(•) 15	1 100 100	17 13,803 1,877 160	8 9,781 1,595	10 4,022 282 160
10 71,545 5,768 1,739	1 750 70	123 177,844 25,334 19,834	50 138,902 20,202 (*)	7 56,416 1,995 (*)	22 69,155 15,279 (*)	19 12,962 2,898 (*)	3 369 30 (*)	4 900 620 (*)	4 867 57	29 26,136 2,401 990	17 23,561 2,219 ( <sup>5</sup> )	13 2,575 182 490

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

88 .....

> SubSection .....

AND DESCRIPTION OF

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. [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,

	[Interbasin enterprises are counted in each drainage basin in whic			stone River excl				
				Stillwater Riv	er			
				Fish	tail Creek dire	ct		
	Item (For definitions and explanations, see text)	Total	Stillwater River direct	Total	Fishtail Creek direct	East Roschud Creek	Boulder River	Shields River
			(5a)		(5Ъ)	(5c)	(6)	(7)
	ALL ENTERPRISES							
1 2 3	Farms and land [rrigated: All irrigation enterprises	101 118 1	46 42	55 76 1	(*) 33 1	(*) 23 1	(*) 30	161 122 J
4 5 6 7 8	Farms irrigated direct per enterprise <sup>1</sup> farms 1950 Irrigated land <sup>2</sup> acres 1949 Average per enterpriseacres 1949 Average acresge irrigated direct per enterprise <sup>1</sup> acres 1949.	3.1 19,780 22,163 196 205	3.0 9,297 7,907 202 208	3.2 10,483 14,256 191 202	2,3 5,000 8,743 152 162	4.3 5,483 5,513 238 252	3.3 9,086 15,889 303 346	1.6 26,608 27,078 165 179
8	Average acreage irrigated direct per enterprise	205	200	202	102	232	340	117
9 10	Single-farmenterprises acres irrigated	50 3,649	24 1,786	26 1,863	18 1,238	8 625	11 995	119 14,881
11 12	Mutual: Unincorporated acrea irrigated	49 15, 511	20 6,255	29 9,256	15 4,096	15 5,160	17 8,537	39 11,868
13 14	Incorporatedacres irrigated	(3) 2	( <sup>3</sup> ) 2				(3) 2	3 2,084
15	Commercialenterprises acres irrigated							
16 17 18	acres irrigated							
19	U. S. Bureau of Reclamation <sup>4</sup> acres irrigated,							
20 21 22	U. S. Bureau of Indian Affairs <sup>4</sup>						•••••	·····
23 24	Stateenterprises acres irrigated							·····
25 26	Cityenterprises acres irrigated		•••••			••••••		•••••
	Use of surface, ground, pumped and stored water, 1949: Surface water:							160
27 28 29 30	Gravity only Gravity only	101 20,707	46 9,588	55 11,119	33 5, 334	23 5,785	30 10,372	160 28,478 1
30 31 32	acres irrigated Gravity and pumpedacres irrigated acres irrigated			·····	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	355
33 34	Ground water only (pumped from wells)enterprises reporting acres irrigated							
35 36	Surface (gravity or pumped) and ground waterenterprises reporting acres irrigated							•••••
37 38	Stored water: Nome stored acres irrigated acres irrigated	100 20,687	45 9,568	55 11,119	33 5, 334	23 5,785	30 10,372	159 28, 378
39 40	Part storedacres reporting acres irrigated	1 20	1 20			•••••	· · · · · · · · · · · · · · · · · · ·	455
41 42	All storedacres irrigated.					•••••		
43	Sources of surface water, 1949: <sup>5</sup> Streams (and lakes)	96 20,502	42 9,413	54 11,089	32 5, 304	23 5,785	28 10,242	160 28,810
44 45 46	acres irrigated Springsenterprises reporting acres irrigated	20,502 7 219	9,413 7 219		5,304	e, (65	10, 242 3 140	213
47	Flowing wells,acres irrigated,.							
48 49 50	acres irrigated Drainage waterenterprises reporting acres irrigated	1 30		1 30	1 30			••••••
51 52	Sewage,enterprises reporting acres irrigated							
53 54	Other sourcesarterprises reporting acres irrigated							
55 56	Drainage of irrigated land; <sup>6</sup> Irrigated land drained: Enterprises reportingarres 1949 Area supplied primary irrigationacres 1949	8 3,688	3 1,973	5	5		1 221	
57 58	Area artificially drained	731 273	531	200	(*) 200	(*)	(*)	
59 60 61 62	Enterprises reportingacres 1949. Area supplied primary irrigationacres 1949. Area in need of drainageacres 1949.	5,306 718	2, 248 378	340	12 2,674 298 (*)	2 384 42 (•)	5 1,522 360 (*)	14 4,211 976 (*)

Not available. Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise. Farms and acreage irrigated direct by 2 or more enterprises is counted only once. Acreage for 1939 is estimated acreage within revised drainage basin boundaries. JEata for less than 3 enterprises shown separately. Units for less than 3 enterprises shown with permission of the enterprise. Finterprises reporting water free more than 1 source are counted for each. For interlain and interstate enterprises, data represent characteristics within the dreinage basin or State,

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

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

	Big Horn	River (VI-G)	1		1		Missouri	River Headwa		hree Forks (	VI-H)		1		4
							1	Jeffers	on River	Bassanh	ad River		1		
Total	Big Horn River direct	Little Horn River	Shoshone River	Total	Total	Jefferson River direct	Boulder River	Big Hole River	Total	Beaverhead River direct	[	Red Rock Creek	Madison River	Gallatin River	
	(1a)	(2)	(3)			(la)	(1b)	(lc)		(1d)	(le)	(1f)	(2)	(3)	
56 40 1	25 13 1	28 18 1	4 9	1,094 1,138 6	806 834 5	147 152 2	92 86	196 217 1	371 379 2	(*) <sup>174</sup>	102 148	(*) <sup>96</sup> 2	136 74 3	155 230 1	1
10.3 55,333 56,323 988 1,020	16.0 41,658 44,294 1,666 1,679	6.1 13,457 10,965 481 533	1.0 218 1,064 54 54	2.2 472,035 431,027 431 455	1.8 370,805 319,144 460 481	2.6 31,489 35,079 214 230	1.8 19,915 15,974 216 222	1.4 132,046 124,932 674 697	1.7 187,355 143,159 505 529	1.6 107,607 83,473 618 642	2,2 29,997 28,570 294 319	1.2 49,751 31,116 518 543	1.7 34,249 24,234 252 277	4.7 66,981 87,649 432 468	L
47 7,382	18 2,878	26 4, 363	3 141	744 289,989	567 265,947	89 11,621	60 9,854	154 107,636	264 136,836	125 80,941	67 12,866	73 43,029	101 18,099	78 5,943	
	5 18,562	1 (3)		313 136, 132 33 64, 179	221 94,373 14 19,773	54 16,801 3 5,377	28 8,622 4 1,978	42 29,020	97 39,930 7 12,418	43 18,302 6 12,418	32 12,501	9,127 9,127 ( <sup>3</sup> )	30 13,715 5 5,841	63 28, <b>944</b> 14 38,565	
<sup>2</sup>	 ( <sup>3</sup> )		1 ( <sup>3</sup> )					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			·····	·····		
1 29,000	1 20,000	 9,000										·····			
	· · · · · · · · · · · · · · · · · · ·	·····	· · · · · · · · · · · · · · · · · · ·	4 7,205	4 7,205	( <sup>3</sup> ) <sup>1</sup>	· · · · · · · · · · · · · · · · · · ·		3 7,205		7, 205				
39 56,395 11 585 3 56	17 41, 509 6 394	19 14,668 5 191 3 56	4 - 218 	1,065 486,649 11 1,179 9 7,532	785 381,458 6 868 7 2,847	135 31,899 4 268 2 95	88 18,462 1 300 2 1,614	194 135,671 2 985	368 195,426 1 300 1 153	172 110,998 1 153	102 32,572	95 51,856 1 300	130 33,424 3 126 2 4,085	152 71,767 2 185 1 600	
2 14 1 60	1 12 1 60	1 2	· · · · · · · · · · · · · · · · · · ·	4 320 5 1,825	4 320 4 1,805	3 242 3 1,295	1 78	· · · · · · · · · · · · · · · · · · ·	1 510	 1 510			 1 20	· · · · · · · · · · · · · · · · · · ·	
49 27,768 4 29,287 3 55	22 21,845 2 20,110 1 20	25 5,882 1 9,000 2 35	2 41 2 177	999 456,268 78 33,259 17 7,978	720 348,962 72 30,632 14 7,704	122 25,961 20 7,486 5 352	77 16, 617 13 3, 837 2	195 136,606 1 50	326 169,778 38 19,259 7 7,352	154 102,021 17 9,493 3 147	91 20,788 8 4,579 3 7,205	1	12836,1041,2772274	153 71,202 1,350 1	
52 57,026 7 1,525	23 41,943 2 1,155	26 14,865 4 330	4 218 1 40	1,061 495,370 80 19,471	777 385,217 69 19,155	135 33,253 21 1,779	82 19, 492 16 2, 101	193 136,539 6 312	367 195,933 26 14,963	171 111,505 13 7,498	102 32,572 1 30	95 51,856 12 7,435	135 37,651 4 36	152 72,502 7 280	
1 400 2 240	1 400_ 1 20	1 220	· · · · · · · · · · · · · · · · · · ·	2 120 8 3,115	2 120 6 1,507	1 120 1 152	1	<sup>2</sup> 195	3 1,160	2 760	1 400	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	2 1,608	
· · · · · · · · · · · · · · · · · · ·								· · · · · · · · · · · · · · · · · · ·		······	•••••		•••••	••••••	
8 25,906 11,069 21,752	5 18,229 10,882 21,368	2 7,600 110 384	1 77 77	62 69,468 5,615 345	53 50,581 4,024 15	5 3,090 425 15	9 3,080 444	23 31,078 2,240	16 13, 333 915	12 9,216 720 (*)	1 1,290 30	2,827 165 (*)	1 400 90 160	8 18,487 1,501 170	1
8 47,596 16,531 6,415	7 38,502 8,491 4,934	8,040		148 112,765 15,268 1,138	123 85,698 11,824 345	22 7,947 1,595 345	15 5,534 1,061	48 46, 521 5, 823 (*)	38 25,696 3,345 (*)	19 12,573 2,120 (*)	13 6,294 800 (*)	6 6,829 425 (*)	16 7,199 1,229 205	9 19,868 2,215 245	

# 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,

		Nor	th Pacific Coas	t: Columbia R	iver above Sr	ake River (I-C	)
				/	Clark Fork		
Item						Flathe	ad River
(For definitions and explanations, see text)	The State	Total	Total	Clark Fork direct below Missoula	Clark Fork direct above Missoula	Total	Flathend River direct below Polson
				(8a)	(8b)		(8c)
ALL ENTERPRISES							
Diversion dams	4,068 8,139 6,136	1,288 2,514 2,123	1,233 2,445 1,959	132 206 (*)	353 935 (*)		91 141 (*)
Diversion dams by material: Concrete or masonrydams 1950	449	134	128	19	18		19
Timberdams 1950. Earth and rockdams 1950. Other, mixed, and not reporteddams 1950.	1,674 5,365 651	784 1,423 173	772 1,383 162	35 129 23	246 631 40	54 136	34 72
Reservoirs 1950 reservoirs 1950	443 629	91 129	84	8	21		4
1940 Reservoirs for which capacity was reportedreservoirs 1950 total capacity, acre-feet 1950 1940	517 577 1,598,898 1,301,422	129 115 121 300,409 239,740	120 105 115 298,481 236,633	(*) 10 820 (*)	31 (*) 27 23,746 (*)	33 34	(*) 13 97,701 (*)
Reservoirs by capacity: 1-99 acre-feet	369 124 84	66 27 28	61 27 27	6	14 11 2	19 2	4 2 7
Reservoir dams by material: Concrete or masonry	20 551 58	9 101 19	9 95 16	1 8 1	3 20 8	5 28	13
Canals and ditches	3,591 15,499 15,702	1,065 3,599 3,889	1,033 3,517 3,732	105 293 (*)	275 768 (*)	146	81 978 (*)
Pipelines and siphons <sup>1</sup> tenterprises reporting 1950 total length, miles 1950 1940	219 110 148	115 77 56	110 62 48	(*) 19 12	18 16 (•)	56	4 (*)
Tunnels	20 17,586	6 3,670	6 3,670		5	1	1
Flowing wells	46 79 44	26 48 39	26 48 39	······ ······	2,270 1 (*)	1,400 22 44 38	300 2 3 (*)
Pumped wells	112 142 102 128	44 49 37 44	44 49 34 44	11 14 (*) 14	8 9 (*) 8	15 15 11 12	(*) 1
Average pumping lift	30 24 963	29 29	29 30	(*) <sup>40</sup>	(*) 19	35 23	(*) 12
pumps 1950 1940 Electric motors used for pumpingenterprises reporting 1950.	1,304 680 356	243 276 124 100	242 275 116 100	(•) 20	18 19 (*) 8	129 149 67 55	36 39 (*) 3
electric motors 1950 1940	473 165	116 62	116 62	(*) 23	(*) 8	65 38	(*) 6
Other motors and engines used for pumpingenterprises reporting 1950 other motors and engines 1950 1940 Season of irrigation, 1949:	657 792 486	146 158 63	145 157 55	28 31 (*)	10 10 (*)	76 83 28	33 33 (*)
Water delivered only before July 1enterprises reporting acres irrigated	440 64,300	36	33	6	4	9	2
Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting.	4,582 1,780,501 219	3, 124 1, 461 357, 855 89	2,807 1,406 353,705 87	363 154 16,452 14	757 369 85,039 7	263 267 105,695 52	45 115 89,868 8
Capital investment:	11,978	2,165	2,148	681	98	1,079	240
Capital investment in irrigation works and water rights to Jan. 1, 1940	67, 352, 505	13,447,045	13, 224, 496	(*)	(*)	8,086,898	(•)
Enterprises reporting	2,428 13,904,485 995,247 81,256,990	625 3,348,432 226,871 16,795,477	615 3,341,352 226,300 16,565,848	78 399,511 9,243 (*)	163 271,960 47,738 (*)	141 2,220,582 95,330 10,307,480	35 1,796,293 82,001 (*)
Outstanding bonds, construction cost, and other         funded obligations, Jan. 1, 1950:         Enterprises reporting	97 41,498,918 44,542,281 579,899	22 12,014,931 11,495,680 143,934	21 12,007,931 11,482,680 142,034	5 350,613 (*) 3,054	2 600,105 (*) 6,361	3 9,282,570 8,755,846 90,569	1 8,250,162 (*) 79,499
bonds, construction cost, and other funded obligations, Jan. 1, 1950; Enterprises reportingdollars 1950 Amountdollars 1950 Area irrigated direct	15 1,381,563 66,006	4 385,200 8,375	4 385,200 8,375	1 5,000 2,500	1 114,610 5,075	•••••	

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

#### CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

Nort	th Pacific C Snake	Colum River (I-C)	bia River ab Con.	Gve			Misso	uri River be	low Three Fo	rks excludin	g Yellowston	e River (VI	-C)	
	Clark Fork	-Continued	······					Missouri I	River direct			Milk	River	
Upper Flathcad	River-Con. Little Bitterroot River	Bitterroot River	Blackfoot River	Kootenai River	Missis- sippi Niver, total	Total	Total	Below Fort Peck Dam	Fort Peck to Holter Dam	Holter Dam to Three Forks	Total	Milk Biver direct below Lohman	Milk River direct above Lohman	Upper Beaver Creek
(8d)	(8e)	(8f)	(8g)	(9)	<u> </u>			( <u>la</u> )	(1b)	(lc)	ļ	(6a)	(6b)	(6c)
73 84 (*)	17 36 17	479 773 556	90 270 208	55 69 164	5,625	2,002	360 777 (*)	39 89 (*)		207 421 (*)	100 226 (*)	66 147 (*)	30 - 73 (*)	4677
17 13 38 16	3 7 26	41 335 355 42	11 102 132 25	6 12 40 11	890 3,942	195	45 77 609 46	 85 4	4 10 231 22	41 67 293 20	15 16 145 50	9 6 93 39	6 9 47 11	1 5
9 (*) 28,263 (*)	7 12 42,893 36,825	- 30 37 22 37 91,881 46,297	7 7 5 7 13, 177 12, 099	7 9 10 6 1,928 3,107	500 402 456 1,298,489	337 265 312 930,059	89 130 (*) 121 13,745 (*)	35 55 (*) 55 8,262 (*)	37 52 (*) 51 3,519 (*)	17 23 (*) 15 1,964 (*)	47 66 (*) 56 249,906 (*)	28 39 (*) 30 108,932 (*)	15 22 (*) 21 132,969 (*)	5 5 16 5 8,005 11,809
7 2	8	17 9 11	5 1 1	5	303 97 56	200 76 36	92 28 1	43 11 1	39 12	10 5	30 14 12	16 8 6	13 6 2	1
4 4 2	1 11 	33 4	6 1		11 450 39	11 315 11	5 122 3	55	1 48 3	4 19	1 62 3	36 3	1 21	5
49 99 (*)	18 174 136	431 991 919	76 214 223	32 82 148	2,527 11,900 11,822	753 4,853 5,400	267 1,137 (*)	22 431 (*)	75 202 (*)	171 504 (*)	96 814 (*)	69 721 (*)	23 87 (•)	4 6 34
50 19 (*)	3 1 1 1,100 19 40 36	11 5 3	6 1  3 3	5 15 9	104 32 9 14 13,916 20 31 5	45 15 67 1 5,000 13 18 4	14 3 (*) 3 5 (*)	( <sup>2</sup> ) (*) 	6 1 (*) 2 4 (*)	6 2 (*) 1 1	12 4 (•) 3 4 (•)	9 3 (*) 2 3 (*)	(*) 1 (*)	
(*) (*) 9 (*)	2 2 1 2 57 (*)	10 11 2 10 15 (*)	· · · · · · · · · · · · · · · · · · ·	3	68 93 65 84 30	43 62 56 58 33 (*)	34 48 (*) 45 27 (*)	(*)	2 2 (•) 1 23 (•)	32 46 (*) 44 27 (*)	3 6 (*) 63 (*)	3 (•) 6 63 (•)	(•) (•)	3
91 105 (*) 51 56 (*)	3 5 2 2 3 1	47 52 5 16 19	2 2 1 1 1	1 1 8	720 1,028 556 256 357 103	44] 631 389 162 219 89	105 153 (*) 35 48 (*)	31 41 (*) 3 6 (*)	(*) (*) 10 12 (*)	39 62 (*) 22 30 (*)	203 302 (*) 89 119 (*)	174 257 (*) 79 103 (*)	28 44 (*) 10 16 (*)	1 1 5
(*) 42 48	1 2 1	30 32 5	1 1 1	1 1 16	511 634 423	314 389 279	75 96 (*)	29 35 (*)	28 35 (*)	18 26 (*)	137 167 (•)	133 140 (*)	23 26 (*)	1 1 5
4 45 122 4,345 43 819	3 173 32 11,482 1 20	12 684 519 115, 589 13 260	2 740 97 30,930 1 30	3 317 55 4,150 2 17	404 61,176 3,122 1,422,646 130 9,813	280 42,872 1,019 463,891 55 4,180	102 12,919 343 85,673 19 1,254	31 3, 291 35 15, 183 9 772	47 5,006 102 18,219 6 240	24 4,622 207 52,271 4 242	70 13,363 191 98,279 14 330	44 10,372 158 94,366 13 320	23 2, 569 29 3, 584 1 10	3 422 5 329
(•)	1,376,527	2,340,188	474,512	222,549	53,905,460	31,734,649	(*)	(*)	(*).	(*)	(•)	(*)	(*)	213, 539
90 148,525 2,370 (•)	18 275,764 10,959 1,652,291	193 387, 465 53, 852 2, 727, 653	40 61.834 20,137 536,346	571	1,804 10,556,053 768,376 64,461,513	696 4,791,147 260,797 36,525,769	225 728,152 50,015 (*)	59 528,529 16,539 (*)	69 107,634 10,422 (*)	98 91,989 23,054 (*)	153 2,426,480 45,377 (*)	123 488,217 40,768 (*)	27 1,936,263 4,091 (*)	4 2,000 518 215,539
2 12,725 (*) 1,070	1 1,019,683 1,441,614 10,000	10 1,505,095 1,507,567 41,250	1 269,548 220,234 800	1 7,000 13,000 1,900	75 29,483,987 33,046,601 435,965	26 21,055,637 23,662,355 210,155	3 2,138,398 (*) 18,631	2 1,411,946 (*) 11,108	·····	1 726,452 (*) 7,523	9 6,893,698 (*) 79,141	9 6,893,698 (*) 79,141	(*)	• • • • • • • • • • • • •
		1 215,224	50, 366		11 996, 363 57, 631	6 377,135 25,285	3 224,849 18,631	9,625		1 215, 224 7, 523			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

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#### 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,

		Mis	souri Niver bel	ow Three Forks	excluding Yello	wstone River (	VI-C)-Continu	ed
		N	husselshell Rive	e].			Marias River	
	Item (For definitions and explanations, see text)	Total	Mussel- shell River direct (7a)	Box Elder and Flat- willow Crecks (7b)	Judith Basin 8	Total	Marius River direct (9a)	Teton River (9b)
	ALI. ENTERPRISES							
1 2 3 4	Irrigation works: Diversion dams	188 456 300 31	137 368 180 22	51 88 120 9	51 60 57 3	89 169 197 18	46 81 107	44 88 90 7
5 6 7	Timberdams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	51 329 45	50 257 39	1 72 6	9 38 10	9 130 12	65 5	9 65 7
8 9 10 11 12 13	Reservoirs	57 83 35 83 113,769 32,665	32 45 13 45 86,737 3,809	25 38 22 38 27,032 28,856	5 5 3 5 6,126 6,016	23 36 34 35 346,588 277,892	19 30 20 29 246,088 179,839	5 6 14 6 100,500 98,053
14 15 16	Reservoirs by capacity: 1-99 acre-feet	57 20 6	31 10 4	26 10 2	4	15 9 11	115,035 15 9 5	
17 18 19	Concrete or masonrydams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	1 80 2	44 1	1 36 1	5	34 2	28 2	6
20 21 22	Canals and ditches	176 727 680	131 558 504	46 169 176	37 80 159	76 1,141 1,406	43 946 1,015	34 195 391
23 24 25 26	Pipelines and siphons <sup>1</sup> enterprises ryporting 1950 total length, miles 1950 1940 Tunnels	11 1 1	7 1 1	(²) 4 1	(²) 1	3 4 11	3 4 10	······
27 28 29 30	Lotal length, feet 1950 Flowing wells	2 2 1	1	1 1 1	1 1	34	34	
31 32 33 34 35 36	Pumped wells	3 3 11 2 16	3 3 11 2 16		1	4	1	3
37 38 39	Irrigation pumpspups. pumps 1950 pumps 1950 1940	14 69 83 48	14 53 66 39	16 17 9	9 10	28 37	15 22	13 15 19
40 41 42	Electric motors used for pumpingenterprises reporting 1950 electric motors 1950 1940	48 9 10 8	39 9 10 8	y	7 2 2 1	56 8 9 6	37 2 2 2	17 6 7 4
43 44 45	Other motors and engines used for pumping.enterprises reporting 1950 other motors and engines 1950 1940 Season of irrigation, 1949:	61 71 38	45 53 29	16 18 9	7 8 6	23 28 46	15 20 34	8 8 12
46 47 48 49	Water delivered only before July 1enterprises reporting. Water delivered only before July 1enterprises reporting. Water delivered before and after July 1enterprises reporting. acres irrigated.	70 11,098 196	29 4,479 165	42 6,619 31	6 527 57	26 4,332 81	17 2,405 37	9 1,927 45
50 51 52	Water delivered only after July 1enterprises reporting acres irrigated., Capital investment:	49,728 6 1,441	43, 490 4 567	б,238 2 874	8,545 4 156	88,781 10 799	60,395 7 579	28, 386 3 220
53	Capital investment in irrigation works and water rights to Jan. 1, 1940	716,804 161	342, 162 116	374,642 45	383,014 31	5,877,681 70	4,249,340 37	1, 628, 341
54 55 56	Anountdollars 1950 Area irrigated directdorea Total capital investment Jan. 1, 1950	510,829 • 33,617 1,227,633	435,687 26,071 777,849	75,142 7,546 449,784	35,820 2,883 418,834	150,420 35,206 6,028,101	69,420 22,498 4,318,760	81,000 12,708 1,709,341
57 58 59 60	Enterprises reporting. Jan. 1, 1900. Enterprises reporting	4 1,015,274 38,022 5,927	2 927,505 22 5,927	2 87,769 38,000	2 103,850 100,279 1,085	4 1,575,819 5,261,272 27,960	1 1,339,923 4,968,825 18,321	3 235, 896 292, 447 9, 639
61 62 63	obligations, Jan. 1, 1950; Enterprises reportingdollars 1950 Amount	2 142,286 5,927	2 142,286 5,927	· · · · · · · · · · · · · · · · · · ·	1 10,000 727	· · · · · · · · · · · · · · · · · · ·		

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

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

, Niles

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

l'Orks excludi	er below Three ng Yellowstone 2)-Continued				Yello	owstone River (	excluding Big		inted for each		and a second		T
				Yella	wston, Niver d	irec!					Clarks Ford		
Sun River	Smith Niver	Total	Totul	Below Miles City	Miles City Lo Billings	Billings to Livingston	Ábove Livin <sub>ti</sub> ston	Powder River	Tongue River	Total	Clarks Fork direct	Red Lodge Creck	
(10)	(11)			(la)	(1b)	(1c)	(1d)	(2a)	(3a)		(4a)	(49)	
51 99 67	81 215 105	825 1,401 959	365 624 (*)	15 50 (*)	53 106 (*)	162 233 (*)	135 235 (*)	47 165 22	56 142 65	106 136 176	25 31 2н	81 105 148	5
11 27 50 11	3 6 204 2	111 287 853 150	58 160 333 73	47 3	14 28 53 11	21 46 116 50	23 86 117 9	6 	4 122 16	6 40 85 5	5 10 11 5	1 30 74	5
4 6 3 5 187,670 90,611	9 11 7 7 12,255 31	62 91 96 83 138,149 136,697	35 (*) 49 30,668 (*)	13 19 (*) 16 1,657 (*)	(*) (*) 4,383 (*)	9 12 (*) 11 24,093 (*)	(*) 2 535 (*)	11 17 14 17 746 1,044	8 9 10 6 74,332 60,535	6 8 4 31,819 31,024	3 4 2 4 83 (*)	3 4 2 31,736 (*)	
1 4	2 4 1	65 12 6	37 9 3	12 4	15 4 1	9 2	1 1	16 1	4 1 1	6 2	4	2	1
3 3	1 9	82 9		17 2	20 1	 11 1	2	17	6 3	·····7 1	4	3 1	
46 773 837	56 181 170	872 3,856 3,411	355 2,288 (*)	(*) <sup>22</sup> 278	56 548 (*)	177 1,204 (*)	102 258 (*)	11 14 21	38 152 153	198 566 746	72 292 154	127 374 592	22
3 2 8 1 5,000 1 2 1		48 15 20 9 6,016 4 7 1	24 10 (*) 6 5,706 1 3 (*)	(•) 	4 (*) 3,754 1 3 (*)	9 3 (*) 3 1,952 (*)	(*) (*)	2 	2 ( <sup>2</sup> ) 	20 4 1 2 3	17 3 1 2 3	3 1 (2)	
3 5 5 62	· · · · · · · · · · · · · · · · · · ·	12 13 7 10 23 13	6 (*) 4 36 (*)	(*) 	(*) (*)	5 5 (*) 4 36 (*)	(*) (*)	1	2 3 3 14	3 3 3 15	3 3 3 15		333333
27 46 42 19 31 31		232 339 155 73 113 12	170 249 (*) 61 99 (*)	16 43 (*) 5 26 (*)	119 158 (*) 38 49 (*)	31 42 (*) 16 20 (*)	5 (*) 3 (*)	7 9 5	29 48 20 4 6 1	25 31 4 7 7	19 24 4 6	6 7 1	333444
11 19 10		169 213 134	116 137 (*)	11 13 (*)	87 102 (*)	16 20 (*)	2 (*)	7 8 4	27 43 19	18 24 4	13 18 4	5 6 	4
1 80 77 109,404 1 50	6 553 76 23,481 1 150	104 11,635 1,025 415,973 51 3,594	33 3,835 504 264,032 21 1,110	6 1,432 23 65,259 3 90	12 952 147 84,137 9 590	12 1,032 199 89,981 6 254	3 419 137 24,655 3 176	25 3,692 18 2,473 4 766	25 2,650 39 9,653 9 373	2 40 210 83,665 10 552	1 30 78 48,730	1 10 133 34,935 10 552	4
9,513,431	358,003	14,870,421	(•)	(*)	(*)	(*)	(*)	28,443	1,952,622	1,618,384	395,62%	1,222,755	
38 911,496 86,213 10,424,927	19 27,950 7,486 385,953	642 4,564,416 246,237 19,434,837	295 3,936,605 160,309 (*)	22 3,213,722 28,285 (*)	109 426,897 69,813 (*)	124 260,603 55,354 (*)	41 35,384 6,857 (*)	40 75,165 5,141 103,608	58 169,002 7,286 2,121,624	84 160,349 35,400 1,778,733	39 115,517 23,488 511,146	45 44,832 11,912 1,267,587	5
2 9, 179, 542 8, 625, 756 76, 961	, 2 149,056 151,221 450	39 7,212,773 6,561,795 183,061	28 5, 343, 283 (*) 173, 733	7 3,469,944 (*) 58,954	9 1,546,092 (*) 66,116	12 263,801 (*) 45,163	1 63,446 (*) 3,500		3 1,003,984 778,712 140	7 805,506 726,347 8,355	4 32,250 17,510 4,710	3 775,256 708,837 3,645	5
		4 420,333 32,346	2 2,845 32,346					· · · · · · · · · · · · · · · · · · ·	1 181, 365	1 234, 123		1 236,123	

#### 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,

		Yellowsto	ne River exclud	ing Big Horn Ri	ver (VI-F) - Co	ntinued	
			Stillwater Riv	er			
			F	ishtail Creek d	irect	-1	
Item (For definitions and explanations, see text)	Total	Stillwater River direct	Total	Fishtail Creek direct	East Roaebud Creek	Boulder River	Shiel Rive
	_	(5a)		(5b)	(5c)	(6)	(7)
ALL ENTERPRISES							
irrigation works:				_			
Diversion dams	. 99	5	4 4	5 3	2 13		
Diversion dams by material: 1940.	• 10	L ( 3:	2 6	9 (*)	(*)	(•)	
Concrete or masonry					2 3	Е	1
Timberdams 1950. Earth and rockdams 1950.	- 23 - 51		9 1- 7 2-				
Other, mixed, and not reported	-	2					
Reservoirs	. 1	.				1	
reservoirs 1950.	. 1	i ji					
1940. Reservoirs for which capacity was reportedreservoirs 1950.				. (*)	(*)	(*)	1
total capacity, acre-feet 1950.	. 4						
Reservoirs by capacity: 1940.	•   •••••••••••••			(*)	(•)	(*)	(•)
1-99 acre-feetreservoirs 1950.		1 1					1
100-999 acre-feet	:	•••••					
Reservoir dams by material:	i		1				
Concrete or masonry							
Earth and rockdams 1950. Other, mixed, and not reporteddams 1950.	· 1			• • • • • • • • • • • • • • • • • • •			1
		1	1				
Canals and ditches	96 237					26	
1940.					68 (*)	(*) 95	
Pipelines and siphons <sup>1</sup>				1'			
total length, miles 1950.	1		. 1		(2) 1		
1940.			1			(•)	(2)
Tunnels			1		1	1	1
Flowing wells					75	140	
wells 1950. 1940.							
		•••••		(•)	(*)	(•)	
Pumped wells							
1940.				(*)	(*)	(•)	
Wells for which proping lift was reportedwells 1949. Average pumping liftfeet 1949.							
1939.				(*)		•••••	
Irrigation pumps,					(•)	(•)	(.)
pumps 1950.				•••••		•••••	
1940. Electric motors used for pumpingenterprises reporting 1950.				(•)	(*)	····· (*)	
electric motors used for pumpingenterprises reporting 1950. electric motors 1950.	•						ļ
1940.				(*)	(*)		
Other motors and engines used for pumpingenterprises reporting 1950.	1	1				(*)	
other motors and engines 1950.						• • • • • • • • • • • • •	
leason of irrigation, 1949: 1940.	• •••••••	•••••		(*)	(*)	(*)	
Water delivered only before July 1enterprises reporting.	.] 1		ļ ,				
acres irrigated. Water delivered before and after July 1enterprises reporting.	- 20		20		20	••••	1,
acres irrigated.	90 000	43 9,356	50	29	22	26	
Water delivered only after July 1enterprises reporting.	- 5	1	10,872	5,107	5,765	8,973	26,
apital investment: acres irrighted.	. 307	80	227	227	•••••	•••••	
Capital investment in irrigation works and water		1		1			
rights to Jan. 1, 1940dollars 1940. New capital investment Jan. 1, 1940, to Jan. 1, 1950:		94,406	508, 104	(*)	(•)	(*)	163,
Enterprises reporting		31	38	22			•
Amount	14 501	59,126	16,078	8,517	17 7,561	14 31,040	117,
Total capital investment Jan. 1, 1950	677,714	6,449 153,532	8,072 524,182	3,879 (*)	4,193 (*)	7,177	16,
ndebtedness: <sup>3</sup> Outstanding bonds, construction cost, and other			527,104		(*)	(•)	280,
funded obligations, Jan. 1, 1950;							
Enterprises reportingdollars 1950. Amountdollars 1950.	•	•••••					
1940.	453.000	•••••					60,
Area irrigated directacres 1949.		•••••	453,000	(*)	(*)	(*)	
Arrearage in payment of principal or interest as bonds, construction cost, and other funded	1				•••••	•••••	ł
obligations, Jan. 1, 1950:						1	
Enterprises reportingenterprises 1950.							
Amount			· · · · · · · · · · · · · · · · · · ·				

\*Not available. IPipelines in farm-distribution systems were included in 1940, not included in 1950. 2Less than 0.5. <sup>3</sup>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]

	Big Horn f	liver (VI-G)					Missouri	River heads	aters above	Three Forks	(VI-H)			
								Jefferso	n River					
Total	Big Horn River direct	Líttle Horn River	Shoshone River	Total	Total	Jefferson River direct	Boulder River	Big Hole River	Total	Beaverhead Beaverhead River direct	ad River Huby Hiver	Red Bock Creul	Madison River	Gallatin River
	(la)	(2)	(3)			(1a)	(15)	(lc)		(1d)	(le)	(1f)	(2)	(3)
28 51 24		13	2	2,171	744 1,793 1,329	125 186 128	121	190 585 432	352 901 695	166 473 (*)	96 154 98	91 274 (*)	131 206 71	136 172 186
2 13 30 6	2 11 19 4	2 9	2	76 395 1,554 146	44 297 1, 323 129	8 28 132 18	2 13 88 18	2 69 481 33	32 187 622 60	19 98 306 50	5 52 90 6	8 36 226 4	21 42 142 1	11 56 89 16
5 7 2 7 23,190	3 3 23,080	2 3 2 3 85 (*)		51 65 39 54 207,091 209,094	43 56 35 45 203,944 182,7.39	18 19 1 16 18,725 (*)	12 15 12 15 8,490 10,092	1 8 1 156 4,418	12 21 14 13 176,570 168,235	(*) 11 (*) 8 11,500 (*)	4 9 1 L 4 40,070 41,069	1 (*) 125,000 (*)	7 8 1 8 1,647 (*)	1 1 3 1,500 9,501
6 1	2	3	1	32 9 13	27 6 12	12 3 1	12 1 2	1	3 I 9	1 7	3 1	1	5 3 •••••	1
7	3	3	1	46 19	38 18	16 3	15	1	7 14	3	4 5	····· ·i	8	i
39 446 435	16 292 292	22 152 120	2 2 22	866 2,745 2,537	611 1,957 1,861	111 341 379	74 201 204	154 419 471	272 996 807	120 392 (*)	64 215 298	89 389 (*)	127 316 184	131 472 493
1 ( <sup>2</sup> ) 1 800 1 4	$ \begin{array}{c}     1 \\         (2) \\         (2) \\         1 \\         800 \\         1 \\         4 \\         \dots \\         4         $	(²)		10 2 5 3 2,100 2 2	5 1 2 1,900 2 2	( <sup>2</sup> ) 1 1,100 1 1		1 800	2 1	(*) (*) 	1 (2) (2) 	(•) 	2	3 1 2 1 200
3 3 2 18	2 2  1 15	1 1 20		10 15 2 14 22 (•)	9 11 10 27	6 7 6 27	1 1 35	1 2 2 12	1 1 1 50	(•) (•) (•)	••••••••••••••••••••••••••••••••••••••	(*) (*)	1 4 1 4 8 (*)	1 
17 20 4 7 7	8 11 2 2 	9 9 2 5 5		30 38 8 14 18 2	22 27 4 9 10	12 15 1 6 7	4 5 1 2 2	3 4	3 3 2 1 1	(*) 1 (*)	2	(*) (*)	6 9 1 4 7 1	2 2 1 1
11 13 4	7 9 2	4 4 2		17 19 6	13 15 4	7 8 1	2 3 1	2 2 	2 2 2	(•) <sup>1</sup>	2	1 (•)	3 3 1	1 1 1
2 270 51 56,755 1 40	24 41,955	24 14,582 1	4 218	18 6,399 1,030 486,027 23 1,999	16 6,379 772 378,969 6 836	4 260 140 33,425 1 19	1 290 86 19,440 2 520	1 20 192 136,210 2 225	10 5,809 354 189,894 1 72	7 5,289 163 106,300 1 72	100 32,258		129	2 20 132 70,810 16 1,143
2,790,670	2,041,987	737,020	11,663	4,509,720	3,112,668	648,702	429,217	391,647	1,643,102	(*)	881,481	(+)	260,091	1,136,961
31 60,853 16,658 2,851,523	14 50,170 14,293 2,092,157	17 10,683 2,365 747,703	11,663	435 1,139,637 244,684 5,649,357	306 947,610 196,911 4,060,278	51 147, 180 13,787 795,882	40 184,357 12,325 613,574	76 117,957 75,323 509,604	139 498,116 95,476 2,141,218	82 187,877 58,562 (*)	28 269,909 16,007 1,151,390	30 40,330 20,907 (*)	73 126,034 21,472 386,125	57 65,993 26,301 1,202,954
3 62,056 2,301,364 33,774	2 32,650 1,598,375 24,697	1 13,500 698,230 9,000	15,906 4,759 77	9 1,153,521 521,087 8,975	9 1,153,521 495,342 8,975	3 470,144 154,657 860		· · · · · · · · · · · · · · · · · · ·	340,685	(*)	3 635,315 215,000 7,205	28,500		25,745
				2 198,895	2 198, 895	1 118,610			80,285		80,285			

# 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

			North Pacific (	Coast: Columb:	in above Snake	Hiver (I-C)	
					Clark Fork		
		ſ				Flathen	d River
Item (For definitions and explanations, see text)	The State	Total	Total	Clark Fork direct below Missoula	Clark Fork direct above Missoula	Total	Flathead River dire below Pols
				(8a)	<u>(8b)</u>		(8c)
ALL ENTERPRISES							
st of water to farms, 1949: <sup>1</sup>							
Total cost of water to farms: Enterprises reporting	5,305	1,600	1,540	176	379	340	231,
Cost	2,514,679 1,874,901	567,577 368,570	561,382 364,066	40,990 17,815	78,589 87,410	284,009 107,813	90
Cost par acre irrinated direct	1.34	1.54	1.54	2.30	0.90 0.93	2.63 2.71	
Total cost per acre-foot of water <sup>2</sup> dollars	1.39	1.62 0.46	1.62 0.46	2.44 0.58	0.19	1.81	
Esternises by cost per sore							
Less than \$1.00acres irrigated	3,735	1,171	1,118 182,277	112 8,393	297 64,548	204 12,955	9
\$1.00-\$1.99enterprises reporting	474	122	119	12	37	14 485	
acres irrigated	303,749	43,808	43,634	1,627	9,954		
\$2.00-\$4.99acres reporting acres irrigated	585 470,103	128 131,771	126 129,851	23 6,833	24 10,167	38 91,320	80
\$5.00-\$9.99enterprises reporting	298	83	82	17 858	14 924	32 2,132	
acres irripated \$10.00 and over	51,771 213	4,633 96	4,608 95	12	7	.52	
acres irrigated	9,472	3,712	3,696	104	1,817	921	
Cost of water for primary irrigation: Enterprises reportingenterprises	5,146	1,523	1,464	175	375	315	1
Costdollars.,	2,450,143	542,796	538,176	38,141	76,423	275,417 104,701	222 87
Area supplied primary irrigationacres Cost per acre supplieddollars	1,808,576	351,042 1.55	347,165 1.55	16,796 2.27	84,647 0,90	2.63	
Cost of water for supplemental irrigation:							-
Enterprises reportingenterprises	405	202	198	12	14 2,166	44 8,592	8
Costdollars Area supplied supplemental irrigationacres	64,536 66,325	24,781 17,528	23,206 16,901	2,849 1,019	2,763	3,112	3
Cost per acre supplieddollars	0.97	1.41	1.37	2.80	Ó.78	2,76	
Cost to farms for purposes other than operation and maintenance: Enterprises reportingenterprises	126	30	28		r	5	
Cost	541,568	65,578	64,499	5,161	23,296	4,499	
Area irrigated directacres Cost per acre irrigateddollars	432,547 1,25	47,234 1,39	45,314 1,42	2,804 1,84	11,005 2,12	1,481 3,04	
Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup>							
Interprises reporting	49	11 8,786	11 8,786	3 479		1 2,263	
Amount. Area irrigated direct	106,880 341,683	26,242	26,242	2,444		1,000	
CINCIE-FARM ENTERRATES 1000							
SINGLE-FARM ENTERPRISES, 1950	4,159	1,229	1,179	159	321	287	
Area irrigated	725,543	132,402	130,565	8,833	58,733	10,846	.6
mplete-system enterprises <sup>5</sup> acresacres	3,566	1,067	1,018	141	271	261	1.
Area irrigatedacres	614,801	108,049	106,212	6,849	46,303	9,246	'
ther farms irrigated: Enterprises reportingnumber	87	26	25	2	6	9	
Number of other farmsfarms	123	43	42	4	9	19	
Area irrigated in other farms	6,484	1,079	1,071	25	381	144	
nterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting	3,608	1,081	1,031	142	273	264	
acres irrigated. Part of water from other enterprisesenterprises reporting	614,801	108,049	106,212	6,849	46,303	9,246	5
acres irrigated	247 74,650	82 19,671	82 19,671	1,084	32 10,322	1,039	
All of water from other enterprisesenterprises reporting acres irrigated	304 36,092	66 4,682	66 4,682	10 900	16 2,108	15 561	
sterprises by primary and supplemental irrigation;							
All primaryenterprises reporting acres irrigated	3,983 708,527	1,148 129,038	1,099	156	318	257	4
Part primary, part supplementalenterprises reporting.	21	9	127,201 9	8,788	58,723	9,190 2	1
Primary irrigation	1,392 1,194	512 184	512 184	30 10		42	
All supplementalacres irrigated	113 14,430	58 2,668	58 2,668	1	1	25 1,566	1
nterprises by number of acres irrigated: <sup>5</sup>	17,700	2,000	2,000	°	10	1,000	1 -
Noneenterprises reporting.	42	14	13	1	2	3	
1-9 acresenterprises reporting	409 701	230 237	217 217	34 39	29 39	101 75	
10-29 acres		219	214	35	53	43	
10-29 arres	754	1					
10-29 acresenterprises reporting 30-59 acresenterprises reporting 60-99 acresenterprises reporting	639	181	174	23	46	43	
10-29 arres		181 177 124 30	174 174 123 30	23 17 10	46 62 66 13	43 15 5 2	

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]

Worth Pacif	ic Coast: Co	lumbia above	Snake River	(I-C) Con.			Misso	nuri Biver be	alow Three F	orks excluding	g Yellowston				$\Box$
	Clark Fork	-Continued						Missouri A	liver direct			Milk	River	r	
Upper Flathead River direct above Polson	liver-Con. Little Bitterroot River		Blackfoot River	Kootenai River	Missis- sippi River, total	Totul	Total	Below Fort Peck Dam		Holter Dam to Three Forks	Total	Milk River direct helow Lohman	direct above Lohman	Upper Beaver Creek (6c)	
(68)	( <u>8e</u> )	(18)	(8g)	(9)				<u>(la)</u>	(16)	(1c)		<u>(6a)</u>	<u>(6b)</u>	( <u>6c</u> )	1
169 22,630 5,240 4,32 4,38 3,13	36 29,813 11,675 2,55 2,55 ( <sup>3</sup> )	544 149,434 119,008 1.26 1.37 0.26	101 8,360 32,020 0,26 0.26 0.04	60 6,195 4,504 1,38 1,60 0,41	3,706 1,947,102 1,506,331 1.29 1.34 0.42	1,386 767,163 517,271 1,48 1,51 0,79	478 115,652 102,535 1.13 1.17 0,33	75 30,693 19,246 1,59 1,60 0,89	163 16,092 23,609 0,68 0,69 0,43	241 68,867 59,680 1,15 1,92 0,28	286 298,950 113,549 2,63 2,67 1,78	224 284,630 106,415 2.67 2.71 1.81	54 13,985 6,323 2,21 2,21 1,70	8 335 811 0.41 0.41 ( <sup>3</sup> )	
2,203 7 82	28 1,427 1 30	411 66,246 53 30,657	94 30,135 3 911	53 2,369 3 174	2,565 855,160 352 259,941	880 226,141 107 128,503	354 71,570 29 14,922	40 5,433 10 11,309	118 20,251 10 1,458	196 45,886 10 2,155	101 30,649 26 4,237	69 26,431 23 2,872	25 3, 513 3 1, 365	7 705	-7 8 9 10
23 792 19 1,408 • 45 755	4 10,160 1 48 2 10	37 20,557 19 694 24 854	4 974	2 1,920 1 25 1 16	457 338,332 215 47,138 117 5,760	$212 \\ 133,746 \\ 114 \\ 26,722 \\ 73 \\ 2,159$	50 11,422 23 4,289 22 332	16 2,127 7 359 2 18	16 803 9 867 10 230	18 8,492 7 3,063 10 84	72 57,921 58 19,925 29 817	59 57,023 49 19,495 24 594	12 792 9 430 5 223	1 106	11 12 13 14 15 16
167 22,605 5,164 4,38	36 29,813 11,675 2,55	499 139,871 109,260 1,28	100 8,324 31,761 0,26	59 4,620 3,877 1,19	3,624 1,907,347 1,457,534 1,31	1,391 754,558 506,661 1,49	473 111,393 99,062 1,12	74 30,473 19,130 1,59	162 16,092 23,293 0,69	238 64,828 56,639 1,14	282 297,608 112,162 2.65	220 283,288 105,028 2,70	54 13,985 6,323 2,21	8 335 811 0,41	18 19
7 25 76 0.33	•••••	123 9,563 9,748 0.98	5 36 259 0.14	4 1,575 627 2,51	203 39,755 48,797 0,81	34 12,605 10,610 1,19	13 4,259 3,473 1,23	1 220 116 1.90	1 0 316 0,00	11 4,039 3,041 1,33	10 1,342 1,387 0.97	10 1,342 1,387 0.97			21 22 23 24
5 4,499 1,481 3,04	· · · · · · · · · · · · · · · · · · ·	14 29,653 29,224 1,01	1 1,890 800 2,36	2 1,079 1,920 0.56	96 475,990 385,313 1,24	28 227,544 189,695 1,20	3 23,387 18,631 1,26	2 4,362 11,108 0,39	· · · · · · · · · · · · · · · · · · ·	1 19,025 7,523 2,53	9 112,114 72,723 1,54	8 110,472 71,706 1,54	1 1,642 1,017 1.61		25 26 27 28
1 2,263 1,000		7 6,044 22,798		·····	38 98,094 315,441	11 62,915 161,737	3 9,939 14,808	2 8,794 11,108		1 1,145 3,700	4 13,092 24,715	4 13,092 24,715			29 30 31
148 2,737 138 2,463	34 1,620 29 1,415	325 27,767 262 23,298	87 24,386 83 20,516	50 1,837 49 1,837	2,931 593,141 2,499 506,752	1,232 192,649 1,088 170,230	411 54,504 388 48,564	71 7,218 71 7,218	156 21,120 146 16,818	185 26,166 172 24,528	270 21,913 189 15,560	211 16,894 146 11,801	51 4,208 36 3,140	8 811 7 619	3
3 11 21		6 8 421	2 2 100		61 80 5,405	21 25 1,732	3 5 477		1 I 50	2 4 427	8 9 446	5 6 238	2 2 108	1 1 100	3
141 2,463 1 100 6 174	29 1,415 5 205	269 23, 298 31 3, 356 25 1, 113	83 20,516 4 3,870	50 1,837 	2,527 506,752 166 54,979 238 31,410	1,088 170,230 46 9,328 88 13,091	9		146 16,818 4 3,180 6 1,122	174 24,528 8 1,069 3 569	193 15,560 18 1,262 59 5,091	15 1,069 46	36 3, 140 3 193 12 875	7 619  1 192	43
143 2,724  2 	34 1,620	282 26,144 6 440 126 30 1,057	86 24,356 1 30	49 1,837	2,836 579,489 12 880 1,010 55 11,762	1,207 189,936 4 421 484 11 1,808	404 53, 398 2 80 220 3 806		155 20, 804  1 316	180 25,416 2 80 220 I 450	260 20,661 2 341 264 4 647	15,642 2 341	51 4,208	8 811 	
3 83 33 14	3 13 7	7 53 61 66	 3 17	1 13 20 5	28 179 464 535	10 95 234 244	2 38 84 83		17 22 38	2 16 41 30	4 24 74 54	55	4 18 7		5
12 1 1 1	6 5	48 58 25 6 1	14 22 17 9 5	7 3 1	458 568 445 154 100	189 194 190 50 26	61 71 48 17 7	8 12 7 2 1		31 22 10	42 44 24 3 1	35 20 2	2	22	5 5 5 5 6

# 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

_	Interbasin enterprises are included in each drainage basin in which they				excluding Yell			
			Musselshell Riv	er			Marias River	
			1					
	Item (For definitions and explanations, see text)	Total	Musselshell River direct	Box Elder and Flat- willow Creeks	Judith Basin	Total	Marins River direct	Taton River
			(7a)	(7b)	(8)		(9a)	<u>(9b)</u>
	ALL ENTERPRISES							[
	Cost of water to farms, 1949: <sup>1</sup> Total cost of water to farms:							
123456	Enterprises reportingenterprises Cost	273 66,686 62,873 1.06 1.08 0,47	200 55,187 48,742 1.13 1.14 0.44	74 11,499 14,131 0.81 0.86 0.57	68 5,825 9,248 0.63 0.64 0.34	119 143,492 94,697 1.51 1.53 0.96	61 101,441 63,594 1.60 1.62 1,25	59 42,051 31,303 1.34 1.35 0,54
	Enterprises by cost per acre:		,					
7 8 9 10	Less than \$1.00acres irrigated acres irrigated \$1.00-\$1.99acres irrigated acres irrigated	159 42,108 32 10,727	111 31,584 22 8,864	49 10,524 10 1,863	54 7,572 2 478	84 25,022 10 23,836	42 6,465 5 22,126	42 18,557 6 1,710
11	\$2.00-\$4.99enterprises reporting	47	37	10	8	19	9	10
12	acres irrigated \$5.00-\$9.99 acres irrigated	7,683 20	6,185 16	1,498	1,076	45,879	34,863	11,016
14 15	acres irrigated \$10.00 and over	1,490 15	1,324 14	166	116	155	135	20 •••••
16	acres irrigated	865	785	80	6	5	5	•••••
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	271 66,248 61,953 1.07	199 54,909 48,562 1.13	73 11,339 13,391 0.85	67 5,825 9,078 0,64	116 142,346 94,007 1.51	58 100,391 62,748 1,60	59 41,955 31,259 1,34
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting	2 438 920 0.48	1 278 180 1.54	1 160 740 0.22	2 0 170 0.00	5 1,146 890 1,29	4 1,050 846 1,24	1 96 44 2.18
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reporting	8 11,806 10,106 1.17	6 9,078 8,063 1,13	2 2,728 2,043 1,34	2 2,592 1,085 2,39	2 17,524 9,639 1,82		2 17,524 9,639 1,82
29 30 31	Arrearage in payments by farms, Jan. 1, 1950:4 Enterprises reporting	1 20 926	1 20 926	· · · · · · · · · · · · · · · · · · ·		26,626 52,321	26,626 52,321	· · · · · · · · · · · · · · · · · · ·
	SINGLE-FARM ENTERPRISES, 1950							
32 33	Single-farm enterprises	238 42,162	176 33,870	62 8,292	54 4,896	112 20,599	59 7,228	-53 13, 371
34	Complete-system enterprises <sup>5</sup> enterprises	222	164	58	4,050	101	50	51
35	Area irrigatedacres	37,889	30,454	7,435	4,856	18,917	6,246	12,671
36 37 38	Enterprises reportingnumber Number of other farmsfarms Area irrigated in other farmsacres	2 2 220	1 1 20	1 1 200		4 5 496	1 1 150	3 4 346
39	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting	222	164	58		105	54	51
40 41	acres irrigated Part of water from other enterprisesenterprises reporting	37, 889 12	30, 454 8	7,435	4,856	18,917	6,246	12,671
42 43	All of water from other enterprisesenterprises reporting	3, 100	2,243	857		597 597	597	
44	acres irrigated.	1,173	1,173	•••••	1 40	5 1,085	3 385	700
45	Enterprises by primary and supplemental irrigation: All primaryenterprises reporting	237	175	62	53	107	53	E 3
46 47	Part primary, part supplemental	41,982	33,690	8,292	4,836	106 20,484	7,113	13,371
48 49 50	Primary irrigation	•••••••••••			•••••	****		•••••
50 51	All supplemental	1 180	1 180	•••••	1	2	2	•••••
	Enterprises by number of acres irrigated:5	200	190	*****	60	115	115	
52 53	Noneenterprises reporting.			······	••••••	4	4	
54 55	10-29 acres	18 37 50	13 29 37	5 8 12	6 10	5 11	54	7
56	60-99 acres	50 45	37 31	13	16 E	18	10	8
57 58	100-199 acres	4-3 26 40	18 31	14 8 9	5 10	13 18	8 12 16	5 6 19
59 60	500-999 acresenterprises reporting 1,000 acres or moreenterprises reporting.	14 8	31 9 8	9 5	6 1	34 7	16 • • • • • •	18 7 2
	Set footnotes at and of Drainage Regis Table 1 Days 2	8	8	•••••	******	2		2

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]

Forks exclu	er below Three Iding Yellow- (VI-C)Con,				lowstone River		Horn River (V)	I-F)					Ī
cone niver	(YI-C)Con,	ŀ		Yel	lowstone River	direct	<del></del>				Clarks For	k	
Sun River	Smith River	Total	Total	Below Miles City	Miles City to Billings	Billings to Livingston	Above Livingston	Powder Biver	Tongue River	Total	Clarks Fork direct	Red Lodge Creek	
_(10)	(11)			<u>(la)</u>	(1b)	(1c)	(1d)				(40)	(4b)	_
81 134,943 109,835 1,23 1,27 0,64	83 1,615 24,334 0.07 0.07 ( <sup>3</sup> )	1,196 873,238 434,445 2,01 2.06 0,61	569 709,383 276,520 2,62 2,67 0,83	36 258,589 66,908 3.86 3.87 1.68	171 305,721 86,026 3,55 3,57 1,08	222 127,907 92,134 1.39 1.42 0.42	141 17, 166 25, 452 0.67 0.74 0,09	48 3,820 7,031 0.54 0.54 ( <sup>3</sup> )	12,725	221 78,145 84,257 0,93 0.95 0,26	79 59,394 48,760 1.22 1.25 0.30	18,75 35,49 0,5	1 3 4
48 25,336 8 74,303	82 23,884	743 182,659 157 79,542	310 68,963 70 46,660	15 7,128 3 320	34 3,056 17 6,962	148 40,636 34 33,603	113 18,143 16 5,775	40 5,777 3 635	39 7,945 8 1,660	147 53,641 42 24,187	30 24,576 23 18,238	117 29,065 20 5,949	5 0
15 9,315 6 747 4 134	1 450 	178 150,679 81 18,154 37 3,411	116 137,738 49 14,882 24 2,277	12 53,422 5 5,978 1 60	69 69,430 33 4,539 18 2,039	25 13,382 10 4,335 5 178	11 1,504 1 30	4 613 1 6	1,000 1,863 10 1,053 7 204	21 5,707 9 698 2 24	17 5,414 7 508 2 24	293 2 190	432
81 129, 523 106, 065 1, 22	83 1,615 24,334 0.07	1,159 863,859 423,505 2.04	546 705,521 265,737 2,65	35 258,589 66,866 3,87	170 304,606 85,626 3.56	214 125,962 90,141 1.40	128 16,364 23,104 0,71	48 3,820 7,031 0,54	74 20,649 12,725 1.62	218 76,062 82,538 0.92	76 57,879 47,632 1,22	143 18,183 34,906 0.52	3
2 5,420 3,770 1,44	·····	104 9,379 10,940 0.86	43 3,862 4,783 0,81	1 0 42 0,00	4 1,115 400 2.79	21 1,945 1,993 0.98	18 802 2,348 0.34			14 2.083 1.719 1.21	10 1,515 1,128 1,34	4 568 591 0.96	3
3 59,336 77,061 0.77	1 785 450 1,74	51 222, 813 156, 723 1. 42	35 213,788 150,765 1.42	3 103,418 39,799 2,60	10 76,441 62,628 1,22	17 24,796 42,756 0.58	6 9,133 5,582 1.64			2 4,500 2,481 1.81	2 4,500 2,481 1,81		
1 13,238 68,967		15 9,908 86,067	12 9,308 77,467	3 2,180 42,146	7 6,680 32,412	3 448 2,909			1 352 4,000	2 238 4,230	1 130 2,769	1 108 1,451	3
67 24,691 60 22,228	82 23,884 77 22,216	909 103, 121 739 84, 652	469 53, 299 358 42, 873	28 2,954 23 2,730	154 13,295 95 9,451	164 20,277 146 18,024	123 16,773 94 12,668	52 7,031 48 7,031	71 8,550 71 8,550	137 14,716 112 10,624	39 4,859 20 1,772	98 9,857 92 8,852	2
4 4 93	• • • • • • • • • • • • •	26 33 2, 546			7 11 776	3 4 436	2 2 266	1 1 50	1 1 47	9 10 729	3 3 131	6 7 598	1
60 22,228 1 20 6 2,443	77 22, 216 1 100 4 1, 568	750 84,652 35 4,635 124 13,834	362 42,873 18 2,384 89 8,042	23 2,730 1 57 4 167	95 9,451 5 367 54 3,477	149 18,024 5 922 10 1,331	95 12,668 7 1,038 21 3,067	52 7,031	71 8,550	113 10,624 5 529 19 3,563	21 1,772 2 136 16 2,951	92 8,852 393 393 612	
67 24,691	82 23, 884	861 98,521 5 219 296 32 4,085	444 50,834 2 56 173 19 2,236	27 2,912  1 42	153 13,241 1 6 48	154 19,749  7 528	110 14,932 1 50 125 11 1,666	48 7,031	71 8,550	132 14, 296 1 50 80 3 290	34 4, 439 1 50 80 3 290	98 9,857	
1 12 13	3 6 10	11 48 141 188	4 27 73 102	2 8 6	9 9 29 44	3 11 26 38	1 5 10 14	4 1 3 9	5 12 14	1 6 25 30	1 1 7 7		
12 12 14 1	11 13 25 8	168 222 100 29	89 107 55 10	4 3 4	30 29 11 1	32 29 18 6	23 46 22 2	12 9 11 3	11 15 11 3	24 36 9 6	6 11 4 2	18 25 5 4	

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#### 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

=			Yellowst	one River exclu	ding Big Horn P	iver (VI-F)-C	ontinued	
				Stillwater Riv	er			
				Fi	shtail Creek di	rect	1	1
	Item (For definitions and explanations, see text)	Total	Stillwater River direct	Total	Fishtail Creek direct	East Rosebud Creek	Boulder River	Shields River
			(5a)		(5b)	(5c)	(6)	(7)
	ALL ENTERPRISES	1						
	Cost of water to farms, 1949:1			1				
	Total cost of water to farms:							
2	Enterprises reportingdollars	101 23,671						
3	Area irrigated directacres Cost per acre irrigated directdollars	20,707	9, 588	11,119	5,334			28,83
45	Total cost per irrigated acre	1.14		0.71				
6	Total cost per scre-foot of water <sup>2</sup> dollars	0.34	0.26	0.34	0.30	0.38		
_	Enterprises by cost per acre:							
78	Less than \$1.00acres reporting acres irrigated	80 16,173						
9 10	\$1.00-\$1.99enterprises reporting.,	10	1	9	5	4	2	2
	acres irrigated	2,156	113	2,043	1,210	833	905	3, 33
11 12	\$2.00-\$4.99acres reporting acres irrigated	7 1, 291	3 993		4		3	1
13	\$5.00-\$9.99	3	2	1		1	844	
14 15	acres irrigated \$10.00 and over	692 1	367	325		325	5	82
16	acres irrigated,.	395	395				350	15
	Cost of water for primary irrigation:			1				
17 18	Enterprises reportingdollars	98		52			26	15
19	Area supplied primary irrigation	23,045 19,780		7,526	3,474		12,352 9,086	
20	Cost per acre supplieddollars	1.17	1.67	0.72	0.69	0,74	1.36	0.8
	Cost of water for supplemental irrigation:			1		1	1	
21 22	Enterprises reporting	18 626	7	11	8	3	9	2
22 23	Area supplied supplemental irrigation	927	273 291	636		117 302	473	2,33 2,22
24	Cost per acre supplieddollars	0.68	0.94	0.56		0.39	0.37	1.0
25	Cost to farms for purposes other than operation and maintenance: 4	_						
26	Enterprises reportingdollars	6 2,590		6 2,590	2 450	4 2,140	•••••	
27 28	Area irrigated directacres Cost per acre irrigateddollars	2,022		2,022	984	1,038		1,93
		1.28		1.28	0.46	2.06		1,33
29	Arrearage in payments by farms, Jan. 1, 1950:4 Interprises reportingenterprises	1					{	
30 31	Amount	10		1				
51	Area irrigated directacres	370	•••••	370	370			
	SINGLE-FARM ENTERPRISES, 1950							
32	Single-farm enterprisesenterprises	50	24		1			}
33	Area irrigatedacres	3,649	1,786	26 1,863	18 1,238	625	11 995	119
34	Complete-system enterprises <sup>5</sup> enterprises	50	24	26	10			
35	Area irrigatedacres	3,649	1,786	1,863	1,238	8 625	935	10,990
36	Other farms irrigated;	i		1				
37	Enterprises reporting	1	1			•••••		
38	Area irrigated in other farmsacres	90 0	90			•••••		15
39	Enterprises by origin of water supply; <sup>5</sup>							
40	No water from other enterprisesenterprises reporting acres irrigated	50 3,649	24	26	18	8	10	92
41 42	Part of water from other enterprisesenterprises reporting		1,786	1,863	1,238	625	935	10,990
43	acres irrigated All of water from other enterprisesenterprises reporting						60	1,665
44	acres irrigated		•••••			•••••		16 2,229
, - Ì	Enterprises by primary and supplemental irrigation:				)			] -,
45 46	All primary	48 3,454	24	24	17	7	7	111
47 48	Part primary part supplemental		1,786	1,668	1,198	470	395	13,961
19	Primary irrigationacres irrigated Supplemental irrigationacres irrigated		•••••			•••••	•••••	113
50 51	Alt supplemental	2	•••••	2	····· ···i	•••••		43
1	acres irrigated.	195	•••••	195	40	155	600	764
52	Enterprises by number of acres irrigated: 5 Noneenterprises reporting.			-				
53 54		2	1	1	••••••	•••••	1	i i
55	10-29 acresenterprises reporting 30-59 acresenterprises reporting	10 11	7	3	ĩ	2	3	15
56	60-99 acres		3	8	7	1	2	20
5'i	100-199 acres	11 14	3	8 5	6 9	2	2	19
58 59	500-999 arres.	2	, 1	5 1	- 1		1	40 12
60	1,000 scres or moreenterprises reporting	******	•••••	•••••		•••••	1	6
-	Enterprises with reported cost of \$0 in 1949 are included.				•••••	••••••	•••••	•••••

<sup>1</sup>Enterprises with reported cost of 50 in 1949 are included. <sup>3</sup>Average cost per irrigated acre divided by calculated average quantity of water per acre. (Drainage Basin Table 1, Part 4, line 66.) <sup>4</sup>Not reported by single-farm enterprises reporting quantity of water was not sufficient to provide satisfactory data. <sup>5</sup>For interLasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin or State.

### 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]

		(VI-H)	Three Forks	aters above	River Headw	Missouri					iver (VI-G)	Big Horn R	
				on River	Jeffers								
Madison Biver	Red Rock Creek	ad River Ruby River	Beaverhead Beaverhead River direct	Total	Big Hole River	Boulder Biver	Jefferson River direct	Total	Total	Shoshone River	Little Horn River	Big Horn River direct	Total
(2)	<u></u>	(le)	(1d)		<u>(1c)</u>	(1b)	<u>(1a)</u>	/ 		(3)	(2)	<u>(1a)</u>	
135 39,489 37,655 1,05 1,15 0,30	94 2,383 52,156 0.05 0.05 0.01	101 19,071 32,572 0.59 0.64 0.13	164 29,340 111,661 0.26 0.27 0.05	358 50,794 196,389 0.26 0.27 0.05	196 29,827 136,656 0,22 0,23 0,04	88 13,623 20,454 0.67 0.68 0.14	143 26,706 33,799 0,79 0,85 0,17	785 120,950 387,298 0.31 0.33 0.06	1,071 210,666 497,505 0.42 0.45 0.10	4 459 218 2,11 2,11 ( <sup>3</sup> )	28 21,311 14,917 1.43 1.58 ( <sup>3</sup> )	25 74,265 41,975 1,77 1.78 0,52	56 96,035 57,110 1,68 1,74 0,46
102 25,714 13 7,878	94 52,156 	86 29,383 10 2,200	147 103,716 9 6,450	326 185,255 19 8,660	183 129,062 5,014	71 14,737 9 3,350	94 25,452 27 6,835	674 354, 506 60 23, 859	913 439,700 80 32,975	3 141 	17 4,117 1 1,554	10 2,402 7 17,367	30 6,660 8 18,921
13 2,794 1,236 3 33	·········	4 808 1 181	6 1,258 1 137 1 90	10 2,066 2 318 1 90	7 2, 530 1 50	8 2,367	17 1,392 3 61 2 59	42 8,355 6 429 3 149	60 22,935 12 1,713 6 182	1 77	2 9,006 7 232 1 8	7 21,889 1 317	9 30,972 8 549 1 8
133 35,339 34,249 1.03	86 2,383 49,751 0,05	99 17,229 29,997 0.57	160 27,716 107,607 0.26	344 47,328 187,355 0,25	195 29,395 132,046 0,22	86 13,598 19,915 0,68	137 24,140 31,489 0.77	762 114,461 370,805 0,31	1,042 197,977 472,035 0.42	4 459 218 2.11	28 18,459 13,457 1,37	24 72,035 41,658 1.73	55 90,953 55,333 1.64
$\begin{array}{r} 2\\4,150\\3,406\\1,22\end{array}$	9 0 2,405 0,00	5 1,842 2,575 0,72	11 1,624 4,054 0.40	25 3,466 9,034 0.38	3 432 4,610 0.09	2 25 539 0,05	15 2,566 2,310 1,11	45 6,489 16,493 0.39	63 12,689 25,470 0,50	·····	1 2,852 1,460 1.95	1 2,230 317 7.03	2 5,082 1,777 2,86
3 4,077 2,093 1,95	· · · · · · · · · · · · · · · · · · ·	3 3,845 8,495 0,45		3 3,845 8,495 0,45	1 4,400 2,684 1.64	2 1,063 1,135 0,94	4 1,593 5,987 0,27	10 10,901 18,301 0.60	15 20,178 26,133 0.77	1 155 77 2.01	·····	2 5,300 12,685 0,42	3 5,455 12,762 0.43
	·····	•••••	521 7,377	2 521 7,377	1 50 724		6 5,528 7,221	9 6,099 15,322	12 6,367 26,269		1 5,228 9,000	2 13,676 32,368	2 18,904 41,368
101 18,099 88 16,284	73 43,029 65 38,828	67 12,866 59 9,029	125 80,941 89 63,099	264 136,836 212 110,956	154 107,636 142 96,169	60 9,854 55 9,012	89 11,621 68 8,394	567 265,947 477 224,531	744 289,989 634 245,963	3 141 3 141	26 4, 363 23 4, 329	18 2,878 12 1,437	47 7,382 38 5,907
2 2 90	·····	1 7 95	2 2 320	3 9 415	1 1 250	2 2 33	4 6 245	10 18 943	14 22 1,127				
89 16,284 19 1,815	65 38,828 8 4,201	59 9,029 8 3,837	92 63,099 28 15,463 5 2,379	215 110,956 44 23,501 5 2,379	142 96,169 9 11,032 3 435	57 9,012 3 842	69 8,394 14 2,615 6 612	483 224, 531 70 37, 990 14 3, 426	641 245,963 83 39,905 20 4,121	3 141 	23 4, 329 2 26 1 8	12 1,437 1,085 5 356	38 5,907 3 1,111 6 364
99 15,199   1 2,900	72 42,829  1 200	67 12,866	121 80,141 141 1 800	259 135,836  2 1,000	153 107,526 1 100 10	57 9,785  1 69	81 10,366 2 140 220 5 895	550 263,513 3 240 230 8 1,964	722 283,650 3 240 230 12 5,869	3 141	26 4, 363	18 2,878	47 7,382
i 6 16 14	1 1 1 4	З б 9	3 2 5 11	3 6 12 24	7 13	2 3 10 8	1 7 13 17	6 16 42 62	7 31 78 92	i i 1	4 8 5		5 11 11
15 22 17 8 2	4 12 26 12 13	12 19 13 3 2	9 27 26 19 23	25 58 65 34 37	13 23 44 24 30	8 11 14 3	15 20 11 5	61 112 134 66 68	94 144 153 75 70	1	2 5 1	5 2 1 1	7 8 2 1 2

#### 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

	Interbasin ent			Coast: Colum				is, but only
					Clark F			
Item (For definitions and explanations, see text)	The State <sup>1</sup>	Total <sup>1</sup>	Total <sup>1</sup>	Clark Fork direct below Missoula	Clark Fork direct above Missoula	Total <sup>I</sup>	Biver direct below Polson	Upper Flat- head River direct above Polson
				(8a)	(8b)		(8c)	(8d)
MULTIPLE-FARM ENTERPRISES, 1950 1 Multiple-farm enterprises, total number <sup>2</sup> enterprises	1,234	397	386	19 8,982	64 28.677	56 96,967	31 84,409	25 2, 503
<ol> <li>Area irrigated direct<sup>2</sup></li></ol>	8	236,168 4	233,501 3			1	1	1
4 Area irrigated directacres 5 Complete-system enterprises <sup>2</sup>	96, 344 931	89,694 340	89,681 329	16	36	89,499 54	30	24
6 Area irrigated directacres Enterprises by origin of water supply: 2	846,654	211,971	209,304	6,847	14,924	96,334	84,037	2,242
7 No water from other enterprisesenterprises reporting	1,092	378	367	18	57	55	31	24
<ul> <li>8 acres irrigated</li> <li>9 Part of water from other enterprisesenterprises reporting</li> </ul>	1,007,621	228,961 11	226,294 11	8,932 1	25,162	96,706 1	84, 409	2,242
10 acres irrigated	76,328	3,631	3,631	50	••••••	261		261
All water from other enterprisesenterprises reporting.           12         acres irrigated.	62 65,409	3,576	8 3,576		3, 515			
Enterprises by delivery of irrigation water: <sup>2</sup> No water deliveredenterprises reporting	4	1	1					
14 Water delivered direct to farms only enterprises reporting		333 82,695	322 80,028	14 4,527	32 12,976	54 7,096	29 4,538	24 2, 503
acres irrigsted 16 Water delivered to fams and to other enterprisesenterprises reporting	233	52	52	4	28	2	2	2,50
17 18 Water delivered to other enterprises onlyenterprises reporting	611,649	153,473 11	153,473 11	4,455	15,701 4	89,871	79,871	
Enterprises by primary and supplemental irrigation: 3			1				1.	
19 All primaryenterprises reporting. 20 acres irrigsted.,	790,742	250 114,002	243 113,422	3,589	47 19,249	39 16,733		1,936
<ol> <li>Part primary, part supplementalenterprises reporting</li> <li>Primary irrigationacres irrigated</li> </ol>	225	116 107,490	113 106,030	10 4,389	10 6,675	17 78,736		502
23 Supplemental irrigationacres irrigated	34,044	10,697	10,095	1,004	1,729	1,498		63
24 All supplemental	46	19 3,979	18 3,954		3 1,024			
Enterprises by number of farms irrigated direct: <sup>2</sup> 26 Noneenterprises reporting		12	12	1				
27 1-3enterprises reporting	695	246	238	1 7	48	34	22	11
28         4-9enterprises reporting.           29         10-29enterprises reporting.	312 114	103 21	101 21	4	83	18	8	
30 30-99enterprises reporting	50	11	10	2	ĩ	] ī		1
32 300-999enterprises reporting	7	2	2 1	1				
33 1,000 or more		1	1			1	1	1 1
34 Noneenterprises reporting		12	12	1	4	<u>.</u>		
<ol> <li>1-99 acresenterprises reporting</li> <li>100-999 acresenterprises reporting</li> </ol>	768	123 236	116 233	95	11	31	11 19	
37         1,000-2,999 acresenterprises reporting           38         3,000-9,999 acresenterprises reporting	117	20	19 3	3	4	1		נון
39 10.000-29.999 acresenterprises reporting.	l ü	3	2					
40 30,000 or more	5	1	1	•••••		1	1	
41 Total obtained from all sources4enterprises reporting		299	294	13	53	20		1
42 percent of all enterprises reporting. 43 acre-feet.	5,650,173	18 1,089,759	19 1,079,334	53,796	14 195,342	6 232,163		229,17
44 Surface sourcesenterprises reporting 45 acre-feet		292 1,063,148	287 1,052,723	13 53,796	46	20 232,078	226,775	229,088
46 Pumped wellsenterprises reporting	2	1,003,140	1,032,723					
47 48 Other enterprisesenterprises reporting.		16			7	·····i		
49 50 Conveyance loss <sup>4</sup> enterprises reporting.	464,021 954	26,611 278	26,611 275	13	19,298 52	85		8
51 acre-feet		258,996	255,761	13,500	36, 386	92,045		91,64
Delivered: <sup>4</sup> 52 Direct to farmsenterprises reporting.	965		284	12	50	20		1
53 acre-feet. 54 To other enterprisesenterprises reporting.	3,543,947	748,981 42	741,791 42	34, 498	120,428	140,118	1	137,53
55 acre-feet.	627,795		69,567	5,798	38, 528			
56 For use other than irrigationenterprises reporting 57 acre-feet		12,215	12,215					
Delivered direct to farms for primary irrigation: <sup>3</sup> 58 Enterprises reportingenterprises		274	270	12	47	19		1:
59 Quantity deliveredacre-feet	3,222,986	692,245	687,035	31,976	111,547	138,800	121,022	2,98
60         Area supplied primary irrigation			206,645	7,742	23,609	91,701		2,19
Delivered direct to farms for supplemental irrigation: <sup>3</sup> Enterprises reportingenterprises.			l		l	{		1
63 Quantity deliveredacre-feet.	178, 534	97 56,238	95 54, 258	2,028	11 8,878	1,317		5
64         Area supplied supplemental irrigationacres.           65         Quantity supplied per acreacre.feet.	1 13 185	12,624	12,029	924	2,490	1,088	1,030	5
65         Quantity supplied per acre	3,3	4.5 3.5	4.5	2.2	3.6 4,8	1.2		1.
67 Cost for primary irrigationdollars.		415, 532	411,857	23,851	16,991	256,827	218,901	9,10
<ul> <li>Average cost per acre-footdollars.</li> <li>Cost for supplemental irrigationdollars.</li> </ul>	0.60	0.60	0.60	0.75 2,750	0,15 2,028	1.85	1.81	3.0
70] Average cost per acre-footdollars.	0.23		0,27	1.36	0.23	1.73		0.0
Heasurement of water to farms, 1949:3 71 No water measured		292	284	13	29	47	26	20
72 73 Part of water measuredenterprises reporting.	511,292		75,842		11,104	6,169	3,718	2,39
73         Part of water measured	191, 543	18,506	18,506	2,500	9,845	748		5
76 acres irrigated.		131, 368	131, 368	2,588	4,949	89,826		3

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

#### CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

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North Pacific Riv	: Coast: Columbi er (I-C)-Conti	nued		L	Misso	ouri River below	w Three Forks ex	cluding Yellows	Lone River (V)	(-C)	
Clark Fork	-Continued					Missouri F	River direct		Milk	River	
Bitterroot River	Blackfoot River	Kootenai River	Missíssippi River, total	Total <sup>1</sup>	Total	Below Fort Peck Dam	Fort Peck to Holter Dam	Holter Eam to Three Forks	Total <sup>1</sup>	Milk River direct be- low Lohman	Milk River direct above Lohman
(8f)	(8g)	(9)				(1a)	(1b)	(1c)		(6a)	(6b)
233 91,241 2	14 7,634	11 2,667 1	837 913,190 4	172 324,622 1	69 48,031	4 12,028	7 2,489	58 33, 514	22 91,636	18 89, 521	4 2,115
182 211		13 11	6,650 591	6,050 116				40	6,050	6,050	2
85, 591 223	5,608 14	2,667	634, 683	200,205	34,901	12,028	971	21,902		4, 455	1,797
87,860 9	7,634	2,667	714 778,660 69	145 263,217 19	64 45,899 5	12,028	2,489	53 31,382 5	49,736 2	47,621	2,115
3,320 1			72,697 54	30,347	2,132			2,132	19,772	19,772	
61		•••••	61,833	31,058			•••••		22,128	22,128	
210 49,821	12 5,608	11 2,667	622 621		55	3	3 971	49			2
49,021 16 41,420	2,026	2,001	455,014 181 458 176	123,851 42 200,771	33,936 14 14,095	10,720 1 1,308	971 4 1,518	22,245 9 11,269	27,151	25,354	1,797
41,420			458, 176 31	7					64,485 1	64,167	318
139 69,165	19 4,686	7 580	667 676,740	145 205,239	61 36,250	4 10,228	7 2,489	50 23, 533	16 76,502	13 74,387	3 2,115
72 13,511	4 2,719	3 1,460	109 200,425	15 111,065	9,334	1,724		7,610	4 14,658	4 14,658	
5,635 15	229	602 1	23, 347 27	6,430 4	1,674 2	76		1,598	476	476	
2,930	•••••	25 •	12,678	1,888	773	••••	•••••	773			•••••
136 70	13	8	34 449 209	8 99 34	49 11	2	6	41 10		5	2
12	••••••		93 39	16 10	6			6	3	25	1
1			7	23		1			1	1	1
			•••••	•••••	· · · · · · · · · · · · · · · · · · ·	••••			•••••	•••••	
65	•••••	7	34 118	8 27	13		2	11	23	1	•••••
150 8	11 3	3.	532 97	103 12	47	2	5	40	6	4	2 1
2		•••••	43 9	16 2 4		1	•••••	2	1		
197	11	5	4 699	4 139	63	1 A	5	54	21	17	1
35 537,972	11 60,061	8 10,425	19 4,560,414	10 1,535,496	13 435,723	5 254,663	3 3,262	22	7 515,128	7 511, 144	7 334,392
197 530,744	11 60,061	10,425	646 4,121,429	136 1,359,595	64 434,752	4 254,663	5 3,262	55 176,827	16 366,173	12 362, 189	4 334, 392
		,	2 1,575				·····				•••••
8 7,228 181		· · · · · · · · · · · · · · · · · · ·	112 437,410	19 175,901	5 971		•••••	5 971	7 148,955	7 148,955	•••••
103,830	11 10,000	3,235	676 1,106,614	133 473,316	63 151,582	4 112,512	5 446	54 38,624	20 151,237	16 150,421	4 100,527
191 407,636	11 39,111	5 7,190	676 2,794,966	134 726,767	64 275,796	4 140,351	5 2,230	55 133,215	20 135,136	17 132,307	4 39,108 2 194,757
14 23,006	2,235		154 558,228	37 257,873	9 8,345	1 1,800	2 586	6 5,959	10 197,708	8 197,396	2 194,757
1 3,500			25 100,606	16 77,540			····	••••	7 31,047	6	•••••
181 365,927 76,927	11 38,785 6,666	4 5,210 1,536	653 2,530,741 828,063	131 591,738 305,065	62 148,904 43,505	4 21,405 11,952	1,393	53 125, 269 30, 160	20 134,698 91,160	17 131,869 89,045	3 2,829 2,115
4.8	5.8	3.4	3,1	1.9 18	3.4	1.8	1.6	4.2	1.5	1.5	1.3
41,709 7,323 5.7	326 204	1,980 595	122,296 30,561	16,204 7,578	8,067 2,447			7,946 2,371	438 476	438 476	
5.7	1.6 5.8	3.3 3.9	4.0 3,2	2.1	3.3 3.5		1.6	3.4 4.4	0.9 1.5	0.9 1,5	1.3
111,834	2,354	3,675	1,513,632	586,834	75,620	22,646	177	52,797	241,267	238,663	2,604 0,92
0.31 7,504	0.06	0,71 1,575	0.60 25,777	0.99 10,527	0.51 3,988	1.06 120	0.08	0.42 3,868	1,79 323	1.81 323	
0.18	0.08	0.80	0.21	0.65	0.49	0.99		0.49	0.74 17	4	2
188 51,627 15	3,048	8 2,492	546 432,958 81	105 123, 497 15	21 8,107 11	1 470 2	б 2,468	14 5,169 9	17 42,479 1	14 41,381 1	1,098
4,343 18			173,037 150	65,233 42	12,463 32	11,108		1,355 31	37,241	37,241	i
33, 205			277,891	131,698			21	25, 213	11,910	10,899	1,017

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# 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

		Aissouri Riv	er below Thre	ee Forks exclu	ling Yellow R	iver (VI-C)—	Continued	
	Mus	selshell River	r		h	Marias River		
, [For definitions and explanations, see text]	Total	Musselshell River direct (7a)	Box Elder and Flat- willow Creeks (7b)	Judith River (8)	Total	Marias River direct (9a)	Teton River (9b)	Sun River (10)
MULTIPLE-FARM ENTERPRISES, 1950								
Welrinke-farm enterprises, total number <sup>2</sup> ,enterprises	37 20,711	24 14,872	14 5,839	14 4,352	15 74, 298	8 56,366	8 17,932	14 85,144
Area irrigated direct								
Area irrigated directacres Complete-system enterprises <sup>2</sup>	20	13	8	14	7	3	4	11
Area irrighted direct	7,960	4, 334	3,626	4, 352	62, 589	52,696	9,893	84, 15
Enterprises by origin of water supply: <sup>2</sup> No water from other enterprisesenterprises reporting	25	15 11,061	$\frac{11}{4,266}$	14 4, 352	$13 \\ 62,759$	7 52,866	6 9,893	14 85,14
acres irrigated Part of water from other enterprisesenterprises reporting	15,327 10	. 8	2	4, 352	. 1	1	1 400	*****
acres irrigated	4,093	3,693 1	400 1		3,900 1	3, 500	- 400	********
All water from other enterprisesenterprises reporting acres irrigated	1, 29 Ĩ	118	1,173		7,639	• • • • • • • • • • • • •	7,639	•••••
Enterprises by delivery of irrigation water: <sup>2</sup> No water deliveredenterprises reporting								
Water delivered direct to farms onlyenterprises reporting	26 10,134	19 6,978	9 3,156	13 3,936	7 33,510	3 22, 196	5 11, 314	15,18
acres irrigated Water delivered to famms and to other enterprisesenterprises reporting	9	6	3	1	5	4	1	
acres irrigated	10,577	7,894	2,683 2	416	40,788 3	34,170 1	6,618 2	69,90
Water delivered to other enterprises onlyenterprises reporting Enterprises by primary and supplemental irrigation: <sup>3</sup>			1.					1
All primaryacres irrigated	34 19,971	24 14,872	11 5,099	13 4, 182	8 37,923	4 21,991	15,932	29,96
Part primary, part supplementalenterprises reporting				1 60	2 35,600	1 33,644	1.956	51,41
Primary irrigationacres irrigated Supplemental irrigationacres irrigated				110	400	356	44	3,77
All supplementalacres irrigated	1 740		1 740		1 375	1 375		
Enterprises by number of farms irrigated direct; <sup>2</sup>					3	,	2	
Noneenterprises reporting 1-3enterprises reporting	22	15	2		3	3	1	
4-9	9	6	3	7	1		1	
10-29enterprises reporting	4	3	1		3	1	2	
100-299enterprises reporting 300-999enterprises reporting		• • • • • • • • • • • • •		•••••	1	1	• • • • • • • • • •	
1,000 or moreenterprises reporting								
Enterprises by acres irrigated direct: <sup>2</sup> Noneenterprises reporting	,		,		3	1	2	
1-99 acres	4	3	1	3	Ĩ	1	•••••	
100-999 acres	28	19	10 1	10 1	3	2	2	
3,000-9,999 acres	1	1		•••••	3	1	3	
30,000 or moreenterprises reporting.,				•••••	2	2	,	
Quantities of water reported, 1949: Total obtained from all sources <sup>4</sup> enterprises reporting	13	6	7	14	14	7	В	
percent of all enterprises reporting.	5	3	9	21	11	10	13	286,8
acre-feet . Surface sources	50,146 12	39,926 6	10,220	11,344 14	551,683 13	467,851	88,532	-
acre-feet. Pumped wellsenterprises reporting.	45,171	38,481	6,690	11,344	532, 683	466,351	69, 532	286,8
acre-feet								
Other enterprisesacre-feet		1,445	2 3,530		2 19,000	1,500	19,000	
Conveyance loss <sup>4</sup> acre-feet.	10	5	5	14	13	7	7	120,7
Delivered: 4	6, 217	5, 165	1,052	2,796	139,208	126,626	13,282	1
Direct to farmsacre-feet		6 22,775	5 3,418	14 8, 387	12 153,745	7 109,665	6 48,080	162,7
To other enterprises To other enterprises reporting.	6	3	3	1	7	4	3	
acre-feet For use other than irrigationenterprises reporting		11,986	5,330	80	222,627	195,657	26,970	3
Delivered direct to farms for primary irrigation: 3			420	81	36, 10 3	35, 903	200	3, 0
Enterprises reporting		6	5	14	10	5	6	
Quantity deliveredacre-feet. Area supplied primary irrigation		22,775 8,893		8, 257 4, 242	116, 485 73, 523	72,077 55,635	44,408	156,2
Quantity supplied per acre		2,6		4, 242	1.6	1,3	2, 5	
Delivered direct to farms for supplemental irrigation: <sup>3</sup> Enterprises reportingenterprises				1	- 3	2	1	
Quantity deliveredacre-feet. Area supplied supplemental irrigationacres.				130 110	981	909	72	
Quantity supplied per acreacre-feet.				1.2	775	731	1.6	1
Total quantity per irrigated acre <sup>5</sup> acre-feet. Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>	2.3	2.6	1.5	1.9	1.6	1.3	2.5	
Cost for primary irrigationdollars.		8,969	4, 368	3, 283	133,919	96,890	37, 029	
Average cost per acre-footdollars. Cost for supplemental irrigationdollars.		0.39	1, 28	0.40	1.15	1.34	0.83	
Average cost per acre-footdollars. Measurement of water to farms, 1949: <sup>3</sup>	• ••••••••			0.00	0.81	0.77	1.33	
No water measured	. 32	21	12	12	11	6	6	
		8,795	5,439	3, 520	47,359	38,045	9, 314	7,
acres irrigated. Part of water measured	. 1	1 1			· ^		1	
Acres irrigated. Part of water measured	· · 1 · 5,535				2,000	1	2,000	7,9

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]

				Yellowstone	River excludin	g Big Horn Rive	r (VI-F)				
		Yell	owstone River d	irect			{	Clarks Fork		Stillwa	er River
Total	Total	Below Miles City (la)	Miles City to Billings (1b)	Billings to Livingston (lc)	Above Livingston (1d)	Tongue Ríver (3a)	Total	Clarks Fork direct (4a)	Ped Lodge Creek (4b)	Total	Stillwater River direct (5a)
									(12)	1	(
308 331, 324 1	110 217, 221	8 63,954	17 72,731	64 71,857	23 8,679	5 4, 175	86 69,541	41 43,901	46 25,640	51 17,058 1	22 7,803
30 217 250,717	74 167,090	7 63, 550	14 58,833	46 39,020	9 5,687	3 4, 175	50 45, 950	28 33, 145	22 12,805	30 50 16,963	22 7,802
257 293,703 36	99 206,778 1	7 63, 550	16 71,831	56 63, 163	22 8,234	4, 175	47 42,458 35	26 32,124 12	21 10,334 24	50 16,963	22 7,802
24, 308 15	650 10	1	1	650 7	·····i		23,658	8,542	15,116	1	
13, 313	9,793	404	900	8,044	445	•••••	3,425	3,235	190	95	•••••
238 184, 583	73 102, 218	6 27,615	12 39,342	49 33, 505	7 1,756	1 2 175	69 48,117	35 32,096	35 16,021	51 17,058	22 7,802
104, 383 ) 60 146, 741	102, 210 31 115, 003	27,013	5 33, 389	13 38,352	1, 130 12 6, 923		16 21,424	6 11,805	10 9,619		
8	5			1	4	1	1		1		
231 287,641	82 197,357	63,954	14 68,516	47 57,977	13 6,910	3 4,175	75 54,739	35, 370	41 21, 369	35 -13,709	15 6,618
62 37,124	18 17,490		3,863	13 12.415	1,212 107	••••	10 13,453 1,349	6 9,773 758	4 3,680 591	15 2,617 637	7 893 291
6,025 5 534	1,935 4 439		307 1 45	1, 221 1 244	107 2 150		1, 349			1 95	
10	- 6			244	4	2	1		1		
124 103	39 24	1	2 6	25 12	12 6	1	23 36	5 18	18 19	19 30	5 16
43 22 3	19 16	1	3 4	14 9	1		21 5	13 5	8		1
3	3 3	2 1	2	1	· · · · · · · · · · · · · · · · · ·	۱ ••••••	•••••	•••••	* • • • • • • • • • • • • • •	••••	
10		•••••				2	1		1		
48 186	19 50	1	2 5	14 30	3 15	1 1	5 57	1 25	4 33	9 40	3
44 14	17 12	2 3	3	12 4	····· 1	······	21 2	13 2	8	2	2
5	5 1	1	3	2	•••••				•••••		
237 19	82 14	8 22	17 10	40 18	19 13	4 5	84 38	41 51	44 31	35 35	7
1,859,146	1, 384, 306 72	341,903	555, 457 16	497, 452 33	90,674 18	37,699 4	321,977 80	215, 398 38	109,429 43	48, 708 34	27,359
1,781,448	1, 327, 941	340, 103	552, 124	457,126	79,768	37,699	300,825	201,435	101,530	48,527	27,359
49	11	1	1	8	1	•••••	37	15	23	1	•••••
77,698	56, 365 81	1,800 8	3, 333 17	40,326 39	10,906 19	4	21, 152 81 40, 589	13,963 40 28,979	7,899 42 12,036	16 1 35 7, 57 1	( 7
455, 535 231	386, 365	125,578 8	169,816 17	108,310 40	18,874 15	2,319	. 83			35	<del>,</del>
1,257,289	897,799 26	196,525 2	367,725 5	344, 291 8	51, 258 12	17,025 1	249,292 16	41 181,022 6	70,694 10	41,070	23, 310
128,026 5	82,099 2	1,800 1	18,916	44,808 1 43	20, 542	355 1	31,910 2	5, 316 1	26, 59 4 1	[ 1	·
18,296	18,043	18,000	• • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • •	18,000	186	81	105	67	1
228 1,014,479 304,273	76 648, 156 208, 152	8 145,495 63,954 2,3	16 239,589 72,379	39 213,405 64,721	14 49,667 7,098 7.0	3 7,312 4,175	83 242,767 67,511	41 174,071 43,143	43 68,696 24,368 2.0	34 40,261 11,749 3.4	23, 258 3, 584 6, 5
3.3	3.1	2, 3	3.3	3.3	3	1.8	3.6 9	4.0 6	3	10	1 1
17,627 3,898	5,353 1,308		836 352	2,926 751	1,591 205		3,685 1,184	3,017 758	668 426	809 456	52 15
4.5 3.4	4.1	2.3	2.4 3.3	3.9 3.4	7.8 7.8	1.8	3.1 3.7	4.0 4.1	1,6 2.8	1.8 3.5	3.5 6.6
724,469	634, 233	254, 598	259, 198	109,810	10,627	2,360	63, 978	48,792	15,186	9,707	3,070
0.71 4,992 0.28	0.98 1,519 0.28	1.75	1.08 634 0.76	0.51 755 0.26	0121 130 0.08	0,32	0.26 1,328 0,36	0.28 887 0.29	0.22 441 0.66	0.24 300 0.37	0.13 7 0.13
205	0.28	2	0.76	48	4,08	4	58	22	37	43	19 7, 132
157,203 35	96,695 18	10,807	55,631	29,642 4	615 12	4,035 1	29°, 585 2	15,725 2	13,860	15,228 I	7,132
54,872 48	48.282 20 71,109	33, 992 4 19, 155	17, 100	11,506 9 29,574	2, 784 6 5, 280	140	1,946 20 33,830	1,946 14 24,428	6 9,402	325 1 395	1 395

Drainage Basin Table 1 (Part 4 of 4) .-- IRRIGATION ENTERPRISES: NUMBER AND . [Tabah in which they had invication . . .

Lincerbasin encerprises are counced in each drainage basin in which they had i	rrigation works, Dut only	

			fellowstone River exc.	luding Big Horn Rive	r (VI-F)-Continued	
		Stil	lwater River-Continu	ned		
			Fishtail Creek direct		-	
	Item (For definitions and explanations, see text)		T	I	Boulder	Shields
		Total	Fishtail Creek direct	East Rosebud Creek	River	River
			(5ь)	(5c)	(6)	(7)
	MULTIPLE-FARM ENTERPRISES, 1950	· · · · · · · · · · · · · · · · · · ·				
1	Multiple-farm enterprises, total number <sup>2</sup> enterprises.	29	15	15	19	42
23	Area irrigated directacres Multiple-purpose enterprises <sup>2</sup> enterprises.	9,256 1	4.096	5,160	9,377	13,952
4	Area irrigated directacres Complete-system enterprises <sup>2</sup> enterprises.	30 28	30 15	14		· · · · · · · · · · · · · · · · · · ·
6	Area irrigated directacres	9,161	4,096	5,065	9,012	27 7,527
7	Enterprises by origin of water supply: <sup>2</sup> No water from other enterprisesenterprises reporting	28	15	14	19	42
8	acres irrigated	9,161	4,096	5,065	9,377	13,952
10	Part of water from other enterprisesenterprises reporting acres irrigated	•••••				
11 12	All water from other enterprisesenterprises reporting acres irrigated	1 95		1 95		
	Enterprises by delivery of irrigation water:2					
13	No water delivered	- 29	15	15		29
15 16	acres irrigated Water delivered to famms and to other enterprisesenterprises reporting	9,256	4, 096	5,160	9,012	8,003
17	acres irrigated				365	12 5,949
18	Water delivered to other enterprises onlyenterprises reporting Enterprises by primary and supplemental irrigation: <sup>3</sup>	*****	•••••	•••••	•••••	1
19	All primary	20 7,093	8	13	13	28
20 21 22 23 24	Part primary, part supplementalenterprises reporting	8	2,432	4,659 1	6, 499 6	11,162 13
22 23	Primary irrigationBupplemental irrigated	1,724	1,370 294	354 52	2, 192 686	1, 372 1, 418
24 25	All supplementalenterprises reporting	1		1		
	Enterprises by number of farms irrigated direct: <sup>2</sup> acres irrigated.		*****	95-	************	*********
26 27	Noneenterprises reporting 1-3enterprises reporting		***************************************	••••••		1
28	4-9enterprises reporting.	14	8	7	8	34
29 30	10-29enterprimes reporting. 30-99enterprimes reporting.	1	******	••••••	3	2
31 32	100-299enterprises reporting. 300-999enterprises reporting.			••••••		*****
33	1,000 or moreenterprises reporting			******		
34	Enterprises by acres irrigated direct: <sup>2</sup> Noneenterprises reporting.					1
35 36	1-99 acresenterprises reporting. 100-999 acresenterprises reporting.	6	5	1	2	12
37.	1,000-2,999 acres	23	10	14	15 1	25 4
38 39	1,000-9,999 acres			•••••	ĩ	
40	30,000 or more					
41	Total obtained from all sources4enterprises reporting	28	14	15	9	28
42 43	percent of all enterprises reporting acre-feet	51 21, 349	42 11,695	65	30	17
44	Surface gourcesenterprises reporting	27	14	12, 694 14	59,695 9	79, 330 28
45	acre-feet Pumped wells	21,168	11,695	12, 513	59, 695	79, 330
445 44 44 49 50 51	acre-feet Other enterprisesenterprises reporting	••••••	•••••	*****	• • • • • • • • • • • • • • • • • • • •	
49	acre-feet	181	•••••	1 181		
51	Conveyance loss 4, acre-feet.	28 3,522	14 2, 385	15 1,897	7 13, 325	28 15,735
52	Delivered: 4 Direct to farmsenterprises 'reporting	28	2,303	- 15	13, 325	191 ( 93
53	acre-feet	17,760	9,310	10,730	46, 370	49,933
53 54 55	To other enterprises		******	*****		9 13, 662
56 57	For use other than irrigationenterprises reporting	1	••••	1		
	nore-feet Delivered direct to farms for primary irrigation: 3	67	*******	67	• • • • • • • • • • • • • • • • • • • •	
58 59	Enterprises reportingQuantity deliveredenterprises	-27 17,003	14 7,425	14 9,578	9 31,022	28 44,961
60 61	Area supplied primary irrigation	8,165	3, 152	5,013	4,809	7,877
	Quantity supplied per acre	2.1	2.4	1.9	6.5	5.7
62 63	Enterprises reportingenterprises Quantity delirerederre-fect	· 9 757	7 530	2	2	7
64	Area supplied supplemental irrigation	441	294	227 147	2,808 295	4,972
65 66	Quantity supplied per acre	1.7	1.8 2.5	1.5 2.0	9.5 7.8	7.6 6.3
67	Cost of water to fights for enterprises reporting quantity delivered, 1984:3 Cost for primary irrigation	6,637				
68	Average cost per acre-foot	0.39	2,702 0,36	3,935 0,41	7,503	6,688 0.15
69 70	Cost for supplemental irrigationdollats Average cost per scre-footdollars	293 0.39	226 0.43	67	247	1,598
71	Average tost per scre-foot			0.30	0.09	0.32
72	No water measured	24 8,096	12 3,623	13 4,473	16 7,847	19 3,813
73 74	Part of water measuredacres irrigated	1		1 325	1	13
75	All water measuredenterprises reporting				221	3,958
76	BETES ITTIGATED.	*******	••••••	**************		2,724

101 <sup>1</sup><sub>4</sub> the for lease than 3 enterprises in Basins 1-C-80, VI-C-6c, VI-C-10, Ind-6-2, and VI-G-3, included only in totals. <sup>2</sup>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. <sup>3</sup>For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State. <sup>3</sup>For interbasin and interstate enterprises, data represent characteristics of the entire enterprise. <sup>3</sup>For interbasin and interstate enterprises, data represent characteristics of the entire enterprise. <sup>5</sup>Calculated 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]

Big Horn R	iver (VI-G)				Misso	ıri Aiver Headv	vaters above Th	ree Forks (V)	(-h)		*	
						J	efferson River				[	1
Total <sup>1</sup>	Big Horn River direct	Total	Total	Jefferson River	Boulder	Big Hole		Beaverhe	ad Piver		Madison Niver	Gallatin River
				direct	River	River	Total	Beaverhead River di- rect	Ruby Piver	Ped Bock Creek		
	(]a)			(1a)	(1b)	(1c)		(1d)	(le)	(1f)	(2)	(3)
9 49,728	7 39,097	850 207,516 2 570	239 121, 351	58 22, 178	32 10,600	42 29,020	107 59,553	49 30,720	35 19,706	23 9,127	35 19,556 1	7 66,60
3 35,251	2 24, 697	257 148,510	163 76, 209	43 14, 302	28 8,622	31 20,257	61 33,028	27 20,405	26 8,983	8 3,640	570 31 15,989	64 56, 31
5 48,154	4 37,600	309 173,586 14	201 89,360 12	50 15,006 5	30 8,622 2	38 27,665	83 38,067 5	42 23, 637 3	30 9,890 2	11 4, 5 10	34 19,036 1	7 ( 65, 190
4 1, 574	3 1, 497	18,042 27 15,888	16,172 26 15,819	6,095 3 1,077	1,978	4 1,355	8,099 19 13,307	5,628 4 1,455	2,471 3 7,345	12 4,587	520	1,350 1 69
5 6,843	3 5, 212	257 139,737	166 77, 125	40 14,063	26 9,023	32 19,638	68 34,401	30 18,723	25 9,763	13 5,915	29 14, 336	61 48, 27 6
42,885	33,885	77 67,779 16	58 44, 226 15	15 8,115 3	4 1,577 2	10 9,382	29 25,152 10	12 11,997 7	9 9,943 1	3, 212 2	5, 220	13 18,333 1
40, 411 1	6 38,780	286 143, 449 31	190 89,469 19	47 18, 177 7	29 10,130	40 24,020 1	74 37,142 11	32 20, 171 7	29 10,209 3	13 6,762 1	34 19,050	63 34,930 12
7,540 1,460 1 317	1 317	44,696 9,432 17 9,939	17,583 6,316 15 7,983	2,806 514 1 681	1 .470	400 2,000 1 2,600	14,377 3,802 12 4,232	7,295 2,874 3 380	6,922 778 2 1,797	160 150 7 2,055	1 506	27,113 3,110 1 1,450
		16 226	15 164	3 31	2 24	38	10 71	730	1 20	2,000 21		1, 733 139 17
2 2 1 2	1 1 1	70 32 6	44 15 1	18 5 1	4 2	ۍ 1 	19 7	3	10 4		10 2	11 15 5
2	2					·····	••••••		•••••		••••••	
4 1	4	16 43 239 40	15 25 169 24	3 9 43 2	2 7 22 1	2 30 10	10 7 74 11	7 2 32 4	1 5 23 5	2 19 2	2 28 5	1 16 43 11
1 3	1 2	12 	6 	1		•••••	5	4	1		•••••	• 6
8 14 326,480	7 28 258,073	317 29 1,242,674	212 26 859,034	51 35 134, 211	31 34 67,109	35 18 157,561	95 26 500, 153	44 25 242, 435	29 29 135, 222	22 23 122,496	32 24 73,437	74 48 311, 273
5 253,947	4 253,947	289 1, 129, 821 2	185 740,011 1	48 124,017	30 61,057 1	31 143,824	76 419, 113	40 220, 551	26 111,711	10 86,851	32 72,327 1	73 310, 553
4 72,533 8	3 4, 126 7	1,575 40 111,278 305	465 38 110,558 201	8 10, 194 51	465 2 5,587 26	4 13,737 34	24 81,040 90	7 21,884 43	5 23,511 26	12 35,645 21	1, 110 	7 20 7 20 7 3
92,951 8 222,195	70,845 7 175,894	234,686 305	152,022 201	32, 637 49	10,961 29	19,928 35	88, 496 88 292, 483	49,841 40	17,055	21,600 20	11,285	71,538
4 11, 334	11, 334	836,215 63 167,003 4	543,708 49 159,281 2	86,839 11 14,735	50,148 5 6,000	115,238 4 23,395	29 115, 151 2	164,464 16 28,057 1	88,013 4 26,204 1	40,006 9 60,890	59,692 3 2,460	233,726 11 5,265 2
7 169,844	6 133,714	4,770 289 754,680	4,023 187 485,910	48 80,700	28 49,008	34 109,058	4,023 77 247,144	73 38 148,927	3,950 26 - 70,425	13 27,792	31 58, 102	747 72 210, 668
46, 397 3.7	38,780 3.4	172, 328 4.4	94,743 5.1	17,230 4,7	9,926 4.9	18,984 5,7	48,603 5,1	27, 179 5. 5	15,602 4.5	5,822	16,405 3.6	61,180 3.4
2 6,930 1,777 3.9 3.8	1 930 317 2.9 3.4	45 81,535 17,308 4.7 4.6	31 57,487 12,236 4.7 5.3	8 5,820 1,195 4,9 5,0	1 1, 140 470 2. 4 5.0	1 5, 180 2, 60 0 2.0 5.8	21 45,339 7,971 5.7 5.4	8 15,537 3,191 4.9 5.7	5 17,588 2,575 6.8 5.1	8 12,214 2,205 5.5 5.1	1 990 506 2.0 3.8	13 23,058 4,566 5.0 3.9
86,259 0.51 5,082 0.73	70,853 0.53 2,230 2.40	116,070 0,15 5,176 0,06	49,209 0.10 4,176 0.07	13, 353 0. 17 610 0. 10	5,340 0,11 0 0,00	5,913 0.05 100 0.02	24,603 0,10 3,466 0.08	13,631 0,09 1,624 0,10	10,672 0,15 1,842 0,10	300 0.01 0 0.00	20, 397 0, 35 0 0,00	46, 464 0, 22 1, 000 0, 04
49,651 1 77	7 39,097	229 10 2, 607 31 52, 855 60	158 65,605 12 15,102 45	36 10,003 3 5,740 16	24 6,971 2 1,978 4	38 23, 886 1 484 2	60 24,745 6,900 23	28 12,859 5 2,295 11	15 4,461 1 4,605 12	17 7,425	17 11,036 3 1,108 11	55 25,966 16 36,649 3,77

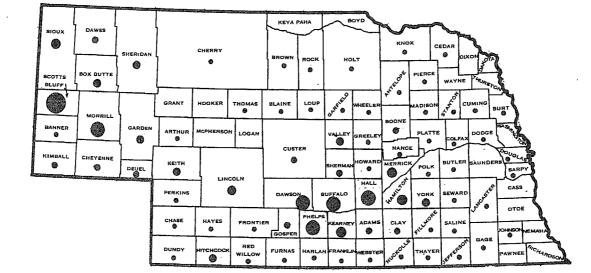
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# NEBRASKA

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LEGEND

- 5,000
- 10,000 19,999 ACRES

20,000 - 49,999 ACRES

50,000 - 99,999 ACRES

100,000 - 199,999 ACRES

- 9,999 ACRES

- · LESS THAN 5,000 ACRES

NEBRASKA: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949

# **NEBRASKA**

#### State Table 1.-IRRIGATION SUMMARY: 1890 TO 1950

Census year	All farms <sup>1</sup> (number)	All land in farms <sup>1</sup> (acres)	Irrigated farms <sup>1</sup> 2 (number)	Irrigated report Farms <sup>1</sup> (acres)	acreage ed by Irrigation enterprises (acres)	Irrigation enterprises (number)	Total capital investment in irrigation enterprises (dollars)
1950. 1945. 1940. 1938. 1930. 1920. 1910. 1910. 1900. 1890.	107, 183 111, 756 121, 062 133, 616 129, 458 124, 417 129, 678 121, 525 113, 608	47, 466, 828 47, 752, 941 47, 343, 981 46, 615, 762 44, 708, 765 42, 225, 475 38, 622, 021 29, 911, 779 21, 593, 444	9,680 7,156 6,913 5,140 4,602 3,021 1,852 1,932 1,932 214	876,259 631,762 <sup>3</sup> 473,775 <sup>4</sup> 345,417 5404,481 (**) (**) 148,538 11,744	887,239 (*) 610,379 (*) 532,617 442,690 255,950 (*) (*)	5,583 (*) 2,717 (*) 721 470 474 (*) (*)	56, 463, 881 (*) 39, 056, 207 (*) 21, 386, 319 13, 909, 185 7, 798, 310 1, 310, 698 47, 798

Not available. Available data not comparable. Consus of Agriculture. <sup>1</sup>Census of Agriculture. <sup>2</sup>Farms reporting irrigated land, 1950, 1945, 1900, and 1890 Censuses; farms reporting irrigated cropland harvested, and/or irrigated pasture, 1940 Census; farms reporting irrigated cropiand harvested, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses. <sup>3</sup>Irrigated land from which crops were harvested plus 10,869 acres of irrigated land used only for pasture. <sup>4</sup>Irrigated land from which crops were harvested. <sup>5</sup>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		Cenau	us of—	
(For definitions and explanations, see text)	1950	1940	1930	1920
Unterprises	5, 583	2,717	721	470
Single-farmnumber	5, 515	2,620	655	(•)
Unincorporated,number Incorporated,number	11	15	20	
Commercialnumber	1	5	10	
Eistrict	39 2	38 4	31 1	
U. S. Bureau of Indian Affairsnumber State		7	3	
City,Other				(*)
Irrigated land, total <sup>2</sup>	887,239	610, 379	532,617	442,690
Acreage irrigated, by type of enterprise: <sup>3</sup> Single-farm	405, 631	141,965	57.472	68, 140
Nutual:	5,873			, i i i i i i i i i i i i i i i i i i i
Unincorporated	43,289	61,617	54,811	55,408
Commercial	( <sup>4</sup> ) 445,138	28,723 291,368	53,574 219,590	25, 335 206, 206
U. S. Bureau of Reclamation <sup>1</sup> acres. U. S. Bureau of Indian Affairsacres.	513,231	257,401	147,026	87, 558
Stateacres.		762	134	
City		176	10	43
Streams (and lakes)acres	569,151	674,201	505, 304	438,847
Springs	1,040	2,230 361	414	2,050
Pumped wells	362, 396 110	( <sup>7</sup> ) <sup>101,769</sup>	23, 522	661 120
Other and not reportedacres	16,119	79,116	3, 447	1, 127
Irrigated land artificially drainedacres. Irrigated land in need of drainage	106, 585 32, 284	47,538 10,305	122, 101 51, 505	10,793 26,606
Irrigation works:			105	
Diversion damstotal number Reservoirsnumber	488	351	185	260
Total capacity (reported)acre-feet	133, 934	2,306,159	199,185	197,890 73
Reservoir damstotal number Canals and ditchestotal length, miles	114 4,613	3, 331	3,465	3, 325
Pipe linestotal length, miles Flowing wells	88	126	28	4
Pumped wells	7,157	2,412	537	34
Äverage pumping lift (reported)feet Pumps	46 7,734	34 2,848	(*) 636	(*) 54
Average pumping lift from all sourcesfeet	(•)	32	29 21, 386, 319	24 13,909,185
Capital investments, totaldollars	56, 463, 881	39, 056, 207	21, 300, 319	13, 905, 103
Capital investment by type of enterprise: Single-farm	14, 489, 545	2,967,486	1,041,547	1,146,227
Unincorporateddollars	111, 391	109, 591	3 751, 302	547, 104
Incorporated	1,047,570 (4)	1,036,557	899,054	726,560
District	21,791,872	19,205,720	5,082,366 13,603,568	2,811,474 8,674,250
U. S. Bureau of Reclamation <sup>1</sup> dollars U. S. Bureau of Indian Affairadollars	<sup>5</sup> 17,946,460	14,659,810		0,014,230
Statedollars	37,300	37,300	7,482	
Citydollars Other	12,733	12,733	1,000	3, 570
	1		L	

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Not available. <sup>1</sup>For 1950, not including Bureau of Reclamation projects operated by water users, which are classified under other types of enterprises. <sup>2</sup>Acreage reported by irrigation enterprises. For 1950, acreage supplied primary irrigation; for 1940, acreage irrigated by "primary enterprises"; for 1920 and 1930, "primary" and <sup>a</sup>supplemental" irrigation not differentiated. (See text.) <sup>3</sup>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" <sup>4</sup>Data for less than 3 enterprises alows with permission of enterprise. <sup>5</sup>Pata for 1940, 1930, and 1920 combined as follows: "Stored storm water" with "Streams and lakes"; "Other mixed" with "Other and not reported."

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#### 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]

	otherwise Aoted. Parms and acreage in				Type of er		ht 1997		
				Mut	ual		U.S.Bureau o	f Beclamation	
	Item (For definitions and explanations, see text)	All types	Single- farm	Unincor-	Incor-	District	Operated	Operated	All or part of water from U.S.B.B.
		0,600	10,10	porated <sup>1</sup>	porated		by Bureau <sup>2</sup>	by water users <sup>3</sup>	projects <sup>3 4</sup>
	ENTERPRISES: FARMS AND LAND IRRIGATED	·			· · · · · ·				
12	Number of enterprises	5,583 2,717	5,515 2,620	12 15	15 24	39 38	2 4	(*) 3	(*)
3	Farms irrigated direct per enterprisefarms 1949	2.0	1.0	5.0	37,8	131.3	81.0	474.3	173.3
4 5	Area irrigated directacres 1949 acres 1939	913,792 782,012	405,631 141,965	6,503 7,764	43,289 53,853	445,138 291,368	13,231 257,401	148,820 (*)	78,622 (•)
6	Average per enterpriseacres 1949	164	74	542	2,886	11,414	6,616	49,607	13, 104
_	CHARACTERISTICS OF ENTERPRISES, 1949	,							
78	Multiple-purpose enterprisesacresacresacres	83,062	 5 140			83,062		•••••	
9 10	Complete-system enterprisesArea irrigated directacres	5,196 578,606	5,148 392,747	10 6,328	8 24,928	28 141,372	13,231	•••••	4,663
	Enterprises by origin of water supply: No water from other enterprisesenterprises reporting	5, 393	5, 344	12	0	94			
11 12 13	Rowaler from other enterprisesenterprises reporting acres irrigated Part of water from other other enterprises.enterprises reporting	600,912	393,247	6,503	19,228	168,703 10	13,231		
14	art of water from other other enterprisesenterprises reporting acres irrigated All water from other enterprisesenterprises reporting	156,918 122	6,127 118		23, 176	127,615			78,622
15 16	All water from other enterprisesenterprises reporting acres irrigated	155,962	6,257		885	148,820	• • • • • • • • • • • • • •	148,820	
17	Enterprises by delivery of irrigation water: No water deliveredenterprises reporting	193	193						
18	Water delivered direct to farms onlyenterprises reporting acres irrigated.	5,368 623,239	5,319 405,131	10 6,328	11 22,709	27 186,340	1 2,731	1 50,807	5 30,122
20	Water delivered to farms and to other enterprisesenterprises reporting.	20	3	0,320	22,109	100,040	1	2	1
21 22	acres irrigated Water delivered to other	290, 553	500	175	20, 580	258,798	10,500	98,013	48,500
	enterprises onlyenterprises reporting	2			1	1	•••••	••••••	••••
23	Enterprises by primary and supplemental irrigation: <sup>5</sup> All primaryenterprises reporting	5,131	5,090	12	6	22	1	1	. 2
24 25	acres irrigated Part primary, part supplementalenterprises reporting	706,701 36	388,700 11	6,503	14,066 8	286,932 16	10,500 1	50,807 2	22,856 4
26 27	Primary irrigationSupplemental irrigated	180,538 10,987	665 700		26,881 2,342	150,572 7,634	2,420 311	97,235 778	53,757 2,009
28 29	All supplementalacres irrigated.,	221 15,566	221 15,566					•••••	•••••
	Enterprises by number of farms irrigated direct:					-			
30 31	Noneenterprises reporting 1-3enterprises reporting	195 5,327	193 5,320	7	1	1	•••••	•••••	•••••
32 33	4-9	10 17	2	3 2	34	11 11	•••••		2
34 35	30-99enterprises reporting 100-299enterprises reporting	18 10		· · · · · · · · · · · · · · · · · ·	3	14 6	1	1	2
36 37	300-999enterprises reporting 1,000 or moreenterprises reporting	5 1			۱ ۰۰۰۰۰	4 1	•••••	1	••••••
	Enterprises by acres irrigated direct: Noneenterprises reporting	100	102		,	1			
38 39 40	None	195 1,001 3,027	193 1,001 3,025	2				· · · · · · · · · · · · · · · · · · ·	
41	100-499enterprises reporting	1,277	1,268	6	1	2		•••••	
42 43	500-999	32 20	24 4	、 1 3	2	57			1
44 45	3,000-9,999	19 8		· · · · · · · · · · · · · · · · · · ·	6 	13 7	1		2
46	30,000 or more	4			•••••	4	•••••	2	•
	USE OF SURFACE, GROUND, PUMPEE AND STORED WATFR, 1949								
47	Surface water: Gravity onlyenterprises reporting	223	157	12	14	38	2		5 76 056
48 49	acres irrigated Pumped onlyenterprises reporting	508,854 420	22,670 420	6,503	42,264	424,186	13,231	· · · · · · · · · · · · · · · · · · ·	76,956
50 51	acres irrigated Gravity and pumpedGravity and pumped	20,087 25	20,087 24			1		3	
52 53 54	acres irrigated Ground water only (pumped from wells)enterprises reporting.	22,455 - 4,661	1,503 4,661			20,952	· · · · · · · · · · · · · · · · · · ·	148,820	
55	acres irrigated Surface (gravity or pumped) and groundenterprises reporting	339,227 254	339,227 253		1	•••••			1 1,666
56	ncres irrigated Stored water:	23,169	22,144	•••••	1,025			••••	1,000
57 58	None stored	5,405 532,571	5,362 394,166	11 5.873	8 19,228	23 110, 573	2,731		
59 60	Part storedPart stored	65 374,959	5,833		19,228 6 24,061	110, 513 16 334, 565	10,500	3 148,820	6 78,622
61 62	All storedAll stored	113 6,262	111 5,632	1 630	24,001		20,000		
	Not available.	0,202	.,,002	030					L

Not available.
 For the 1950 Census, includes data for 1 "Commercial" enterprise.
 <sup>2</sup> Data for less than 3 enterprises shown with permission of the enterprise.
 <sup>3</sup> These enterprises also included under "District" or other types of enterprises as the case may be.
 <sup>4</sup> Single-farm enterprises receiving water from Bureau of Beclamation not included.
 <sup>5</sup> For interstate enterprises, data represent characteristics within the State.

#### NEBRASKA

#### 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?

			each enterpri	sej					
					Type of en				
	Item			Mut	ual	-	U.S.Bureau of	Reclamation	All or part
	(For definitions and explanations, see text)	All types	Single- farm	Unincor- porated <sup>1</sup>	Incor- porated	District	Operated by Bureau <sup>2</sup>	Operated by water users <sup>3</sup>	of water from U.S.B.R. projects <sup>3</sup> 4
	SOURCES OF SURFACE WATER, 1949 <sup>5</sup>								
1	Streams (and lakes)	825	757	12	15	39	2	3	6
3	acres irrigated Springsenterprises reporting	569,151 19	60,990 19	6,503	43, 289	445,138	13,231	148,820	78,622
4	acres irrigated Flowing wells	1,040	1,040 61		· · · · · · · · · · · · · · · · · · ·			•••••	•••••
67	acres irrigated Drainage waterenterprises reporting	4,534	4, 534						
8	acres irrigated.	43 16,119	41 2,090		· · · · · · · · · · · · · · · · · · ·	14,029		9, 029	5,000
9 10	Sewageenterprises reporting acres irrigated	2 110	2 110						•••••
$\frac{11}{12}$	Other sourcesenterprises reporting								••••
12	acres irrigated DRAINAGE OF IRRIGATED LAND, 1949			•••••		•••••		• • • • • • • • • • • • •	•••••
	Irrigated land drained:							_	
13 14	Enterprises reportingArea supplied primary irrigationacres.	319 313,192	299 29.611	. <i>.</i>	6 33,079			2 139.025	61,500
15	Area artificially drainedacres Irrigated land in need of drainage:	103, 297	16,029		9,800	77,468		55,907	13,629
16	Enterprises reportingenterprises.	481	465	1	4	11		3 148,042	2 59,127
17 18	Area supplied primary irrigationacres Area in need of drainageacres	300,133 32,284	42,580 13,644	75 15	19,071 10,329	238,407 R,296		4,846	600
	TRRIGATION WORKS, 1950								
19 20	Diversion damsdams	342 488	296 426	9 11	11 14	24 35	22		5
	Diversion dams by material:				10	23			,
21 22	Concrete or masonry,	92 21	50 15		2	4		•••••	1
23 24	Earth and rockdams Other, mixed, and not reporteddams.	351 24	345 16	2	1	35			2
25	Reservoirsenterprises reporting	87	82	Ĩ		37		1	
26 27	reservoirs Reservoirs for which capacity was reportednumber	114 96	105 88	·····		7	1	3	
28	total capacity, acre-feet	133,934	9,452			93,182	31,300	75,648	••••
29	Reservoirs by capacity: 1-99 acre-feetreservoirs	70	70 14			2			
30 31	100-999 acre-feetreservoirs 1,000 acre-feet and over	16 10	4			5	1	3	· · · · · · · · · · · · · · · · · · ·
32	Reservoir dams by material: Concrete or masonrydams	3	3						
33	Farth and rock	96 15	88 14			7	1	3	• • • • • • • • • • • • • • • • • • •
34 35	Other, mixed, and not reportedenterprises reporting	519	453	11	15	38	2	3 1,132	6 572
36 37	total length, miles Pipelines and siphons	4,613 109	617 95	54	325 3	3,537	1	1,132	2
3R		88	69		1	18		3	2
39 40	Tunnelstotal length, feet	6,600				6,600		6,600	
41	Flowing wells	61 89	61						
42 43	Pumped wellsenterprises reporting	4, 910	4,909						5
44 45	wells Wells for which pumping lift was reported	7,157 6,790	6,788		2				12
46 47	Average pumping lift	46 5,322	5,320		1	1			1
4R	pumps	7,734	7,730			2			Ĩ
49 50	Electric motors used for pumpingenterprises reporting electric motors	1,791	1,787		2	2			5
51	Other motors and engines used for pumping	4,412	4,412						
52	other motors and engineer	5,721	5,721						
	SEASON OF IBBIGATION, 1949	34	34						
53 54	Water delivered only before July 1enterprises reporting acres irrigated	5,108	5,108 932			39	2	3	5
55 56	Water delivered before and after July 1enterprises reporting acres irrigated	999 605,953	98,422	5,873	43,289	445,139	13,231	148,820	78,622
57	Water delivered only after July 1enterprises reporting acres irrigated	4,190 292,501	4,190 292,501						
58	CAPITAL INVESTMENT, 1950 AND 1940								
59	Capital investment in invigation works and water rights	39,056,207	2,967,486	109,591	1,036,557	19,205,720	14,659,810	(•)	(•)
	to Jan, 1, 1940 In 1, 1040 to Jan, 1, 1950;				4	13	2		2
60	Enterprises reporting	4,109 17,407,574	4,085 11,522,059	1,800	11,013	2,586,152	3,286,650		23,550 22,856
61 62		506,769 56,463,881	313,934 14,489,545	2,269 111,391				(*)	(•)
63	Area irrigated direct	0-1, 400, 001		1					
	Outstanding bonds, construction cost, and other funded								
۰.	obligations, Jan. 1, 1950:	31		1				9,386,186	910, 375
64 65		18,911,386 414,043		5,313 1,181		395,840		148,820	
66	Area irrigated direct or interest on bonds.			ŀ		1		.	.
	construction cost, and other funded obligations, ban, 1, 1900	7			1		i	71,481	36,77
67 68	Enterprises reporting	457,418 132,849			1,251			98,013	12,38
69	Amountacres	L	JI						

Not available.
 <sup>1</sup> For the 1950 Census, includes data for 1 "Commercial" enterprise.
 <sup>2</sup> For the 1950 Census, includes data for 1 "Commercial" enterprise.
 <sup>2</sup> These enterprises also included under "District" or other types of enterprises as the case may be.
 <sup>3</sup> These enterprises also included under "District" or other types of enterprises as the case may be.
 <sup>4</sup> These enterprises also included under "District" or other types of enterprises as the case may be.
 <sup>5</sup> These enterprises also included under "District" or other types of enterprises are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprises receiving water from Bureau of Reclamation projects.
 <sup>6</sup> Not reneage reporting water from more than 1 State.
 <sup>6</sup> Not 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]

_	2 or more enterprises is counted for each enterprise												
	*		r			terprise							
	Item		e÷	Mut	ual		U.S.Bureau o	f Reclamation	All or part of water				
	(For definition and explanation, see text)	All types	Single- farm	Unincor- porated <sup>1</sup>	Incor- porated	District	Operated by	Dy water :	from U.S.B.R. projects <sup>1</sup>				
				poracea	poraceu		Bureau <sup>2</sup>	users <sup>3</sup>	projecta				
	COST OF WATER TC FARMS, 1949 <sup>5</sup>												
	Total cost of water to farms:												
1 2	Enterprises reportingdollars	5,388 3,012,244	5,322 1,294,128	12 4,508	14 <u>11</u> 9,999	38 1,563,050	2 30,559	3 685,187	6 274,651				
3 4	Area irrigated directacres Cost per acre irrigated directdollars	913,792 3.30	405,631 3.19	ና,503 በ.6ዓ	43,289 2.77	445,138 3.51	13,231 2,31	148,820 4.60	78,622 3,49				
	Enterprises by cost per acre:												
5 6	Less than \$1.00acres it is guide	712 95,840	694 64,609	10 4,692	6,309	20,230	· · · · · · · · · · · · · · · · · · ·		•••••				
7 8	\$1.00-\$1.99acres reporting acres irrigated.	1,069 134,043	1,055 83,715	2 1,811	7,057	10 41,460			•••••				
9 10	\$2,00-\$4.99acres irrigated	2,482 555,778	2,451 191,890	·····	8 29,923	21 320,734	2 13,231	2 98,013	78,622				
5 6 7 8 9 10 11 12 13	\$5.00-\$9.99acres irrigated.	827 115,424	824 52,710	•••••	· · · · · · · · · · · · · · · · · · ·	3 62,714	•••••	1 50,807	•••••				
13 14	\$10.00 or more	298 12,707	298 12,707			•••••	· · · · · · · · · · · · · · · · · · ·						
	Cost of water for primary irrigation:								<i>,</i>				
15 16	Enterprises reportingdollars	5,167 2,943,605	5,101 1,252,614	12 4,508	14 111,559	38 1,545,608	2 29, 316	682,705	268,362				
17 18	Area supplied primary irrigationacres Cost per scre supplieddollars	887,239 3.32	389, 365 3.22	6,503 0.69	40,947 2.72	437,504 3,53	12,920 2,27	148,042 4.61	76,61 <b>3</b> 3,50				
	Cost of water for supplemental irrigation:								*				
19 20	Enterprises reportingdollars.	257 68,639	232 41, 514	•••••	8,440	16 17,442	1,243	2, 482 778	б, 289 2, 009				
21 22	Area supplied supplemental irrigation	26,553 2.58	16,266 2.55		2,342 3.60	7,634 2.28	311 4.00	3. 19	3.13				
	Cost to farms for purposes other than operation and maintenance: <sup>6</sup> Enterprises reportingenterprises.	14		1	1	12		3	2				
23 24 25 26	Costdollars.	489,105		1,830	3,125 2,500	484,151 308,364		335,932 148,820	29,930 49,100				
25 26	Area irrigated directacres Cost per acre irrigateddollars	312,045 1.57		1,181 1.55	1.25	1.57		2.26	0.40				
n <del>4</del>	Arrearage in payments by farms, Jan. 1, 1950:6 Enterprises reportingenterprises	16		1	5	. 10		2					
27 28 29	Amount	213,177 250,044		480 1,181	11,049 22,331	201,648 226,532		78,363 98,013					
27	-	230,044		1,101	12,001	220,002							
	QUANTITIES OF WATER REPORTED, 1949 <sup>6</sup> Total obtained from all sources <sup>7</sup> enterprises reporting.	65		11	14	20	9	3	6				
30 31	Surface sourcesenterprises reporting.	3,879,942 61		10,652 11	120,180 13	3,722,066	27,044	737,842	350,674				
31 32 33 34 35	Pumped wellsenterprises reporting.	2,872,477		10,652	105,760	2,729,021	27,044		175,204 1				
35	Other enterprises	500 19			500 6				500				
36 37 38	Conveyance loss <sup>7</sup>	1,006,965			13,920	993, 045 38		737,842	174,970				
39	acre-feet.	1,125,438		1,888	31,761	1,084,428	7,361	368,747	131,864				
40	Delivered: <sup>7</sup> Direct to farmsenterprises reporting.	63		11	13	37	2	3	6				
41	acre-feet To other enterprisesenterprises reporting.	950,477 17		8,172	81,729	840,893 12	19,683	354, 151 2	168,014 1				
42 43 44	acre-feet For use other than irrigationenterprises reporting	172,182		592	1,890	169,700 8		14,944	49,996 1				
45	acre-feet,.	1,631,845		•••••	4,800	1,627,045		• • • • • • • • • • •	800				
45	Delivered direct to farms for primary irrigation: Enterprises reportingenterprises	63		11	13	37	2	3	6 163, 319				
47 48	Quantity deliveredacre-feet Area supplied primary irrigationacres	898,262 492,153		8,172 5,873	74,186 37,480	796,737 435,880	19,167 12,920	325,454 148,042	76,613				
49	Quantity per acre suppliedacre-fest.	1.8		1.4	2.0	1.8	1.5	2.1	2,1				
50	Delivered direct to farms for supplemental irrigation: Enterprises reportingenterprises.	24			7	16	1	2	4,695				
51 52	Quantity deliveredacre-feet Area supplied supplemental irrigationacres	22,066 10,254		•••••	4,723 2,309	16,827 7,634	516 311	1,368	2,009				
53	Quantity per scre suppliedacre-feet.	2.2			2.0	2.2	1.7	1.8					
54	Cost of water to farms for enterprises reporting quantity delivered: Cost for primary irrigationdollars.	1,676,836		3,508	108,960	1,535,052	29,316	682,705 2.09	268,362 1,64				
55 56	Average cost per acre-footdollars Cost for supplemental irrigationdollars	1.87 27,099		0,43	1,47 8,414	1.93 17,442	1.53	2,482 1,81	6,289 1.33				
57	Average cost per acre-footdollars Measurement of water to farms:	1.23			1.78	1.04	2.41	1.01					
58	No water measured	47		10	11	25 89,454	1 2,731		3 71,356				
59 60 61	acres Part of water mensuredenterprises reporting	123,101		4,692 1 1,181	26,224 3 16,180	89,434 2 22,725	2, (31						
61 62 63	acres. All water measuredenterprises reporting.	40,086 11 265,041		1,181	1 885	253,656	1 10,500	3 148,820	3 7,266				
0.0	acres	203,041			003	ال 1, 5 ل ه	L		L				

<sup>1</sup> For the 1950 Census, includes data for 1 "Commercial" enterprise. <sup>2</sup> Data for less than 3 enterprises shown with permission of the enterprise. <sup>3</sup> These enterprises also included under "District" or other types of enterprises as the case may be. <sup>4</sup> Not including single-farm enterprises receiving water from Bureau of Beclamation projects. <sup>5</sup> Enterprises with reported cost of \$0 in 1949 are included. <sup>6</sup> Not reported by single-farm enterprises. <sup>7</sup> For interstate enterprises, data represent characteristics of the entire enterprise.

#### **NEBRASKA**

#### 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]

T	except where otherwise noted. Farms a			Type of				Acres in	rigated <sup>2</sup>	
	Item	Total complete-	Surfe	ice <sup>3</sup>						
	(For definitions and explanations, see text)	system enterprises <sup>I</sup>	All gravity	All pumped	Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
	ENTERPRISES: FARMS AND LAND IRRIGATED									
1 2 3 4	Number of enterprises	5,196 1.5 578,606 111	178 11.9 184,815 1,038	309 1.0 15,976 52	4,490 1.0 338,447 75	219 2.7 39,368 180	3,890 1.0 184,745 47	1,269 1.1 210,149 166	32 38,4 112,235 3,507	5 208.6 71,477 14,295
	CHARACTERISTICS OF ENTERPRISES									
5	Multiple-purpose enterprises	1 12,000	1 12,000					•••••	•••••	1 12,000
78	Type of enterpriae: Single-farmacres	5,148 392,747	131 19,908	309 15,976	4,490 338,447	218 18, 416	3,889 184,655	1,255 202,967	4 5,125	
9	Mutual: Unincorporatedenterprises	9	9		•		1	5	3	
10 11 12	acres irrigated	5,698 8 24,928	5,698 8 24,928		·····		(4)	1,493 2 ( <sup>4</sup> )	4,115 6 23,808	
13	Commercialenterprises	1	1			· · · · · · · · · · · · · · ·		. 1		
14 15 16	acres irrigated Districtenterprises. acres irrigated.	( <sup>4</sup> ) 28 141,372	( <sup>4</sup> ) 27 120,420			i ( <sup>4</sup> )		(*) 6 3,939	18 76,456	4 50,977
17	U. S. Bureau of Reclamation <sup>5</sup> enterprises	2	2						1	1
18 19	acres irrigated. U. S. Bureau of Indian Affairaencerprises acres irrigated	13,231	13,231				•••••	•••••	2,731	10, 500
20 21	acres irrigated Stateenterprises									
22 23	scres irrigated Cityenterprises		•••••		• • • • • • • • • • • • • • • • • • •		•••••			
24	acres irrigated	•••••	• • • • • • • • • • •	• • • • • • • • • • •		·····		•••••		
25 26	Enterprises by primary and supplemental irrigation: <sup>6</sup> All primary	4,952 482,824	154 108,849	299 15,516	4,287 324,281	212 34,178	3,721 177,728	1,207 197,444	21 66,975	3 40,677
27 28 29	Part primary, part supplementalenterprises reporting Primary irrigation	28 72,668 7,826	17 68,334 6,959		11 701 700	3,633 167	6 166 256	9 3,347 665	11 40, 243 5, 017	2 28,912 1,888
30 31	All supplementalacres irrigated.	216 15,288	7 673	10 460	192 12,765	7 1,390	163 6, 595	53 8,693		
20	Enterprises by number of farms irrigated: 1-3enterprises reporting	5,151	136	309	4,489	217	3,889	1,258	4	
32 33 34	4-9enterprises reporting. 10-29enterprises reporting.	9	7 14		1	1	1	7	10	
34 35 36	30-99enterprises reporting. 100-299enterprises reporting.	15	15						15 2	4
37 38	300-999enterprises reporting 1,000 and over	1	•••••	•••••						1
39	Enterprises by acreage irrigated: 1-29enterprises reporting.	947	31	122	757 2,601	37 131	947 2,943			
40 41	30-99enterprises reporting. 100-499enterprises reporting.	2,943 1,242	54 47 12	28	1,121	46		1,242		
42 43	COD-999	27 16	14		i î	1				
44 15	3,000-9,999	16 *5	16 4			1				5
46	30,000 and over									
	PUMPED AND STORED WATER Surface water:								30	
47 48	Gravity only Gravity only acres irrigated	178 184,815	178 184,815				85 3,330 278	20,330 31	110,630	50,525
48 49 50	Pumped onlyacres irrigated.,	309 15,976		309 15,976			9,838 16			
51 52	Gravity and pumpedacres reporting acres irrigated	19 21,826	•••••			21,826		285		20,952
53 54	Ground water only (pumped from wells)enterprises reportingacres irrigated	4,490 338,447	•••••		4,490 338,447		3,359 163,110		1 1,120	
'55 '56	Surface (gravity or pumped) and groundenterprises reporting acres irrigated	200 17,542				200 17,542			1 485	
57	Stored water: None storedenterprises reporting	5,114	132	292	4,484	206	3,841	1,243		33,977
57 58 59	Pone storedacres irrigated Part stored	510,419	119,075	15,306	337,959	38,079	12	15	4	3
60 61	All storedenterprises reporting.	64, 579 48	25	202 13	- 330	710	37	11		37,300
62	All stored	3,608	2,403	468	158	579		<u> </u>		

<sup>1</sup> "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, and (2) obtained less than 10 percent of their water from other irrigation enterprises, and (2) obtained less than 10 percent of their water from other irrigation enterprises. <sup>3</sup> Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise. <sup>3</sup> Surface water includes water from springs and from flowing wells. <sup>4</sup> Data for less than 3 enterprises shown separately. <sup>5</sup> That for less than 3 enterprises shown with permission of the enterprise. <sup>6</sup> For interstate enterprises, data represent characteristics within the State.

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# 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			f water <sup>2</sup>	····		Acres	irrigated <sup>2</sup>		
	Jtem (For definitions and explanations, see text)	complete- system enterprises <sup>1</sup>	All gravity	All pumped	Ground (pumped wells)	Mixed	1 to 99	100 to 999	l,000 to 9,999	10,00 and over
	SCURCES OF SUBFACE WATER <sup>4</sup>			Panhoa						· · ·
s	reams (and lakes)	613	165	285		163	3 450	1.07		
S	acres irrigated 	234,745	184,490			35,120	5 17,995	34,158		
	acres irrigated owing wellsenterprises reporting.	1,040	710				1 17	519	۰   ۰۰۰۰۰۰۰۰۰	
		58 4, 534	216	. j		50	50	8		
Dı	ainage waterenterprises reporting	39	2	25		1,000				
Se	acres irrigated wageenterprises reporting	6,955	15,057			1,033	1,107	848		
	acres irrigated her sources	110		1		110			1	
1.11	acres irrigated.,	· · · · · · · · · · · · · · · · · · ·								
	DRAINAGE OF TERTGATED LAND						•••••			
Ir	rigated land drained:									
	Fnterprises reportingenterprises	305	12	21	258	14	189			
	Acreage supplied primary irrigationacres. Acreage artificially drainedacres.	97,760	68,982	1,306	25,974	1,498	10, 582			
Ir	rigated land in need of drainage:	28,005	12,616	639	14,352	398	6,009			
	Enterprises reportingenterprises Acreage supplied primary irrigationacres	465	10		414		306	153	5	
	Acreage in need of drainageacres.,	79,494 19,551	24,605		37,206					
	IBBICATION WORKS				12,400	031	6,351	7,013	5,787	
Din	ersion damsenterprises reporting	298	141	26		101				
	ersion dams by material; dams	434	195	29		131 210	170 249	100	25	1
	Concrete or masonry	67	51	1		12				
	Timberdams Farth or rock	18	11	2		12	13 8	30	19	
	Uther, mixed, and not reported	327 22	117 16	21	••••	189	218	103	6	
es	ervoirsenterprises reporting	82	44	15	9	4	10	27	5	
les	reservoirs., ervoirs for which capacity was reportedreservoirs.,	108 91	63 54	17	9	19	62	41	4	
e s	total capacity, acre-feet	52,392	51,104	430	6 401	16 457	53 3,097	33 4,635	13,360	31
	1-99 acre-feet	69	35	14					15,302	
	100-999 acre-feetreservoirs 1,000 acre-feet and overreservoirs	16	13	14	4	16	48	21		
es	ervoir dams; by material:	6	б					3	22	
	Concrete or masonrydams Farth or rock	2	2				1	1		
	JCACT, MIXCO, and not reported	91 15	56 5	11 6	8	16	51	35	4	
an	als and ditches	456	97	45	282	3	10 302	120		• • • • • •
ip	total length, miles lines and siphonsenterprises reporting	2,103	1,489	35 21	358	221	300	298	859	
	total length, miles nelsenterprises reporting	75	10	7	59 54	12	74	19 9	3 9	
			•••••	•••••	•••••					
10	ving wellsenterprises reporting	58	5	3	•••••	50		8		
um	wells med wellsenterprises reporting	81 4,683	10	5		66	71	10		
		6,872		· · · · · · · · · · · · · · ·	4,490 6,584	193 288	3,502 4,359	1,180 2,506	1	
	wells s for which pumping lift was reportingwells werage pumping liftfeet.	6, 532 47			6,260	272	4,139	2,505	7	
rr:	gation pumps	4,983			47 4,458	45	46 3,773	48 1,208	120	• • • • •
lea	pumps tric motors used for pumpingenterprises reporting	7,309		367	6,570	372	4,729	2,571	9	
		1,716		23 27	1,147	34	702 812	501 902	1	••••
LITE	r motors and engines used for pumpingenterprises reporting other motors and engines	4,130	2	286	3,650	192	3,160	969	1	
	SFASON OF IBRIGATION	5,410	2	314	4,800	294	3,772	1,631	7	• • • • • •
te	rprises reporting and acreage irrigated:	li li								
Ņ	ater delivered only before July 1enterprises reporting	32	23	3	2	4	10	10	, , , , , , , , , , , , , , , , , , , ,	
	acres irrigated ater delivered before and after July 1enterprises reporting	4, 448	3,691	199	163	395	19 678	2,650	1,120	
	ferring areas	903 276,636	133 179,606	55 4, 549	663 64,278	52 28,203	532	335	31	
*	ater delivered only after July 1enterprises reporting.	4,090	16	243	3,675	156	23,984 3,192	70,060 898	111,115	71
	acres irrigated NEW CAPITAL INVESTMENT	287,361	690	10,969	265,382	10,320	153,271	134,090		•••••
w	capital investment Jan. 1, 1940 to Jan. 1, 1950:									
r	nterprises reporting	3, 893	61	219	, ,,,,			.		
- 11	mountdollars rea irrigatedacres	14,791,930	3,542,029	316,214	3,437 10,296,197	176 637,490	2,841 6,524,681	1,039 4,613,711	9 231,076	3, 422,
	INCEPTEDNESS <sup>5</sup>	393, 584	72,511	11,618	274, 168	35,287	140,683	167,032	28,114	57
+-				ļ						
in T	tanding bonds, construction cost, and other funded igations, Jan. 1, 1950:			1						
- E	nterprises reporting	20	19			1				
	mount	2,968,402	1,740,315			1,228,087		40,200	17 348,420	2,579,
ге	arage in payment of principal or internet on Land.	108,439	87,487	••••••	•••••	20,952		1,800	35, 162	71,
on F	struction cost, and other funded obligations, Jan. 1, 1950:					Î				
Å	rea irrigated	385, 162				1	•••••	2	1	
						346,087		39,000	75	346

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

#### **NEBRASKA**

# 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]

=			for each ent		of water <sup>2</sup>		<u></u>	Acres i	rrigated <sup>2</sup>	
	Item (For definitions and explanations, see text)	Total complete-	Su	rface <sup>3</sup>	Ground	}	1	100	<u> </u>	10,000
	(For originations and explanations, see text)	system enterprises <sup>1</sup>	All gravity	Al J pumped	(pumped wells)	Mixed	to 99	to 999	1,000 to 9,999	and over
	COST OF WATER TO FARMS"						1			
1 2	Total cost of water to farms: Enterprises reportingenterprises.	5,196	178		9 4,49	0 219	3,890	1,269	32	.5
3	Area irrigated	1,685,711 578,606 2.91	345,652 184,815 1.87	15,976	5 338,44	7 39,368		210,149	202,222	233,124 71,477 3.26
5	tion that it. of	686	135		47(	37	. 490	187	9	
78	\$1.00-\$1.99enterprises reporting	91,841 1,054	49,162	79	9] 924	5) 34	22,677	282	1 11	1
9	\$2.00-\$4.00	132,796 2,376	50,448	129	2,129	93	38,910		35,769	13,025
. 10 11 12	i i i i i i i i i i i i i i i i i i i	289,605	83,556	6,023				102,620	43,097	58,452
13 14	acres irrigated fl0.00 or morefl0.00 or moreacres irrigated acres irrigated	51,980 285 12,384	1,649	1,402 13 403	257	16	29,654 258 8,068	28	2,744	· · · · · · · · · · · · · · · · · · ·
15	Cost of water for primary irrigation: Enterprises reportingenterprises.	4,980	171	299	4,298		0.707	1		
16 17 18	Cost	1,629,746 555,492 2.93	330, 982 177, 183 1.87	38,189 15,516 2.46	1,107,630	152,945 37,811	3,727 631,292 177,894 3.55	200,791	32 194,422 107,218 1.81	226,085 69,589 3.25
19	Cost of water for supplemental irrigation: Fnterprises reportingenterprises									_
20	Cost	244	24	10	35,118	4,987	169 19,417	62 21,709	7,800	7,039
21 22	Cost per acre supplieddollars	23,114 2.42	7,632	460 2,59	13,465 2,61		6,851 2.83	9,358 2.32	5,017	1,888 3.73
23	Cost to farms for purposes other than operation and maintenance: Texture									
24 25	Fnterprises reportingdol]ars	7 26,696	26,696		1	1	•••••	1 300	5 11,396	15,000
26	Area irrigatedderes Cost per acre irrigateddollars	31,542 0.85	31,542					600 0.150	15,942 0.71	15,000 1.00
27	Arrearage in payments by farms, Jan. 1, 1950:5 Enterprises reportingenterprises	9	8		[			.		
28 29	Amount	59,955 63,806	39,976 42,854			19,979	· · · · · · · · · · · · · · · · · · ·	1,500 250	5 20,351 15,604	38,104 47,952
	QUANTITIES OF WATER REPORTED <sup>5</sup>									
30 31	Total obtained from all sources <sup>6</sup> enterprises reporting acre-feet	45 57 4, 065	44 543 174			1	1	13	26	5
32 33	Surface sources	45	44		1	30,891 1 30,891	245 1 245	18,717 13 18,297	305,358 26 302,155	249,745 5 248,812
34 35	Fumped wells		536,016				· · · · · · · · · · · ·			248,812
36 37	Other enterprises	4,556	7 4,556	1	1		••••••••	2 420	3,203	2 933
38 39	Conveyance loss <sup>6</sup>	45	44			13,283	1 61	13 5,209	26 88,841	5 64,788
	Delivered:6	200,000				14,204		3,207	00,040	05,100
40 41	Direct to farmsanterprises reporting acre-feet	333,050	44 315,442			1 17,608	1 184	13 13,508	26 208,267	
42 43	To other enterprises,enterprises reporting acre-feet	2,500	3 2,500						1,250	2 1,250
44 45	For use other than irrigationenterprises reporting acre-feet.	79,616	5		]		• • • • • • • • • • •		3 7,000	2 72,616
	Delivered to farms for primary irrigation:									
46 47	Fnterprises reporting	45 317,336	44 299,855			17,481	1 184	13 12,959	26 196,752	5 107,441
48 49	Acreage supplied primary irrigationacres Quantity per acre suppliedacre-feet.	173,012 1.8	152,227 2.0			20,785 0,8	90 2.0	6,331 2.0	97,002 2,0	69,589 1,5
	Delivered to farms for supplemental irrigation:									
50 51	Enterprises reporting	16 15,714	15 15,587	·····		1 127	•••••	549	10 11,515	2 3,650
52 53	Acreage supplied supplemental irrigationacres Quantity per acre supplied	7,093	6,926 2,3	•••••		167 0.8	•••••	221 2.5	4,984 2.3	1,888 1.9
ĺ	Cost of water to farms for enterprises reporting						1			1
54	quantity delivered: Cost for primary irrigationdollars.	406,538	312,933			93,605		7,856	172,597	226,085
55 56 57	Average cost per acre-footdollars Cost for supplemental irrigationdollars	1,28	1.04 14,644	•••••		5,35 679	•••••	0.61	0.88 7,774	2.10 7,039
	Average cost per acre-footdollars	0.98	0.94	••••		5.35	• • • • • • • • • • • •	0,93	0,68	1,93
58 59	No water measured	39	39				1	13	23	2
60 61	acres Part of water measuredPart of water measured	117,168 4 27,706	117,168				90 • • • • • •	6,552	83,526 3	27,000 1 13,025
62 63	acres All water measuredacres.enterprises reporting. acres	27,70h 2 31,452	27,706 1			1	••••••	••••	14,681	2 ·
	acres	//	10,500			20,952				31,452

<sup>1</sup> "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. <sup>3</sup> Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise. <sup>4</sup> Surface water includes water from springs and from flowing wells. <sup>4</sup> Enterprises with reported cost of %0 in 1949 are included. <sup>5</sup> Not reported by single-farm enterprises. <sup>6</sup> For interstate enterprises, data represent characteristics of the entire enterprise.

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#### County Table 1.-IRRIGATED FARMS: NUMBER, ACREAGE, AND

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		county	1 adie 11						italics are
	Item (For definitions and explanations, see text)	The State	Adams	Antelope	Banner	Boone	Box Butte		Buffelo
1	Irrigated farms	9,680					76		
3	Proportion of all farmspercent 1950. Land in irrigated farmsacres 1950.	7,156 9.0	6.1	1.0	6.5	5.7	21 10.9	4.1	28,1
5	average per farm, acres 1950. Value of land and buildings	4,396,958 454.2	344.2	241.7	5,566.0		89,925 1,183.2		152,642
6 7	average per acre, dollars 1950	33,654 74.59	35,245				49,450 51.12		29,943 119,06
8 9	Proportion of irrigated farms reporting valuepercent 1950 Proportion of Lend in irrighted farms for which value was reportedpercent 1950	92 91	140 137	33	76	89	97	114	76
	Land in irrigated farms according to use, 1949:								
10 11	Cropland harvested:farms reporting	9,619 1,798,581	83 20,137		17 15,919		76 29,817		571 95,752
12 13	Cropland used only for pastureacres Cropland not harvested and not pasturedacres	110,204 224,340	696 2,270	175	977	1,155	1,166 8,407	1,973	3,945
14 15	Woodland pasturedacres Other pasture (not cropland and not woodland)acres	30,188 2,079,154	30 3,982	204		565	60	10	1,649
16 17	Land pastured, totalacres	7,376 2,219,546	73 4,708	14	17	86	49,630	21	33,836
18 19	Jrrigated land in farms	876,259	5,677	515	2,818	6,476	50,856 15,120	1,657	52,760
20	Land irrigated by sprinklers	631,762 153	808			3,619	3,782		41,646
21	Irrigated land in farms according to use, 1949:	8,295	310		•••••	252	55		45
22 23	Irrigated cropland harvestedfarms reporting	9,576 837,811	83 5,359		16 2,463	90 6,394	73 13,254		570 52,166
24 25	Irrigated pasturefarms reporting acres	1,006 27,624	10 278		2,403	0,394 4 82	10	3	17
26 27	Irrigated wild grass pasturefarms reporting.	302 14,115			2	2	1,245	1	161
28	Irrigated tame grass pasture	749	10		140	3	553 7	2	18 15
30	Acres Irrigated cropland not harvested and not pastured	13, 509	266		80	25	692	27	143
31	acres	478 10,824	1 40		3 135		6 621	4 117	12 433
32	Irrigated farms by acres irrigated in 1949: 1-9 acresfarms reporting	352	1	2				1	15
33 34	10-19 acresfarms reporting 20-29 acresfarms reporting.	429 619	4			3	1 2		39 48
35 36	30-49 acresfarms reporting. 50-99 acresfarms reporting.	1,405 3,532	19	4	4	23	7	3	64 192
37 38	100-199 acresfarms reporting 200 acres and overfarms reporting.	2,682 661	15		2	38 17	11 39	3	177
39	Irrigated farms by tenure of operator, 1950: Full owners				3	2	16	1	38
40 41	Part owners	2,932 2,510	13 31	7 2	2 10	40 13	18 20	5 11	156 180
42	Managers	44 4,194	2 37	6		2 36	2 36		2 235
43	Land in wholly and in partly irrigated farms: Wholly irrigated farms	0.572							
44 45	All landacres 1950 Cropland harvested	2,733 544,602	4 216	1 8	1 200	2 180	16 4,490	3 250	117 18,639
46	Irrigated landacres 1949.	291,491 307,891	147 147		68 68	132 142	3,689 3,770	205 220	12,620 12,901
47 48	Partly irrigated farmsnumber 1950 All landeres 1950	6,947 3,852,356	79	14	16	89	60	19	456
49 50	Cropland harvested, totalfarms reporting 1949 acres 1949	6,886	28,357 79	3,617 14	94,422 16	25,813 89	85,435 60	16,010 19	134,004 454
51 52	Irrigated landacres 1949	1,507,090 568,368	19,990 5,530	2,220 514	15,851 2,750	16,974 6,334	26,128 11,350	6,387 1,437	83,132 39,859
53	Irrigated cropland harvestedfarms reporting 1949 acres 1949	6,843 546,320	79 5,212	14 514	15 2,395	88 6,262	57 9,565	18 1,293	453 39,546
54	Characteristics of whoily irrigated and nonirrigated farms: Wholly irrigated farms	2,733	4	1	1	2	16	3	117
55	Average acreage per farm: All landacres 1949	199,3	54.0	8.0	200.0	90.0	280.6	83,3	159.3
56 57	Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	106.7	36.8	1.0	68.0	66.0	230.6	68.3	107.9
58	trees, and vineyards	( <sup>1</sup> ) 0.6	1.0		•••••		(1)		(1)
59 60	Small grains (including sorghums)acres 1949 All hayacres 1949.	21.1	1.8		30,0	15.0	0,5 53.2	7,3	( <sup>1</sup> ) 4.4
61	Farms by tenure of operator: Full owners and managersnumber 1950	21.3			20.0	5.0	14.7	5.0	3.5
62 63	Part owners	1,002 377	3	1	1	2	3 4		51 28
64	Value of land and buildings per farm	1,354 23,380	1 25,000		•••••		9 40,668	1 12,000	38 27,238
65	Nonirrigated farmsnumber 1950 Average acreage per farm;	97,503	1,267	1,801	243	1,512	652	516	1, 469
66 67	All landacres 1949	441.7	248.0	298.5	1,530.2	263.2	951.1	1,312.0	302,9
б8	Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	180,6	173.3	180,8	356.9	164.6	343.8	391.3	154.1
69 70	trees, and vineyards	( <sup>1</sup> ) 0.1	$\begin{pmatrix} 1\\ \\ \\ \end{pmatrix}$	( <sup>1</sup> ) <sup>0,1</sup>	( <sup>1</sup> )	$\binom{1}{1}$	$\binom{1}{1}$	$\binom{1}{1}$	
71	Small grains (including sorghums)	65.7 44.2	108.7 7.5	53.0 38.9	278.5 54.5	45.8 27.2	251.2	29.5 307.2	46.9 29.0
72	Farms by tenure of operator: Full owners and managers	35, 296	392	701	67	582	205	235	582
73 74	Part ownersnumber 1950 Tenantsnumber 1950	24,654 37,553	340 535	409 691	103 73	285	263	146	378
75	Value of land and buildings per farm	25, 153	19,759	18,577	47,390	645 16,594	184 32,737	135 21,060	509 14,998
76	Irrigated farms and irrigated land by origin of water, 1949: Individually operated supply works and—								
76	No other irrigation enterpriseacres irrigated	4,748 362,597	79 5,428	15 515	16 2,788	87	71	19	516
78 79	1 other irrigation enterprise	627 83,451	3 144		2,:00	6,342	13,422	1, 578	48,513
80 81	2 or more other irrigation enterprisesfarms reporting	47 9,164					1	•••••	934
82	No individually operated supply works but- 1 other irrigation enterprise	4,010	•••••			••••••	1,080	•••••	••••••
83 84	acres irrigated. 2 or more other irrigation enterprisesfarms reporting.	383,708	••••••	•••••	1 30	4 134	4 618	3 79	49 3,138
85	acres irrigated.	248 37,339	105						2 175
_	See footnote at end of County Table 1.		I	<u>اا</u>					

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]

Butler	Cedar	Chase	Cherry	Cheyenne	Clay	Colfax	Cuming	Custer	Dawes	Dawson	Deuel	Dodge	Douglas	T
22 23 1.3 6,353 288,6 53,250 166,41 45 50	5 0.2 2,111 422.2 40,990 156.00 400 249	32,039 1,104.8 48,322 44.88 62	0.8 26,348 3,764.0 168,900 19.04 29	55 7.5 57,550 757.2 51,367 70.51 70	98 20 8.2 40,957 417.9 41,089 94.99 85 88	29	1 0.4 2,147 306.7	178 58 6.4 144,799 813.5 28,686 35.80 96 94	63 28 9.2 114,622 1,819,4 39,215 25,30 106 90	982 821 57, 3 326, 319 332, 3 39, 512 125, 46 84 79	55 45 12.9 23,695 430.8 25,16B 124.83 73 34	29 7 1.7 6,736 232.3 38,975 484.16 69 24	8 0.5 1,542 192.8	
22 5,026 376 62 25 580 18 981 1,304 1,136	5 1,414 	245 6,018 17,603 27 17,848 3,176 807	1, 162 399 2,092 16, 295 7	17,895 157 8,174 50 29,498 62 29,705 7,547 4,437	98 32,049 1,174 2,508 254 3,589 90 5,017 9,002 1,465 2 160	64 14,045 356 40 2,472 58 2,858 2,774 1,567	54	178 40,514 1,173 5,166 270 94,768 163 96,211 8,965 2,594 7	63 19,451 211 3,472 189 88,214 56 88,614 8,293 4,843	982 182,800 17,205 14,465 816 97,648 627 115,669 90,577 76,260	54 9,269 1,327 3,359 40 8,839 46 10,206 5,492 4,709 2	29 5,422 212 165 68 480 26 760 1,068 414 2	729 193 225 276 5 469 105	12 13 14 15 16 17 18 19 20
22 1, 294 	5 297	29 2,772 6 389 1 300 5 89 1 15	7	76 7,463 4 49 4 49 4 49	98 8,754 13 171 5 58 8 113 6 77	64 2,769 1 5 1 5		283 173 8,708 8 135 2 50 6 85 85 5 122	62 7,709 399 7 259 4 140 3 185	273 982 89,926 19 167 3 54 16 113 113 19 484	70 52 4,683 14 480 6 276 9 204 8 329	4 29 1,068	47 8 98 2 7 2 7	22
1 2 7 8 2 1 9 7	I 1 2 1 2 3	2 3 3 12 7 2 6 16 16	2 1 2 2 2 4 3	1 3 5 13 19 29	2 2 9 56 23 6 20 52	1 7 10 27 16 2 1 1 19 17	22 21 12 22	12 19 30 32 70 12 3 62 60 1	4 2 3 10 10 19 15 21 23 1	14 31 60 130 382 304 61 273 261 3	2 2 3 12 13 15 8 23 13 13	4 5 6 6 	4 1 2 1 	32 33 34 35 36 37 38 39 40 41
6  22 6,353 22 5,026 1,304 22	5 2,111 5 1,414 297 5	26 7,341 3,044 26	1 35 1 6 26,313 6 5,981 1,348 6	2,182 2,212 60 52,930 60 15,713 5,335 60	26 4 841 508 596 94 40,116 94 31,541 8,406 94	28 1 50 41 46 63 17,693 63 14,004 2,728 63 63 14,004 2,728 63 63 63 63 63 63 63 63 63 63	7 2,147 7 1,690 397 7	55 3 434 339 385 175 144, 365 175 40, 175 8, 580 170	18 13 3,184 2,020 2,027 50 111,438 50 17,431 6,266 49	445 77 16,984 11,195 11,333 905 309,335 905 171,605 79,244 905 79,244	18 4,634 1,581 1,733 42 19,061 41 7,688 3,759 3,92	16 6 2 2 8 6,730 28 5,420 1,066 28 1,066	3 5 1,537 7 726 100 7	44 45 46 47 48 49 50 51
1, 294	297	3 66.0 39.0 (1) 25.0	1,322 1 35.0 1,0	{	8,246 4 210.2 127.0 (1) 	2,728 1 50.0 41.0  9.0 5.0		8,369 3 144.7 113.0  30.0 9.7	5,689 13 244.9 155.4 0.2 3.6 56.9 40.5	78,731 77 220,6 145,4 ( <sup>1</sup> ) ( <sup>1</sup> ) 5,1 48,4 25	3,102 13 356.5 121.6 0.1 0.8 30.5 31.8 7	1,000 1 6.0 2.0	1 5.0 3.0	54 55 56 57 58 59 60 61
1,702 210.4 157.7 0.1 (1) 56.9	40,990 2,018 227.3 160.5 ( <sup>1</sup> ) ( <sup>1</sup> ) 56.4	1 2 8,400 570 912.0 231.4 ( <sup>1</sup> ) ( <sup>1</sup> ) 99.9	1 	2 10 40,538 941 758.7 284.3 ( <sup>1</sup> ) ( <sup>1</sup> ) 257.1	2 60,000 1,094 266.4 201.4 (1) (1) 113.6	1,249 186.9 140.9 (1) (1) (1) 54.9	1,884 189.0 139.3 0,1 ( <sup>1</sup> ) 42.0	1 1 2,603 597.2 194.9 (1) (1) (1) 45.1	5 4 9,500 625 1,221.0 238.7 ( <sup>1</sup> ) ( <sup>1</sup> ) ( <sup>1</sup> ) 128.1	$ \begin{array}{r} 10 \\ 42 \\ 29,049 \\ 732 \\ 373.3 \\ 141.5 \\ \binom{1}{1} \\ 38.9 \\ \end{array} $	1 5 10,000 372 662.0 241.6 (1) {1} {1} 223.7 5	75,000 1,693 186,3 145,3 ( <sup>1</sup> ) ( <sup>1</sup> ) ( <sup>1</sup> ) 45,3 11,0	1,530 109,7 80.3 0.3 0.3 0.1 10.2	63 64 65 66 67 68 69 70
13.8 621 390 691 28,562 22 1,304	18.1 767 390 861 22,196 5 297	33.2 169 200 201 34,945 1,945 1,410 2	595, 3 343 364 152 61, 157 . 7 1, 349	5.9 250 379 312 47,834 68 7,150	16.2 287 355 452 21,281 95 8,608	17.3 478 357 414 27,353 64 2,774	17.6 739 377 768 34,887 5 277	59.4 1,039 639 925 17,615 112 5,542 6 443	78.0 250 212 163 27,185 26 2,608 2 400	35, 1 348 158 226 16,076 468 36,012 212 25, 433	5.4 123 141 108 53,689 34 2,240 16 2,814	11.5 574 365 754 40,183 29 1,068	793 280 457 27,301 7 100	72 73 74 75 76 77 78 79
·····		1, 151 			1 160 2 234		2 120	60 2, 980	35 5,285	23, 433 2, 259 277 24, 668 12 2, 205	4 222 1 216		1	81 82 83 84

## County Table 1.-IRRIGATED FARMS: NUMBER, ACREAGE, AND

					[1950 de	ata for item	s shown in	italics an
Item (For definitions and explanations, see text)	Dundy	Fillmore	Franklin	Frontier	Furnas	Gage	Garden	Garfield
Irrigated farmsnumber 1950	43			5	51	5	107	61
1945 Proportion of all farmspercent 1950	30	3.4	4.0	0.5	14		101 18,9	5
Land in irrigated farmsacres 1950 average per farm, acres 1950	58,693 1,365,0			9,004			200,800	26,03 433,
average per iarm, acres 1950 Yalue of land and buildings	51,609 26,39	42,370	44,048	60,295 20,52	34,744	40,079	44,022	16,67
Proportion of irrigated farms reporting value	84	51		200.32	31	120	59.53 117 46	12
Land In irrigated farms according to use, 1949:		<b>T</b> .)	1	320	24	109	40	
Cropland harvested:farms reporting.	43 9,774	49	41	1,949	50 11,362		107 27,933	10,43
Cropland used only for pastureacres Cropland not harvested and not pasturedacres	191 4,022	311 890	290	10	935	47	600	8
Woodland pasturedacres		54	251	364	776	122	3,957	41
Other pasture (not cropland and not woodland)acres Land pastured, totalfarms reporting	43,609 38	1,828 43	39	6,596 5	45	5	167,001 98	14,2
acres Irrigated land in farmsacres 1949	43,800 4,100	2,193 3,018	9,362 2,259	6,606 500			167,626 10,397	14,3
	2,535	1,645	364		990	28	9,176	3, 2:
acres 1949 Irrigated land in farms according to use, 1949:	20		67		100	20		
Irrigated cropland harvestedfarms reporting	43 3,256	49 2,978	41 2, 189	500		5 245	107	4,4
Irrigated pasturefarms reportingacres	6 820	4	1 70		1	1	9,098 31	
Irrigated wild grass pasturefarms reporting	2				163 1		1,130 11	
acres Irrigated tame grass pasturefarms reporting.	325	4	· · · · · i		163	1	505 21	
acres Irrigated cropland not harvested and not pasturedfarms reporting	495	25	70			5	625	
not pasturediarms reporting. acres  rrigated farms by acres irrigated in 1949:	14	2 15	•••••		3 54		7 169	
1-9 acres		2	e		2		5	
20-29 acresfarms reporting.	2 4	22	1 9		7 9		54	
30-49 acresfarms reporting. 50-99 acresfarms reporting.	12 13	29	5	12	14		11 43	
100-199 acresfarms reporting 200 acres and overfarms reporting	93	5	3	1	1	ĩ	27 12	
irrigated farms by tenure of operator, 1950: Full ownersnumber	16	9	-	3	-			
Part ownersnumber Managersnumber	12	29	14 13	2	17	4	41 29	
Tenants	1 14	ii	14		20	1	1 36	•••••
Land in wholly and in partly irrigated farms: • Wholly irrigated farms	8		,				35	
All landacres 1950 Cropland harvestedacres 1949	4, 246		55	•••••			8,407	2,6
Irrigated landacres 1949	663		53 53				3,107 3,529	1,2 1,2
Partly irrigated farms	35 54,447	49 17,985	40 20,195	5 9,006	51 27,011	5 1,700	$\frac{72}{192,393}$	23, 4
Cropland harvested, totalfarms reporting 1949 acres 1949	35 9,224	49	40	5	50	5	72	
Irrigated landacres 1949 Irrigated cropland harvestedfarms reporting 1949.	3, 437	3,018	7,916	1,949 500	11, 362 2, 558	1,207 251	24,826 6,868	9,1 3,2
characteristics of wholly irrigated and nonirrigated farms:	35 2,716	49 2,978	40 2,136	5 500	50 2,341	5 246	72 <,991	3, 1
Wholly irrigated farms	8		1				35	
Average acreage per farm: All landacres 1949	530.8		55.0				240.2	186
Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	68.8		53.0				88.8	88
trees, and vineyards	0.5			•••••			( <sup>1</sup> ) 0.5	0
Small grains (including sorghums)	3.9 21,9		20.0	•••••			13.8 35.1	8 24
Farms by tenure of operator: Full owners and managers		•••••	16.0	• • • • • • • • • • • • •				
Part owners	4		1	• • • • • • • • • • • •			18	
Value of land and buildings per farm	4 162,500	•••••		•••••			10 19,618	16,4
Nonirrigated farmsnumber 1950 Average acreage per farm:	515	1, 411	996	911	1,052	2, 519	459	3
All landacres 1949	1,003.6	240.4	334.8	657.8	398.4	211.5	1,895,8	987
Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut	257, 2	184.0	149,3	206.0	152.7	137.9	320.5	304
trees, and vineyards	$\binom{1}{\binom{1}{1}}$	$\begin{pmatrix} 1 \\ 1 \end{pmatrix}$	$\binom{1}{1}$	$\binom{1}{1}$	$\binom{1}{(1)}$	$\begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}$	$\binom{1}{1}$	(1)
Small grains (including sorghums)acres 1949 All hayacres 1949	79.5	91.7 12.1	77.1	95.2 13.2	84.9 9.2	60.1 19.0	144.6 150.9	15 251
Farms by tenure of operator: Full owners and managers	175	375	326	265	331	864	201	1
Part ownersnumber 1950 Tenantsnumber 1950.	162	382	307	320	362	579	144	
Value of land and buildings per farm	178 30,165	654 23,119	363 17,254	326 18,694	359 18,809	1,076 24,834	114 52,052	17.8
irrigated farms and irrigated land by origin of water, 1949;								
individually operated supply works and	23	47	40	5	50	5	4	4
Individually operated supply works and- No other irrigation enterprise	0 00-	2,910	2,189	500	2,538	251	304	
No other irrigation enterprise acres irrigated 1 other irrigation enterprise	2,327		1					
No other irrigation enterprise	2,327 1 100		1 ?0	•••••			1,251	4 •••••
No other irrigation enterprise	1 100							4 
No other irrigation enterprise	1 100  19		70	•••••		· · · · · · · · · · · · · · · · · · ·	1,951 5 569 66	
No other irrigation enterprise	1 100		70 	•••••	i 20	· · · · · · · · · · · · · · · · · · ·	1,251 5 559	40 

See footnote at end of County Table 1.

## OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945-Continued

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Gasper	Greeley	Hall	Hamilton	Harlan	Hayes	Hitchcock	Holt	Howard	Kearny	Keith	Kimball	Lancaster	Lincoln	T
	66 11, 3 31, 614 458, 2 40, 864 86, 63 90	27 7,1 21,717 368.1 32,999 67.36 93	546 50.6 174,466 246.8 37,121 152.92 96	61 15.8 62,406 272.5 34,053 130.18 92	5,5 28,431 618,1 24,38 72.04 43	1           24, 939           2,267.2           90,000           214.28           4           45	100 16.8 48,932 414.7 27,394 91.58 93	4 0,1 4,065 1,355.0 33,888 22.78 67	11 3.3 15,570 379.8 41,200 114.44 49	21R 29,3 102,170 367,5 42,928 103,76 97	105 23.9 224,701 1.605.0 72,870 35.63 107	59 14.6 80,065 1,213.1 45,862 34.70 103	2 0,1 756 252,0 40,800 120,00 167	265 25,0 245,412 562.9 32,078 61.09 94	2 3 4 5 6 7 8
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	17.054 1,869 3,284 8,011 63 9,915 5,998	10,287 489 732 9,346 54 9,909 3,670	118,749 7,201 8,548 1,125 31,182 579 39,508 57,097 39,271 12	49,791 3,183 2,363 199 3,920 198 7,302 20,414 5,337 10	12,914 243 3,305 194 10,061 42 10,500 2,599 273 2	4,314 4,77 1,337 5,18,880 2,10 18,932 1,344 1,25 	20,925 860 4,374 1,174 20,100 105 22,134 11,065 10,091	1,874 1,500 5 80 485 3 2,065 30	7,775 310 559 239 6,186 38 6,735 1,911 475 5	63,997 7,568 8,135 342 17,850 238 25,760 28,275 18,370 2	47,546 1,190 10,626 360 161,065 110 162,615 12,893 11,098 3	21,731 609 15,509 1,218 37,394 47 39,221 7,949 6,857 1	566 16 123 3 139 39 50	77,915 6,876 7,168 2,104 145,968 306 154,948 43,848 24,917 3	11 12 13 14 15 16 17 18
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5,865 7 93  7 93 2	3, 647 2 23 2 23 2 23	701 56,494 21 297 4 115 17 182 13	229 20,244 13 158 2 20 11 138	46 2,552 1 7 1 7 	11 1,309 2 35 2 35 2 35	10,780 10 116 2 12 8 104	· · · · · · · · · · · · · · · · · · ·	41 1,894 2 17 2	277 27,307 35 649 5 63 30 586 13	138 17,875 16 626 6 411 11 215 14	54 7,706 6 188 2 116 4 72 5	39	432 40, 663 64 2, 131 23 1, 603 45 528 40	22 23 24 25 26 27 28 29 30
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1 2 2 14 28 19 3	1 3 6 16 22 11	17 24 47 170 257 153 39	2 7 6 16 125 63 10	1 1 8 15 15 5 1	8 2 1	1 6 9 17 35 43 7		2 4 9 9 15 1 1	5 8 13 32 91 102 27	4 3 4 12 44 45 28	5 3 4 6 17 16 15	1 1 1	54 24 27 44 127 109 51	32 33 34 35 36 37 38
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 30 1 12 10 10 68	16 2 85 43 43 57	3 334 61 7, 103 5, 418 5, 526	108 8 1,359 976 986 221	16	3	55 20 4, 346 2, 670 2, 763 98	1	15 11 15 12 12 12 40	1 124 29 7,070 4,308 4,543 249	1 46 8,248 5,751 5,991 105	23 15 2,597 1,785 1,862 51		3 151 200 53,132 19,563 21,062 236	41 42 43 44 45 46 47
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	68 17,044 5,988 67 5,855 1	56 10,244 3,627 56 3,604 2	643 113, 331 51, 571 640 51, 076 61	61,047 221 48,815 19,428 221 19,268 8	46 12,916 2,599 46	11 4,314 1,344 11	98 18,255 8,302 98 8,110 20	3 1,874 30 3	40 7,763 1,899 40 1,882 1	249 59,689 23,732 248 22,999 29	104 41,795 12,902 103 12,124 35	51 19,946 6,087 49 5,921 15	3 566 39 3 39	233 58,352 22,786 232 21,100 200	49 50 51 52 53 54
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10.0 4.0 6.0	21.5 1.0  1	88.8 0.3 0.1 6.3 7.2 28 7	122.0 			133.5 0.1 		12.0	148.6 28.1 25.2 8 9	164.3 ( <sup>1</sup> ) 42.4 29.8 12 8	119.0 31.2 21.7 4		97.8 0.1 30.3 37.0 97 29	56 57 58 59 60 61 62
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	530 45P.1 181.5 ( <sup>1</sup> ) ( <sup>1</sup> )		25,613 689 196.3 112.9 ( <sup>1</sup> ) ( <sup>1</sup> )	17,800 1,224 222.6 169.7 ( <sup>1</sup> )	787 402.9 180.0 ( <sup>1</sup> ) ( <sup>1</sup> )	463 939.9 278.9 ( <sup>1</sup> )	19,980 585 650.2 199,0 ( <sup>1</sup> ) ( <sup>1</sup> )	2, 026 758, 4 289, 3 ( <sup>1</sup> ) ( <sup>1</sup> )	265.1 136.7 0.1	32,233 671 305.0 196.0 0.1 0.1	29,250 447 1,005.4 305.4 ( <sup>1</sup> ) ( <sup>1</sup> )	37,458 386 1,248.2 420.6 ( <sup>1</sup> ) ( <sup>1</sup> )	2,628 185.4 129.9 ( <sup>1</sup> ) 0.1	22,194 1,311 976.8 247.8 ( <sup>1</sup> ) ( <sup>1</sup> )	64 65 66 67 68 69
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	149.3 150 170 219 19,320	54.7 325 200 246 15,096	18,8 285 147 257 13,352	10,9 304 327 593 24,832	10.3 214 279 294 22,002	21.6 135 155 173 28,515	5.3 186 216 183 31,601	208.4 925 561 540 20,819	29,3 490 276 438 16,156	12.6 174 219 278 24,539	68.1 156 159 132 46,381	12.6 87 185 114 51,290	15.6 1,019 594 1,015 22,909	112.5 566 356 389 25,322	71 72 73 74 75
$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	1,845 1 69  47	2,995 3 288  10	56,954 2 103	19,959   11 455	2, 556   2 43	1, 292   1 52	1, 952 4 546  87 8, 409	30	1,911	8,868 4 832  157 18,440	6,855 37 8,008  36 4,030	4, 513 16 2,933  15 503	39	9,675 73 10,231 9 1,967 204 20,474	77 78 79 80 81 81

## County Table 1.-IRRIGATED FARMS: NUMBER, ACREAGE, AND

L1950	data	for	items	shown	in	italics	are

						[1950 dat	ta for ite	ns shown in	n italica
Item (For definitions and explanations, see text)	Loup	Madison	Merrick	Morrill	Nance	Nuckolls	Perkins	Phelps	Platte
Irrigated farmsnumber 1950	50	7	538	539	27	44	3	517	
1945 Proportion of all farmspercent 1950	32 19,8	9 0,4	342 44.3	540 60.4	6 2.9	4 3.7	2 0,4	419 49.1	4
Land in irrigated farmsacres 1950	39, 540	1,293	152, 509	260,956	16,277	18,549	3,810	174, 152	26, 2
average per farm, acres 1950 Value of land and buildingsverage per farm, dollars 1950	790,8 35,933	184.7	283.5	484.1 22,975	602.8	421.6	1,270,0	336.8	298
average per acre, dollars 1950	52,86	29,300 163.23	27,619 107.90	48.61	63,452 88,48	37,5P2 68,72	•••••••	33,600 112,68	31,6 85,
Proportion of irrigated farms reporting valuepercent 1950	86	143	83	85	122	102	•••••	94	1
Proportion of land in irrighted farms for which value was reportedpercent 1950	74	139	74	83	145	133		83	1
		107			145	100		40	-
and in irrigated farms according to use, 1949: Cropland harvested:farms reporting	50	7	537	536	27	44	3	515	
acres.	13,235	1,024	99,861	81,001	6,644	10,291	1,195	115,882	15,1
Cropland used only for pastureacres Cropland not harvested and not pasturedacres.	198 349	12 5	6,587 8,837	1,395 9,149	243 471	1,324 1,297	305	4,223 12,180	1,3
Woodland pasturedacres.	118	50	1,613	717	748	263		59	2
Other pasture (not cropland and not woodland)acres.	25,025	147	28,680	158,841	7,484	4,678	2,245	32,890	7,8
Land pastured, totalfarms reporting.	47 25, 341	7 209	467 36,880	397 160,953	26 8,475	42 6,265	2,245	463 37,172	9,5
frrigsted land in farmsacres 1949	3,171	339	31,626	59,459	1,395	2,686	135	48,542	3,
1944 Land irrigated by sprinklers	1,997	396	18,797 6	49,937	487	305	104	33,117 7	1,9
acres 1949.	214		276	358				296	
rrigared land in farms according to use, 1949:	FO	-	535	531	27	44	3	513	
Irrigated cropland harvestedfarms reporting	3, 107	334	31,398	54,235	1,395	2,686	120	45,962	3,1
Irrigated pasturefarms reporting	5	1	11	121			1	63	
acres Irrigated wild grass pasturefarms reporting	49 1	5	188 2	4,748 57			15	1,154 24	ļ
acres.,	8		72	2,528	•••••			526	
Irrigated tame grass pasturefarms reporting	4	1	10	69			,1	42	
Irrigated cropland not harvested and	41	5	116	2,220	•••••	•••••	15	628	******
not pasturedfarms reporting.	2		2	27				57	
acres	15	•••••	40	476				1,426	
rrigated farms by acres irrigated in 1949: 1-9 scresfarms reporting			00	19				3	
10-19 acres	7		22 38	19 20	1	1	·····i	17	
20-29 acresfarms reporting.	.7	1	55	29	5	6	ī	28	
30-49 acres	11 14	3	155 187	41 163	7	5 26	•••••	76 193	
100-199 acresfarms reporting.	10		70	212	4	5		159	
200 acres and over	1		11	55	•••••		••••	41	
rrigated farms by tenure of operator, 1950: Full ownersnumber	22	4	152	177	10	9	1	87	
Part ownersnumber.	10	i	161	113	8	18	1	137	
Managers	1 17	2	4 221	249	1		1	1 292	
	-'	-		245	ŭ		-		
and in wholly and in partly irrigated farms: Wholly irrigated farmsnumber 1950	1		29	327	1	1		28	
All landacres 1950	53		2,136	67,317	5	200		5, 339	
Cropland harvestedacres 1949 Irrigated landacres 1949	23 23		1,450 1,453	37,216 40,069	2	80 80		3,831 4,127	
Partly irrigated farms	49		510	212	26	43	2	489	
All landacres 1950	39,487	1,293	150,373	193,639	16,272	18,349	3,810	168,813	26,
Cropland harvested, total	49	7	509	209	26	43	3	487	15,
acres 1949 Irrigated landacres 1949	13,212 3,148	1,024	98,411 30,173	43,785 19,390	6,642 1,393	10,211 2,606	1,195 135	112,051 44,415	3,
Irrigated cropland harvestedfarms reporting 1949	49	7	507	204	26	43	3	485	
haracteristics of wholly irrigated and nonirrigated farms:	3,084	334	29,94P	17,019	1,393	2,606	120	42, 131	З,
Wholly irrigated farms	1		28	327	1	1		28	
Average acreage per farm:	<b>FR</b> 0					000.0		100 7	1
All land	53.0 23.0	•••••	76.3 51.8	205.9 13.8	5.0 2.0	200.0		190.7 136.8	
Land in bearing and nonbearing fruit orchards, planted nut									
trees, and vineyards			$\begin{pmatrix} 1 \\ 1 \end{pmatrix}$	0.1		•••••	••••	·····(1)	
Small grains (including sorghums)			5.5	25.7	1.0		••••	25.1	
All hayacres 1949			3,6	23.2				22.3	
Farms by tenure of operator: Full owners and managers			18	103	1			11	
Part owners			4	43				6	
Tenantsnumber 1950 Value of land and buildings per farm	1		6 8,943	181 21,088		1		12 27,629	20
					904	1 1 4 7	732	537	1
•	00.0	1 005	277			1,147	(32		1
Nonirrigated farmsnumber 1950 Average acreage per farm:	202	1,803	673	353	704			297.1	2
Nonirrigated farmsnumber 1950 Average acreage per farm: All landacres 1949	1,345.1	202.1	210.5	1,501.9	291.5	289.7	757.0		
Nonirrigated farmsnumber 1950 Average acreage per farm: All landacres 1949 Cropland harvestedacres 1949						289.7 173.9	757.0 302.6	171.6	1
Nonirrigated farmsnumber 1950 Average acreage per farm: All landacres 1949 Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyardsacres 1949.	1,345,1 347,9 ( <sup>1</sup> )	202.1 141.6 0.1	210.5 121.0 ( <sup>1</sup> )	1,501.9 311.9	291.5 170.6 ( <sup>1</sup> )	173.9		171.6 ( <sup>1</sup> )	(1)
Nonirrigated farmsnumber 1950 Average acreage per farm: All landacres 1949 Cropland harvestedacres 1949 Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyardsacres 1949 Vegetables harvested for saleacres 1949	1,345,1 347,9 ( <sup>1</sup> ) ( <sup>1</sup> )	202.1 141.6 0.1 0.1	$210.5 \\ 121.0 \\ ({}^{1}) \\ ({}^{1})$	1,501.9 311.9 ( <sup>1</sup> )	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> )	173.9 (1) (1)	302.6 (1)	171.6 ( <sup>1</sup> ) ( <sup>1</sup> )	( <sup>1</sup> ) ( <sup>1</sup> )
Nonirrigated farmsnumber 1050         Average acroage per farm:         All land.         Cropland harvested.         Land in bearing and nonbearing fruit orchards, planted nut         trees, and vineyards.         Vegetables harvested for sale.         Small grains (including sorghums).         All hay.	1,345,1 347,9 ( <sup>1</sup> )	202.1 141.6 0.1	210.5 121.0 ( <sup>1</sup> )	1,501.9 311.9	291.5 170.6 ( <sup>1</sup> )	173.9	302,6 ( <sup>1</sup> )	171.6 ( <sup>1</sup> )	(1) (1)
Nonirrigated farmsnumber 1950         Average acreage per farm:         All landacres 1949         Cropland harvestedacres 1949         Land in bearing and nonbearing fruit orchards, planted nut         trees, and vineyardsacres 1949         Vegetables harvested for saleacres 1949         Small grains (including sorghums)acres 1949         Ail hayacres 1949         All hayacres 1949	1,345,1 347,9 (1) (1) 26,7 284.0	202.1 141.6 0.1 0.1 45.7 16.5	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5	173.9 (1) (1) 66.7 19.1	302.6 ( <sup>1</sup> )  233.0 12.5	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1	(1) (1)
Nonirrigated farmsnumber 1950         Average acroage per farm:         All land.         CropLand harvested.         Land in bearing and nonbearing fruit orchards, planted nut         trees, and vineyards.         Vegetables harvested for sale.         Small grains (including sorghums).         All hay.	1,345,1 347,9 ( <sup>1</sup> ) ( <sup>1</sup> ) 26,7 284,0 97	202.1 141.6 0.1 0.1 45.7	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 131	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338	173.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 66.7 19.1 284	302.6 ( <sup>1</sup> ) 233.0 12.5 179	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102,2	(1) (1)
Nonirrigated farms	1, 345, 1 347, 9 (1) (1) 26, 7 284, 0 97 44 61	202.1 141.6 0.1 45.7 16.5 647 399 757	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283 143 247	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 131 113 109	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167 399	173.9 (1) (1) 66.7 19.1 284 341 522	302.6 ( <sup>1</sup> ) 233.0 12.5 179 313 240	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149 213	
Nonirrigated farms	1, 345, 1 347, 9 ( <sup>1</sup> ) 26, 7 284.0 97 44	202.1 141.6 0.1 0.1 45.7 16.5 647 399	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283 143	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 131 113	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167	173.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 66.7 19.1 284 341	302.6 ( <sup>1</sup> )  233.0 12.5 179 313	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149	(1) (1)
Nonirrigated farmsnumber 1050         Average acroage per farm:         Ail land         Air land         Cropland harvested	1, 345, 1 347, 9 (1) (1) 26, 7 284, 0 97 44 61	202.1 141.6 0.1 45.7 16.5 647 399 757	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283 143 247	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 131 113 109	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167 399	173.9 (1) (1) 66.7 19.1 284 341 522	302.6 ( <sup>1</sup> ) 233.0 12.5 179 313 240	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149 213	(1) (1)
Nonirrigated farms	1, 345, 1 347, 9 (1) (1) 26, 7 284, 0 97 44 61	202.1 141.6 0.1 45.7 16.5 647 399 757	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283 143 247	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 131 113 109	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167 399	173.9 (1) (1) 66.7 19.1 284 341 522	302.6 ( <sup>1</sup> ) 233.0 12.5 179 313 240	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149 213	( <sup>1</sup> ) ( <sup>1</sup> ) 29
Nonirrigated farms	1.345.1 347.9 (1) (1) 26.7 284.0 97 44 61 23,648	202.1 141.6 0.1 0.5 16.5 647 399 757 21,437	210.5 121.0 ( <sup>1</sup> ) (1) 40.2 24.4 283 143 247 19,422	1,501.9 311.9 (1) (1) 129.0 150.3 131 113 109 34,699 22 1,874	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 21.5 338 167 399 18,491	173.9 (1) (1) 66.7 19.1 284 341 522 16,927 42 2,536	302, 6 (1) 233,0 12, 5 179 313 240 45, 990	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149 213 26,187 76 4,241	( <sup>1</sup> ) ( <sup>1</sup> ) 29
Nonirrigated farms	1. 345. 1 347.9 (1) (1) 26.7 284.0 97 44 61 23, 648 15 585 585 2	202.1 141.6 0.1 0.1 45.7 16.5 647 399 757 21,437 7 339	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283 143 247 19,422 537 31,586	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 3111 113 109 34,699 22 1,874 174	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167 399 18,491 25 1,305 1,305	173.9 (1) (1) 66.7 19.1 284 341 522 16,927 42 2,536	302, 6 ( <sup>1</sup> ) 233,0 12, 5 179 313 240 45, 990 3 3 135	171.6 (1) (1) 102.2 7.1 175 149 213 26,187 76 4,241 65	(1) (1) 29 3
Nonirrigated farms	1.345.1 347.9 (1) (1) 26.7 284.0 97 44 61 23,648	202.1 141.6 0.1 0.5 7 16.5 647 7399 757 21,437 7 339 	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 40.2 24.4 283 143 247 19,422 537 31,586	1,501.9 311.9 (1) (1) 129.0 150.3 131 113 109 34,699 22 1,874	291.5 170.6 ( <sup>1</sup> ) 55.1 21.5 338 167 399 18,491 25	173.9 (1) (1) 66.7 19.1 284 341 522 16,927 42 2,536	302, 6 ( <sup>1</sup> ) 233, 0 12, 5 179 313 240 45, 990 3 135	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149 213 26,187 76 4,241	(1) (1) 29 3
Nonirrigated farmsnumber 1950         Average acrage per farm:         All landacres 1949         Cropland harvestedacres 1949         Land in bearing and nonbearing fruit orchards, planted nut         trees, and vineyards	1,345.1 347.9 (1) (1) 26.7 284.0 97 44 61 23,648 15 585 2 2 191	202.1 141.6 0.1 0.1 45.7 16.5 647 399 757 21,437 7 339	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 224.4 283 143 247 19,422 537 31,586	1,501.9 311.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 129.0 150.3 3111 113 109 34,699 22 1,874 174	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167 399 18,491 1,305 1,305 1 20	173.9 (1) (1) 66.7 19.1 284 341 522 16,927 42 2,536 	302.6 ( <sup>1</sup> )  12.5 179 313 240 45,990 3 135 	171.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 102.2 7.1 175 149 213 26,187 76 4,241 65 8,337	( <sup>1</sup> ) ( <sup>1</sup> ) 29 
Nonirrigated farms	1, 345, 1 347, 9 (1) (1) 26, 7 284,0 97 44 61 23, 648 15 585 2 191	202.1 141.6 0.1 0.1 45.7 16.5 647 399 757 21,437 7 7 339	210.5 121.0 (1) (1) 40.2 24.4 283 143 247 19,422 537 31,586	1,501,9 311,9 (1) (2) 129,0 150,3 131 113 109 34,699 22 1,674 10 1,031 1 230	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 21.5 338 167 399 18,491 25 1,305 1 20	173.9 (1) (3) (66.7 19.11 284 341 522 16.927 42 2,536 	302.6 ( <sup>1</sup> ) 233.0 12.5 179 313 240 45,990 3 135	171.6 (1) (1) 102.2 7.1 175 149 213 26,187 76 4,241 65 8,337	(1) (1) (1) 29, 
Nonirrigated farms	1, 345, 1 347, 9 (1) (1) (26, 7 284.0 97 44 61 23, 648 15 585 2 191	202.1 141.6 0.1 45.7 16.5 647 399 757 21,437 7 339	210.5 121.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 24.4 283 143 247 19,422 537 31,586	1,501.9 311.9 (1) (1) 129.0 150.3 131 113 109 34,699 22 1,874 10 1,031 230 453 47,147	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 21.5 338 167 399 18,491 25 1,305 1 20	173.9 (1) (1) 66.7 19.1 284 341 522 16,927 42 2,536	302, 6 ( <sup>1</sup> ) 233,0 12,5 179 313 240 45,990 3 135	171.6 (1) (1) 102,2 7,1 175 149 213 26,187 76 4,624 65 8,337  376 35,964	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Nonirrigated farms	1, 345, 1 347, 9 (1) (1) (26, 7 284, 0 97 44 61 23, 648 15 585 2 191 	202.1 141.6 0.1 0.1 45.7 16.5 647 399 757 21,437 7 339	210.5 121.0 (1) (1) (2) 224.4 283 143 247 19,422 537 31,586 	1,501.9 311.9 (1) (1) 129.00 150.3 131 113 109 34,699 22 1,674 10 1,031 1 230 453	291.5 170.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.1 21.5 338 167 399 18,491 25 1,305 1,305 20 	173.9 (1) (3) (6,7 19.1 284 341 522 16,927 42 2,536  2	302.6 (1) 233.0 12.5 179 313 240 45,990 3 135	171.6 (1) (1) 102.2 7.1 175 149 213 26,187 76 4,241 65 5 8,337  376	(1) 29, 

Less than 0.05,

#### OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945-Continued

based or	a reports	for only	à	sample of	farms.	See ter	a]
pases of	a roboree	IOI ONIJ	-	ampic or			

and and a

ased on rej	ports for o	nly a sampl	e of farms.	See text]												<del>~~</del>
Polk	Red Willow	Saline	Sarpy	Scotts Pluff	Seward	Sheridan	Sherman	Sioux	Stanton	Thayer	Yall <del>e</del> y	Webster	Wheeler	York	All other counties	
73 44 5.6 22,235 304.6 40,222 163.14 62 50	67 62 7.8 29,585 441.6 30,019 70.99 130 124	30 5 1.6 7,144 238.1 32,362 142.57 67 64	4 0.4 754 188.5	1,657 1,633 90.2 375,952 226.9 26,920 117.70 99	25 1 1.4 6,815 272.6 27,331 113.52 90 71	116 1 10.5 43,163 372.1 19,804 47.93 96 107	105 92 10.0 39,005 371.5 25,779 54,32 101 129	269 244 46.8 362,307 1,346.9 30,044 22,52 105 104	11 5 0,9 4,246 386.0 40,269 116.99 164 146	25 3 1,7 7,663 306.5 44,688 123.38 64 76	236 230 22.6 83,947 355.7 27,531 67.07 102 118	20 1 1.8 11.091 554.6 35,004 76.25 105 87	3  3,060 1,020.0 	143 29 . 8, 4 35, 742 249, 9 42, 444 151, 31 105 118	16 8 0,1 29,573 1,848,3 55,446 22,37 50 67	
73 16,008 1,005 490 200 3,471 64 4,676 4,976 2,521	66 13, 502 833 4, 415 166 9, 633 50 10, 632 4, 430 3, 693 	30 5,180 213 263 340 711 30 1,264 1,266 151 2 2	4 425 19 45 50 6 69 189 	1,622 183,220 15,431 14,040 1,892 137,815 900 155,138 178,092 177,005 10 847	25 4,999 357 330 352 232 22 941 1,484 78 2 2 145	115 17,142 526 1,052 113 20,689 75 21,328 10,803 35 5 639	105 15,958 713 1,003 133 19,615 104 20,461 5,352 4,754 4,754 4	264 39,531 2,705 3,484 7,164 302,150 312,019 30,841 25,486 1 1	11 2, 392 118 62 5 1, 455 11 1, 578 598 382	25 5, 221 642 267 224 1, 074 24 1, 940 1, 607 210 5 309	236 37,492 1,963 3,063 181 37,704 210 39,848 16,942 15,723	19 4, 884 149 1, 763 254 3, 495 17 3, 897 960 155	3 1,349  77 5 1,499 3 1,504 105 	143 26,913 1,781 1,454 305 3,495 132 5,581 10,686 1,466 1,466 14 727	16 8,664 64 499 55 20,072 15 20,191 685 216 4 156	11 12 13 14 15 16 17 16 19 20 21
73 4,976	65 4,399 3 31 1 9 2 22	30 1,256 1 10 1 1 10	4 189 	1,622 168,057 316 7,255 94 3,720 239 3,535 147	25 1,450 2 24 2 24 24 24	115 10,178 25 365 4 91 23 274 16	104 5,280 4 51 4 51	261 27,594 66 2,895 14 1,886 52 1,009 24	11 / 598	24 1,596 2 11 2 11	236 16,687 24 217 6 75 18 142 5 28	19 931 2 9 2 9 1 20	3 105	143 10,598 6 58 6 58 1 30	14 553 3 112 2 50 2 62 62 1 20	24 25 26 27 -28
1 1 8 17 31 13 2	4 5 10 11 21 15 1	2 5 5 8 9 1	1 1 1 1	2,780 79 33 36 97 606 669 137	10 4 1 6 8 5	260 2 1 1 3 69 39 1	21 5 13 11 25 40 11	352 7 9 2 28 111 82 30	3 1 3 2 2	1 3 4 13 4	38 12 13 20 47 90 48 6	3 3 7 6 1	1 1 	2 2 7 29 71 29 3	2 5 4 2 1 1 1	32 33 34 35 36 37 38
25 26 1 21	21 21 25	8 17 5	3 1	515 218 4 920	8 9 8	94 17 5	40 27 	111 58 2 98	4 2 5	8 7 1 9	77 52 	6 9 5	2 1 	41 41 1 60	9 6 1	39 40 41 42
1 340 330 330 72	10 1,485 942 942 57	30	1 20 16 16 3	1,336 230,078 139,276 147,042 . 321	2 90 46 46 23	79 9,899 7,049 7,554	2 162 113 113 103	175 67,542 18,063 19,200 94	11		24 4,556 2,123 2,204 212	20		7 1,070 554 595 136		43 44 45 46 47
21,895 72 15,678 4,646 72 4,646	28, 100 56 12, 560 3, 48R 55 3, 457	7,144 30 5,180 1,266 30 1,256	734 3 409 173 3 173	145,874 286 43,944 31,050 286 28,781	6,725 23 4,953 1,438 23 1,404	33, 264 36 10, 093 3, 249 36 3, 129	38,843 103 15,845 5,239 102 5,167	294,765 89 21,468 11,641 86 9,531	4,246 11 2,392 598 11 598	7,663 25 5,221 1,607 24 1,596	79,391 212 35,369 14,738 212 14,564	11,091 19 4,884 960 19 931	3,060 3 1,349 105 3 105	34,672 136 26,359 10,091 136 10,044	16 8,664 685 14	48 49 50 51 51 51 51
1 340.0 330.0	10 148.5 94.2		1 20.0 16.0	1,336 172,2 104,2	2 45.0 23.0	79 125.3 89.2	2 81.0 56,5	175 386.0 103.2		••••••	24 189.8 88.5			7 152.9 79.1		5 5 5
68.0 30.0	0.3 11.3 14.0	( <sup>1</sup> )	4.0	( <sup>1</sup> ) 1, 1 21, 2 19, 2	3.0 0,5 6.0	( <sup>1</sup> ) 26.0 13.1	4.0	( <sup>1</sup> ) 0.8 19.3 27.0			8.0 14.9			13,1 12,4		5 6
1 65,000 1,229	3 3 4 10,000 795	1,804	1 	397 166 773 27,302 180	2 5,000 1,822	74 5 15, 555 991	1 14,500 940	74 26 75 19,114 306	1,176	 1,417	8 4 12 16,270 809	1,110	294	5 2 18,800 1,551	8,500 26,630	62 63 64 65
198.3 150.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 55.5	532.0 188.3 ( <sup>1</sup> ) ( <sup>1</sup> ) 117.8	190.9 136.6 0.1 ( <sup>1</sup> ) 64.5	146.3 106.3 0.1 0.1 30.4	B17.6 107.6 ( <sup>1</sup> ) 0.1 79.0	194, 1 143.0 ( <sup>1</sup> ) ( <sup>1</sup> ) 49, 3	1,583.0 352.2 ( <sup>1</sup> ) ( <sup>1</sup> ) 139.5	310.9 154.1 ( <sup>1</sup> ) ( <sup>1</sup> ) 42.4	2,664.3 185.9 ( <sup>1</sup> ) ( <sup>1</sup> ) 58,2	221.2 145.8 0.1 ( <sup>1</sup> ) 45.6	244, 6 161, 0 ( <sup>1</sup> ) ( <sup>1</sup> ) 89, 4	350.2 153.6 ( <sup>1</sup> ) ( <sup>1</sup> ) 46.0	(1) (1) 60.9	(1) (1) (1) 24.0	202.3 152.5 ( <sup>1</sup> ) ( <sup>1</sup> ) 52.8	164.8 0.1 ( <sup>1</sup> ) 47.0	61 61 61 71
13, 1 346 296 587 27, 194	7.5 283 257 256 23,670	14.0 598 475 731 22,955	10.5 433 153 355	23.5 108 35 37 30,405	11.0 574 414 834 27,062	149.5 391 318 282 30,048	36.3 399 197 344 11,071	111.0 159 94 53 36,634	20.1 427 226 523 26,278	559	33.8 358 193 258 14,818	16, 7 345 332 433 13, 292	61 60	9.7 458 392 701 27,114	10,912	
73 4,976	33 1,765 6 692	30 1,266	4 189 	12,892 16	25 1,484	10 746 1 91	29 1,025 5 292	48 7,758 15 2,807	10 578 1 20	1,607	16 1,153 9 608				491 - 1 135 1 24	7 7 8 8
•••••	28 1,973	· · · · · · · · · · · · · · · · · · ·		143, 213 128		86 8,090 19 1,876	71 4,035	203 19,345 3 931							35	2 8 5 8 8

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

I

[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	Adams	Antelope	Banner	Boone	Box Butte	Brown	Buffalo
ALL ENTERPRISES								
arms and land irrigated:								
All irrigation enterprisesenterprises 1950	5, 583	81	13	15	88	70	21	
1940	2,717	13	9	5	21	22	26	
Intercounty enterprisesenterprises 1950	21		••••••		•••••		•••••	
Irrigated farms <sup>1</sup> farms 1950	9,680	83	15	17	91	76	22	
Average per enterprisefarms 1950	1.7	1.0	1.2	1.1	1.0	1.1	1.0	1
Farms irrigated direct per enterprise <sup>2</sup>	2.0	1.0	0.9	1.0	1.0	1.1	1.1	
Irrigated land <sup>1</sup>	887,239	5,,619	446	1,668	6,444	14,277	1,718	51,
acres 1939	610,379	513	. 238	645	1,100	3,435	635	24,
Average per irrigated farmacres 1949	91.7	67.7	29.7	98.1	70.8	187.9	78,1	8
Average per enterpriseacres 1949 Average acreage irrigated direct per enterprise <sup>2</sup> acres 1949	159	69 69	34 34	111	73	204	82 82	
ype of enterprise, 1950:								
Single-farmenterprises acres irrigated	5,515 405,631	81 5,619	13 446	15	88 6,444	70 14,277	21 1,718	49.
Mutual:	403,031	.1, 019	440	1,000	0,444	14,211	1,110	, ,
Unincorporatedenterprises.	1 11					} 		
acres irrigated.,	5,873							
Incorporatedenterprises						1		
Incorporatedacres irrigated	15 43,289							(3)
acres irrigated Commercialenterprises			•••••					
	(3)							
acres irrigated Districtenterprises	1	•••••	• • • • • • • • • • • • •					
Uistrictenterprises acres irrigated								(3
acres irrigated N. S. Bureau of Reclamation <sup>4</sup>	445,138		•••••					-
	2		· · · · · · · · · · · · · · ·				••••	•••••
acres irrigated	13,231				• • • • • • • • • • • • •			
U. S. Bureau of Indian Affairs			<i></i>					• • • • • •
acres irrigated		•••••						
Stateenterprises		•••••			• • • • • • • • • • • • • •		•••••	
acres irrigated	•••••				· · · · · · · · · · · · · · · ·		<b></b>	• • • • • •
Cityenterprises acres irrigated							•••••	
se of surface, ground, pumped and stored water, 1949: Surface water:								
Gravity onlyenterprises reporting.	223	•••••	1	4		5	•••••	3.
acres irrigated	508,854			635		3, 450		1 3
Pumped onlyenterprises reporting.,	420		1	1	. 21		1	
acres irrigated	20,087		1	80	1,112		1	
Gravity and pumpedGravity and pumped	25		1	1				1
acres irrigated.,	22, 455			68				
Ground water only (pumped from wells)enterprises reporting	4, 561	71	10	9	61	64	20	44
acres irrigated	339,227	5,026	388	885	4, 247	10,639	1,717	49
Surface (gravity or pumped) and ground waterenterprises reporting acres irrigated	254 23,169	10 593	2 57		6 1,085	1 188		2
Stored water:							)	
None stored	5,405	81	13	14	88	70	21	
acres irrigated	532, 571	5,619	446	1,608	6,444	14, 277	1,718	52
Part stored	65				0,411			1
acres irrigated	374,959							
All stored	113			1				1
acres irrigated	6,262			60				
Sources of surface water, 1949:5	.,		1		1	1	1	1
Streams (and lakes)Streams (and lakes)	825	1	2	6	26	5	- 1	
acres irrigated	569,151	110	1	783	2,162	3, 450	1	7
Springsenterprises reporting	19			1				1
acres irrigated	1,040							
Flowing wellsenterprises reporting	61	8	1		2			1
acres irrigated	4,534	398	57		535	]	1	1
Drainage water	43				1	1		ł
acres irrigated	16, 119		1	1		188		1
Sewageenterprises reporting	2	1						
acres irrigated	110	85						
Other sources	110							1
acres irrigated			1					
rainage of irrigated land: <sup>6</sup> International In International International Internation								
Enterprises reporting	319	3	2		9	1		i
Area supplied primary irrigationacres 1949	313, 192	265	50		840	1,120		
Area artificially drainedacres 1949	103,297	113	33		209	1,120		3
acres 1939	47, 532							
Irrigated land in need of drainage:			1		1			
•	481	2		1	9	2	3	1
Enterprises reporting Enterprises 1949					· ·	, -	•	1
Enterprises reporting	300, 133	140		80	820	1.258	238	1 4
· · · · · · · · · · · · · · · · · · ·	300, 133 32, 284	140 18		80 1	820	1,258	238 238	

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

#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

1

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

Butler	Cedar	Chase	Cherry	Cheyenne	Clay	Colfax	Cuming	Custer	Dawes	Fawson	Deuel	Dodge	Douglas
		1											
22	5	22	6	72	100	66	4	127	31	724	55	29	]
16	(*)	11	21	60	5	30	12	1	1	486	58	30	
	5	29	7	76	98	64	7	1178	63	4 982	2	29	
1.0	1.0	)	J	1	,	1.0	1.8	1.4	2.0	1.4	1.0	1.0	1.
1.0	1.0		1.0	1.1		1.0	1.0	1.6	2.1	1.9	1.3	1.0	0.1
1,304 399	(*)	2,179 2,520	1,348 1,837	7,547	8,888 251	2,869 1,169	237	9,492 3,797	8,196 14,301	90,975	5,670 8,585	1,066	9
59.3	59.4	75.1	192.6	1	(	44.8	33.9	53.3	130.1	92.6	103.1	1, 289	41
59	59	1	225	105	1	43	59	75	264	126	103	37	1
59	59	99	225	105	89	43	59	75	271	134	127	37	1
22 1, 304	5 297		6 1, 348	71 7,292		66 2,869	4 237	126 6,067	29 2,911	716 48,811	53 4, 408	29 1,066	90
				1									
• • • • • • • • • • • •				(3)			••••					• • • • • • • • • •	
•••••										20,839	(3)		
		1				••••••							
• • • • • • • • • • • •		(3)											
• • • • • • • • • • • • •								(3)	(3)	3 27,400	( <sup>3</sup> )	· • • • • • • • • • • • • • • •	
• • • • • • • • • • • • •									1 1	21,400		•••••	
••••••													[
• • • • • • • • • • • •	•••••					• • • • • • • • • • • • • •						• • • • • • • • • • • •	• • • • • • • •
					• • • • • • • • • •							•••••	
• • • • • • • • • • • •													
						•••••							
						• • • • • • • • • • • • • • •			•••••				
••••••		4	2	7				2	23	8	5		
••••••	1	826	1,056	556	2		2	3, 585	7,891	48,239 23	2,678		
	34				150	293	117	959	465	866	1	1 70	
	1			1		2			1	1		•••••	
	60		·····	65		80			25	15			
22 1,304	3 203	18 1,353	4 292	60 6,206	87 7,900	54 2,171	2 120	88 4, 535	1	655 45, 877	46 3,892	25 866	9
				4	11	2		11		37	3	3	
•••••				720	838	325		488		2,053	348	130	
22 1,304	4 237	18 1,353	6 1, 348	70 7,083	100 8,888	66 2,869	4 237	127 9,567	27 2,411	710 48,461	54 6,108	29 1,066	96
1,004	2.31	1,000	1,040	1,003					3	13	1		
	60			340					5,785	48,549	885		
•••••		4		1			• • • • • • • • • • • • •		1	1			
•••••		826		124			••••		200	40			
• • • • • • • • • • • •	2	4	2	12 1,341	3 235	12 698	2 117	38 5,008	30 8,381	65 50,915	8 3,026	1 70	1
	94	826 1	1,056	1,341							3,020		
		56					•••••						
		1			10		•••••	1	<i></i>	2	1	3	
•••••	1	80			753		• • • • • • • • • • • • •	24		175 2	75	130	
	60									83			
										····			
••••••					••••••				•••••	····			
							· · · · · · · · · · · · · · · · · ·					•••••	
1					6	1	1	5	1	38		3	1
60					627	23	100	242	5,485	35,661		360	
20	(*)		1		273	23 282	60 (•)	201	200 (*)	7,926 2,353		325	
	<b>C</b> )		1			202	<b>、</b> )		X 7	(،،،، 2			
2				2	13	2	•••••	3	2	63	8	1	
260 80				224	982	55		230	5,955	11,784	605	250	•••••
		1		85	120	36		46	160	6,377	243	250	

## IRRIGATION OF AGRICULTURAL LANDS

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

ted in each county in which they had irrigation works, but only once in State total. For intercounty and interstate enterprises, -----

(For definitions	Item and explanations, see text)	Dundy	Fillmore	Franklin	Frontier	Furnas	Gage	Garden	Garfie
	ENTERPRISES								
Farms and land irrigated:									
	enterprises 1950	25	48	39	3	49	3	32	
-	1940	13	3	17	5	25	10	22	
	enterprises 1950	1				• • • • • • • • • • • • • • • •		1	
Irrigated farms <sup>1</sup>	farms 1950	43	49	41	5	51	5	107	.
		1.7	1.0	1.1	1.7	1.0	1.7	3.3	
	r enterprise <sup>2</sup> farms 1950 	1.7	1.1	1.0	1.0	1.0	1.0	4.8	
Irrigated land*	acres 1939.	4,001 4,487	3,095	2,098	72	2,384 699	20.4	10, 355 11, 804	4, 2,
Average per irrigated far	macres 1949	93.0	63.2	51.2	71.0	46.7	40.B	96.8	1
	acres 1949	160	64	54	118	49	68	324	
Average acreage irrigated dip Type of enterprise, 1950:	rect per enterprise <sup>2</sup> acres 1949	160	64	56	118	53	68	343	
Single-farm	enterprises	24	48	39	3	49	3	22	
	acres irrigated	2, 377	3,095	2,168	355	2,577	204	876	]
Mutual:									
Inincorporated	enterprises acres irrigated				1	******	1	(3)	
Tegopported	enterprises.				1		1	3	
Incorporated	acres irrigated.						1	2, 230	
Commercial	enterprises.			L I				, vou	
······································	acres irrigated		1						
District	enterprises	1						6	
	acres irrigated	(3)					1	6, 578	(*)
II, S. Bureau of Reclamation <sup>4</sup> .	epterprises,.				1				
	acres irrigated			· · · · · · · · · · · · · · · ·			1		
U. S. Bureau of Indian Affair	rsenterprises			••••	1				
<b>6</b>	acres irrigated., 			•••••					
State	acres irrigated.			1					
Ciru	acres irrigateu								
CITY	acres irrigated.						1		
se of surface, ground, pumped a Surface water:	-								
Gravity only		4		2		1	'	13	
	acres irrigated	2,680		8		70		10,189	<b></b>
Pumped only		2	1	5		9	2		
	acres irrigated	42	125	460	•••••	240	100		
Gravity and pumped	enterprises reporting	l i		1					3,
	acres irrigated			20 29			1		3,
Ground water only (pumped ird	om wells)enterprises reporting acres irrigated	15 1,025	41 2,751	1, 533	355	32 2,024	104	536	ļ
Surface (gravity or pumped)	and ground water,enterprises reporting	4	6	1, 333		2,024			
Stored water:	acres irrigated	254	219	147		243		255	
		24	48		1				· ·
				36	3	47	3	29	
ŝ	acres irrigated	3,951	3.095	36 2.009	3 355	47 2.477	3 204	29 7,321	4.
Part stored	acres irrigated.	3,951	1	36 2,009		47 2,477 1	1		4, 
Part stored		•	3,095	2,009			204	7,321	4, 
	enterprises reporting acres irrigated enterprises reporting		3, 095	2,009 3	355	2,477 1 30 1	204	7,321 2	
All stored	enterprises reporting, acres irrigated. enterprises reporting, acres irrigated.		3, 095	2,009 	355	2,477 1 30	204	7,321 2 3,659	
All stored	enterprises reporting acres irrigated enterprises reporting. acres irrigated	1	3, 095	2,009  3 159	355	2,477 1 30 1 70	204	7,321 2 3,659 1	
All stored	enterprises reporting, acres irrigated. enterprises reporting, acres irrigated. 5 enterprises reporting.	1 50 6	3, 095	2,009  3 159 8	355	2,477 1 30 1 70 17	204	7, 321 2 3, 659 1 	
All stored	enterprises reporting acres irrigated enterprises reporting. acres irrigated	1	3, 095	2,009  3 159	355	2,477 1 30 1 70	204	7,321 2 3,659 1	
All stored	enterprises reporting acres irrigated enterprises reporting acres irrigated 5 enterprises reporting acres irrigated	1 50 6 2,722	3, 095 6 276	2,009 3 159 8 627	355	2,477 1 30 1 70 17 553	204 	7, 321 2 3, 659 1  17 10, 444	
All stored	enterprises reporting acres irrigated enterprises reporting acres irrigated 5 enterprises reporting acres irrigated enterprises reporting.	1 50 6 2,722	3, 095 6 276	2,009 3 159 8 627 2	355	2,477 1 30 1 70 17 553	204 	7, 321 2 3, 659 1  17 10, 444	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722	3, 095 6 276	2,009 3 159 8 627 2 8 8	355	2,477 1 30 1 70 17 553	204 	7, 321 2 3, 659 1  17 10, 444	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. centerprises reporting. acres irrigated. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. centerprises reporting.	1 50 6 2,722 4 254	3,095 6 276 1 68	2,009 	355	2,477 1 30 1 70 17 553 1 90	204 	7,321 2 3,659 1  17 10,444	
All stored	enterprises reporting. acres irrigated. enterprises reporting. scres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 4 254	3,095 	2,009 3 159 8 627 2 8 	355	2,477 1 300 1 70 17 553 1 90	204 	7, 321 2 3, 659 1  17 10, 444 	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. s enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 	3,095 	2,009 3 159 8 627 2 8 8	355	2,477 1 30 1 70 17 553 1 90	204 	7,321 2 3,659 1  17 10,444	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. acres irrigated. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 4 254 	3,095 	2,009 3 3 159 8 627 2 8 	355	2,477 1 30 1 70 17 553 1 90 1	204 	7, 321 2 3, 659 1  17 10, 444 	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. acres irrigated. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 	3,095 	2,009 3 159 8 627 2 8 	355	2,477 1 30 1 70 17 553 1 90 	204 	7, 321 2 3, 659 1  17 10, 444 	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. acres irrigated. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 4 254 	3,095 	2,009 	355	2,477 1 30 1 70 17 553 1 90 1	204 	7, 321 2 3, 659 1  17 10, 444 	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. s enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 	3,095 6 276 1 68 1	2,009 3 159 8 627 2 8 	355	2,477 1 30 1 70 17 553 1 90 	204 	7, 321 2 3, 659 1  17 10, 444 	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 4 254 	3,095 6 276 1 68  1 68 3	2,009 3 3 159 8 627 2 8  8 	355	2,477 1 30 1 70 17 553 1 90 	204 	7, 321 2 3, 659 1  17 10, 444    1	
All stored	enterprises reporting. acres irrigated. enterprises reporting. scres irrigated. enterprises reporting. acres irrigated. enterprises 1949.	1 50 6 2,722 4 254	3,095 	2,009 	355	2,477 1 30 1 70 17 553 1 90 1 	204 	7, 321 2 3, 659 1  17 10, 444    1890	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated.	1 50 6 2,722 4 254 	3,095 6 276 1 68  1 68 3	2,009 3 3 159 8 627 2 8  8 	355	2,477 1 30 1 70 17 553 1 90 	204 2 1000 	7, 321 2 3, 659 1  17 10, 444    1	
All stored	enterprises reporting. acres irrigated. scres irrigated. scres irrigated. scres irrigated. scres irrigated. centerprises reporting. acres irrigated. centerprises 1949. acres 1949. acres 1949. acres 1939.	1 50 6 2,722 4 254 	3,095 	2,009 	355	2,477 1 30 1 70 17 553  1 90 	204 	7, 321 2 3, 659 1  17 10, 444    1890	4,
All stored	enterprises reporting. acres irrigated. enterprises 1949. acres 1939. ainage: enterprises 1949.	1 50 6 2,722 4 254  	3,095 	2,009 	355	2,477 1 30 1 70 17 553  1 90 	204 2 1000 	7, 321 2 3, 659 1  17 10, 444   1890 100  3	
All stored	enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. acres irrigated. enterprises reporting. centerprises reporting. acres irrigated. enterprises 1949. acres 1939. ainage:	1 50 6 2,722 4 254  	3,095 	2,009 	355	2,477 1 30 1 70         	204 	7, 321 2 3, 659 1  17 10, 444       	4.

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

#### 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]

Gosper	Greeley	Hall	Hamilton	Harl an	llayes	Hitchcock	Howard	Kearney	Keith	Kimball	Lancaster	Lincoln	Loup
24			221	45		31			112	53	3		20
15 1	5		6	19	11	15	16		82 3	40	(*)	157	5
69 2.9	59	1	229 1.0	46	11 1.1	118	41	278 2.2	140	66	3	436	50 2.5
4.9	1,1	1.0	1.0	1.0	1.1	3.9		2.2	1.2	1.2	1.0	1.8	2.5
6,929	3,717		20,490	2,646		11,005	1,824	29,718	18,891	8,495		45,213	3, 393
937 100.4	601 63.0	10,875	1,341 89.5	624 57.5	744	11, 366 93. 3	511 44.5	6,730 106.9	16,690 134.9	8,192 128.7	(*)	44,022	4,224
289	66	81	93	59	148	355	41	238	169	160	28	184	170
289	69		93	59	148	358	41	238	221	178	28	193	170
23 1,929	55 3,170	706 56,890	221 20,490	45 2,646	10 1,485	29 2, 177	45	124 9,718	107 13,776	52 7,173	3 84	236 12, 195	18 688
•••••									( <sup>3</sup> )			( <sup>3</sup> )	
						1						2	
					•••••	(3)						(3)	
( <sup>3</sup> )	( <sup>3</sup> )					( <sup>3</sup> )		( <sup>3</sup> )	3 10,400	( <sup>3</sup> )		7 26,743	( <sup>3</sup> )
	]												
••••	••••••				•••••	• • • • • • • • • • • • •						•••••	····
••••••					· · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·							
••••			[			•••••				·····	[		
•••••													
•••••					•••••			•••••		·····		•••••	
1			2			2	1	3	8	5		10	1
5,000			130			8,923	25	20,039	11, 463	3, 129		35, 193	250
7 304 -	531		3 95	17 834	1 52	2 222	5	1	1,156	1	1 20	39 2,917	6 282
•••••	1				·····	•••••	••••					1	1
 15	697	705	211	23	7		38	121	95		1	80 186	2,455
1, 555	2,386	56,700	19, 945	1, 445	548	1,425	1,697	9,662	10, 573	3, 129	4	8,402	406
1 70	7 253	1 190	5 320	5 367	2 885	3 530	1 40	1	5 1,602	20 3, 130	1 60	10 796	
18 1,679	56 3,867	706	220 20, 480	45 2,646	10 1, 485	31 11, 100	44 1,794	123 9,706	111 24,794	40 5, 793	2 24	240 45,877	20 3, 393
1 5,000				•••••	•••••	•••••	••••••	1 20,000	1	11 3,541	1 60	1,312	
5,000			1			• • • • • • • • • • • • • • • • • • • •	1	1		2		2	
250			10		•••••	• • • • • • • • • • • • • • • • • • • •	30	12	•••••	84		199	
7 5,284	14 1,431		7 320	22 1,201	3 937	5 9,265	7 127	4 20,056	16 14, 165	26 6,289	1 20	51 38,645	8 2,987
•••••				1 40		• • • • • • • • • • • • • • •			1 56			2 199	
1		1	1			2			1				
		190	75 2			410			56	1	1	8	
70	( i		-							123	60	261	
70 1 20	1 50		150										
1	1		150 				•••••						
1	1			· · · · · · · · · · · · · · · · · · ·		••••••••••••••••••••••••••••••••••••••				·····			
1	1				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			·····			
1	1		150  	······	·····				4	1	·····		
1	1	104	8 869	25	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	301	814	6,146	25		20, 587	
1	1			-	·····	· · · · · · · · · · · · · · · · · · ·		1	-	1		,	
1 20	50	104 11,078 5,587 (*)		25 20 (*)		· · · · · · · · · · · · · · · · · · ·	301 295 	814 294	6,146 1,414 (*)	25 25		20,587 8,110 14,820	
1 20	1	104 11,078 5,587	 8 869 247	25 20			301 295	814	6,146 1,414	25 25		20, 587 8, 110	

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

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

	Intercounty enterprises are counted in each county in which		rigación wor	ha, but only			101 110.11	ouney and r		inter prines
T	Item (For definitions and explanations, see text)	Madi son	Merrick	Morrill	Nance	Nuckolls	Perkins	Phelps	Platte	Polk
f	ALL ENTERPRISES									
	Farms and land irrigated:							•		
1	All irrigation enterprisesenterprises 1950	7	561	48	26	41	3	146	92	69
2	1940	16	62	48	3	7	3	51	18	6
3	Intercounty enterprisesIntercounty enterprises 1950		1	5				1		
4	Irrigated farms <sup>1</sup> farms 1950	7	538	539	27	44	3	517	88	73
5	Average per enterprisefarms 1950	1.0	1.0	11.2	1.0	1.1	1.0	3, 5	1.0	1.1
б	Farms irrigated direct per enterprise <sup>2</sup>	1.0	1.0	14.0	1.0	1.1	1.0	4.5	1.0	1.0
7	Irrigated land <sup>1</sup> acres 1949 acres 1939	339 584	31,914 2,878	62,973 79,962	1,375	2, 581 323	135	51,985 4,502	3,854 535	4,859 308
B	Average per irrigated farmacres 1949	48.4	59.3	116.8	50.9	58,7	45.0	4,502	43.8	66.0
9	Average per enterpriseacres 1949	48	57	1, 312	53	63	45	356	42	70
1	Average acreage irrigated direct per enterprise <sup>2</sup> acres 1949 Type of enterprise, 1950:	48	57	1, 330	53	63	45	356	42	70
2	Single-farmenterprises.	7	561	33	26	41	3	145	92	69
3	acres irrigated.,	339	31,914	2,994	1,375	2,581	135	7,020	3,854	4,859
	Mutual:									
4	l níncorporatedenterprises		•••••	4						
5	acres irrigated.			1, 891		•••••				
б [	Incorporatedenterprises		•••••	1		•••••				• • • • • • • • •
7	acres irrigated.			(3)		•••••		• • • • • • • • • • •		
	Commercialenterprises			•••••				• • • • • • • • • •		
	acres irrigated.	•••••	•••••		•••••					
0	Districtenterprises	•••••	•••••	10 57 609		• • • • • • • • • • •		( <sup>3</sup> )		
1	acres irrigated U. S. Bureau of Reclamation <sup>4</sup>	• • • • • • • • • • • •	•••••	57,698		· · · · · · · · · · · · · ·				
3	U. S. Bureau of Mechamation		•••••	•••••				• • • • • • • • • • • • • • • • • • •		
4	U. S. Bureau of Indian Affairs									
5	acres irrigated.									
5	Stateenterprises									
	acres irrigated.,									
	Cityenterprises									
ų.	acres irrigated.,									
l	ise of surface, ground, pumped and stored water, 1949:								i i i i i i i i i i i i i i i i i i i	
	Surface water:									
0	Gravity onlyenterprises reporting	•••••		24				4	1	
1	acres irrigated	· · · · · · · · · · · · · ·		62, 263				45,123	70	
2	Pumped onlyenterprises reporting	3	5	3	14	6		61	9	2
3	acres irrigated	146	122	106	918	280		2,309	192	150
4	Gravity and pumped	•••••		• • • • • • • • • • • •	<i></i>		•••••	1		
5	acres irrigated	•••••			•••••			30		
б	Ground water only (pumped from wells)enterprises reporting.	4 193	552	16	10	32	2 110	71 3,956	81 3,522	4,70
8	acres irrigated Surface (gravity or pumped) and ground waterenterprises reporting	193	31, 582 4	826 5	329	2,096	1 110	3,930	3, 322	
	acres irrigated.		4 210	639	128	205	25	602	70	
1	Stored water:	******	210	0.09	125	200	23	002		
0	None stored	7	561	44	26	39	3	84	92	6
1	acres irrigated	339	31,914	23, 761	1,375	2, 540	135	4,601	3,854	4,559
2	Part stored reporting			4				. 3		:
3	acres irrigated			40,073				45,069		30(
4	All storedenterprises reporting					2		59		
5	acres irrigated	·····				41		2, 350		
	Sources of surface water, 1949: <sup>5</sup>		-			-			1.	
5	Streams (and lakes)	3	7 238	£0 002	15 996	7	•••••	73	10 262	15
7	acres irrigated Springsenterprises reporting	146	238	62,883 4	996	444	•••••	47,972	202	13
	opringsenterprises reporting			525						
0	acres irrigated Flowing wellsenterprises reporting				1			1	. 1	
1	acres irrigated.	1			50			35	70	
2	Drainage water		2	1	1	2		3		
3	acres irrigated		94	9,029	50	41		89		
۱Ì.	Sewageenterprises reporting						1			
5	acres irrigated						25			
:	Other sourcesenterprises reporting									•••••
r	acres irrigated.		• • • • • • • • • • •	• • • • • • • • • •	•••••	•••••		•••••		• • • • • • • • •
	Drainage of irrigated land: <sup>6</sup>									
	Irrigated land drained:								Ι.	
3	Enterprises reporting		12	2		2		3		1
9	Area supplied primary irrigation		736	30,984	•••••	.140	••••••	125	40	68 58
0	Area artificially drainedacres 1949		391	500		89	•••••	95	40) 40)	(*)
1	acres 1939 Irrigated land in need of drainage:			4, 164	• • • • • • • • • • •	••••••		••••		(- J
2	Enterprises reporting,Enterprises 1949		19	<u>ہ</u>		1		16	1	
				40,001		52		994	30	29
- 1	Area supplied primary irrigation		1. 30 2							
53	Area supplied primary irrigationArea in need of drainageArea in need of drainage		1,382 423	1,401		5		342	30	33

<sup>201</sup> <sup>7</sup>Not available. <sup>1</sup>Farms or acresirrigated. 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.) <sup>2</sup>Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise. <sup>3</sup>Data for less than 3 enterprises not shown separately. <sup>4</sup>Lata for less than 3 enterprises shown with permission of the enterprise. <sup>5</sup>Enterprises reporting water from more than 1 source are counted for each. <sup>6</sup>For 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]

Red Willow	Saline	Sarpy	Scotts Bluff	Seward	Sheridan	Sherman	Sioux	Stanton	Thayer	Valley	Webster	Wheeler	York	All other counties
														[
39	44	3	162	24		37	67	9	22	27	18	3	139	1
53	13	(•)	124	1	10	5	52	7	5	1	13	(*)	15	(+)
67	30	4	1,657	25	116	105	269	11	25	236	20	3	143	1
1.7	0.7	1.3	10.2	1.0	10.5	2.8	4.0	1.2	1.1	8.7	1.1	1.0	1.0	1.
2.3	0.7	1.0	13.2	1.1	11.2	3.0	4.3	1.0	1.0	12.0	1.0	1.0	1.0	1.0
4,446 4,542	1, 266 249	(*)	181, 429 200, 468	1,424	11,246 429	5,459 2,034	30,886 32,824	500 453	1,432	17,488 9,288	800	105 (*)	10,906 456	62 (*)
66.4	42.2	46.8	109.5	57.0	96.9	52.0	114.8	45.5	57.3	74.1	40.0	35.0	76.3	32.6
114 124	29 29	62 62	1, 120 1, 150	59	1,022 1,022	148 152	461 472	56 56	65 65	648 651	44	35 35	78	41
38	[	3	]	1					)	[	44	}	78	4
2,091	44 1,266	187	148 5, 349	24	10 746	36 1, 331	64 9,432	9 500	22 1,432	25 1,088	18 800	3 105	139 10,906	11 624
•••••							( <sup>3</sup> )						·····	
• • • • • • • • • • • • • • • • • • •			3											
• • • • • • • • • • • • •		[	8, 325										• • • • • • • •	<i>.</i>
•••••	•••••	[			••••			•••••				• • • • • • • • •	• • • • • • • • • •	••••••
• • • • • • • • • • • • • • • • • • •			11			1	1			2				••••••
• • • • • • • • • • • •			172,642			(3)	(3)			(3)				
1					1									
2,731					10,500							•••••		
•••••								•••••						•••••
•••••					•••••									
•••••	•••••				•••••			•••••						
3 2,831			26 180,818	1	1 10,500	4 4, 364	47 30,016		1	2 2,555			1 65	227
	24	1	17	10	3	7	4	2		5	4	1	13	
•••••	333	16	669	547	41	217	375	80	•••••	147	258	10	406	9
•••••	• • • • • • • • • • •		2	2 46	1 40	•••••	4 515	• • • • • • • • • • • •	•••••	1 14,000	•••••	••••	••••	
36	20	2	114	11		21	12	7	21	14,000	12	2	119	
1,991	933	171	3, 567	824	665	808	701	420	1, 417	871	502	95	9,758	30
•••••			3 1,223			5 225			·····	1 15	2 40		6 677	· · · · · · · · · · · ·
39 4,822	43 1,246	3 187	152 21,488	24 1,424	10 746	35 5,588	42 6,005	9 500	22 1,432	26 17, 548	17 60D	3	135 10,417	35
			8		1	1	9			1			3	
•••••	•••••	• • • • • • • • • • • •	164,788		10,500	6	24,251		•••••	40	•••••	• • • • • • • • •	449	26
•••••	1 20	•••••	2 40			1 20	16 1,351		· · · · · · · · · · · · · ·		1 200		1 40	1
3 2,831	23 313	1 16	42 182,476	12 593	4	16 4,806	51 30,811	2 80	1 15	9 16,717	3 255		17 728	30
			2 2		10,000		3							
••••••		•••••	53		1		65							· ·
••••••		•••••	2	3		1 18					2 40			
	1	· · · · · · · · · · · · · · ·	73 5	53		18	1				40		3	
	20		5, 213				30				3		420	3
·····							· · · · · · · · · · · · · · · ·	•••••					•••••	
•••••		•••••								•••••				
									•••••					
5	2		9	2		6	3		1	3			6	
412	111		162, 408	1		270			125	2,590			391	
412	1		68,856	,		230	1,686		60	175			115	
(•)		(*)	21,281	72		(*)	3,656	(•)			(*)	(*)	(*)	(*)
	6		10	2		3	5		1	4			9	[
••••••	284		151,194			78	22,410	·····	85	-	• • • • • • • • • • •		922	1
	97 1		6,647	18		39	1,008		3	1, 120			233	Í

## 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	Adams	Antelope	Banner	Boone	Box Butte	Brown	Buffalo
	ALL ENTERPRISES								
1 2 3	Irrigation works: Diversion damsdams 1950 1940 1940	342 488 351			6	15	7775		3
4 5 6 7	Diversion dams by material: Concrete or masonrydams 1950 Timberdams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	92 21 351 24		·····	8	18	,	,	3
8 9 10 11 12 13	Reservoirs	87 114 164 96 133,934 2,306,159	3 		2 3 2 3 145 (*)	· · · · · · · · · · · · · · · · · · ·	2 2 2 1,720 (*)		2 2 31 2 33
14 15 16	Reservoirs by capacity: 1-99 acre-feet	70 16 10 3			3		1		2
18 19	Earth and rock	96 15			3		2		1
20 21 22 23 24 25	Canals and ditchestotal length, miles 1950 total length, miles 1950 1940 Pipelines and siphons <sup>2</sup> enterprises reporting 1950. total length, miles 1950 1940	519 4,613 3,331 109 88 126	1 24 1 ( <sup>1</sup> )	2 1 1 1	5 8 2 1	3 1 ( <sup>1</sup> ) 8	25 71 13	( <sup>1</sup> ) 1 1 	41 70 31 2 ( <sup>1</sup> )
26 27 28 29 30	Tunnelsenterprises reporting 1950 total length, feet 1950 Flowing wellswenterprises reporting 1950. wells 1950 1940	1 6,600 61 89 19	 8 9	1 2		2 2			9 13
31 32 33 34 35 36	Pumped wells	4,910 7,157 2,412 6,790 46 34	81 96 13 95 120 60	12 15 2 14 70 (*)	10 12 2 12 35 (*)	68 76 6 71 56 56	65 85 19 82 108 78	20 29 12 28 48 39	497 998 587 959 35 27
37 38 39 40 41	Irrigation pumpspumps 1950 pumps 1950 pumping plants 1940 Electric motors used for pumpingenterprises reporting 1950. electric motors 1950	5,322 7,734 2,664 1,254 1,791	81 95 16 5 11	13 16 9 1 1	11 14 2 2 2 2	87 106 24 23 24	65 89 19 35 41	21 29 17	508 1,002 537 289 496
42 43	Other motors and engines used for pumpingotherprises reporting 1950 other motors and engines 1950	4,412 5,721	76 85	10 13	9 10	70 83	34 50	20 27	352 495
44 45 46 47 48 49	Season of irrigation, 1949: Water delivered only before July 1enterprises reporting. Water delivered before and after July 1enterprises reporting. acres irrigated. Water delivered only after July 1enterprises reporting. acres irrigated	34 5,108 999 605,953 4,190 292,501	 11 914 66 4,525	1 1 12 445	15 1,668	5 392 81 6,002	52 11,952 17 2,085	10 1,067 10 591	31 8,787 465 42,224
50 51 52 53	Capital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	39,056,207 4,109 17,407,674 506,769	24, 475 76 400, 141 5 176	3, 185 11 31, 600	10,700 7 18,318	17,427 82 225,389	51,250 58 658,433	13, 331 20 75, 674	644,778 349 805,120 38,290
53 54	Total capital investment Jan. 1, 1950dollars 1949	56,463,881	5,176 424,616	405 34,785	781 29,018	6,064 242,816	9,756 709,683	1,717 89,005	
55 56 57 58	Indebtedness: <sup>3</sup> Outstanding honds, construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reporting	31 18,911,386 21,777,368 414,043		·····					1 70, 500 53, 581 2, 590
59 60 61	bonds, construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reporting	7 457,418 132,849							,

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

#### BY COUNTIES: CENSUSES OF 1950 AND 1940

of the second se

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

Butler	Cedar	Chase	Cherry	Cheyenne	Clay	Colfax	Cuming	Custer	Dawes	Dawson	Deuel	Dodge	Douglas
1	(*)	1 1 12	2 3 30	9 10 34	1 1	33		2 4 4	25 31 39	33 84 4	7		· · · · · · · · · · · · · · · · · · ·
		1	 1 2	3 2 4 1	1	3	· · · · · · · · · · · · · · · ·	 3 1	9 20 2	2 1 79 2	1 3 3		
	(*) 1 30	4 4 1 3 1,064	3	4 4 4 4 46	1 1 1 16	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	1 1 1 46	4 6 9 6 43,780	1 1 45	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	1
	(*) 1	(*) 1 2	41	87 4	1			1	14, 570 1 3 2	517	·····		(*)
• • • • • • • • • •	1 i	2 2		2 2	1			· 1	6	1 	·····		
( <sup>1</sup> )	(*) 2 (*) (*)	4 6 42 1 1	1 1 15 3 1	6 8 21 1	······································	4 2 1 1 1 ( <sup>1</sup> )	1	14 18 70 3 ( <sup>1</sup> ) 3	16 95 89 2 8 19	21 523 302 ( <sup>1</sup> ) 34	7 21 13 1	2 1 2	( <sup>1</sup> ) 2 ( <sup>1</sup> )
	(•)	1 5			10 10			1 1 1	· · · · · · · · · · · · · · · · · · ·	2 2	1 2	34	· · · · · · · · · · · · · · · · · · ·
22 28 15 27 40 38	3 (*) 4 33 (*)	18 18 3 17 55	4 4 3 37	64 112 40 109 55 63	98 104 1 100 106 (*)	56 62 12 60 43 32	2 2 2 2 28 (*)	97 107 10 100 67 51	1 3 1 22 21	691 965 483 918 49 36	50 79 56 79 32 21	28 39 26 30 28 19	. 7 11 10 5 25 42
22 28 15	(*) (*) 3 3	56 18 18 4 4 4 4	4 4 1 	62 114 47 27 38	100 114 5 3 3	66 73 33 4 5	4 4 12 1 1	125 148 36 14 23	776	710 1,000 478 246 327	50 79 56 31 41	29 40 31 5	7 11 10 4 4
21 28	3 3	14 14	4	45 74	95 108	62 67	3 3	112 131	777	518 630	26 34	27 33	4 7
21 1, 259		1 160 14 1,083 5 306	1 600 4 688 1 60	2 120 58 6,348 8 945	15 1,985 78 6,493	66 2,869	4 237	18 4,645 101 4,643	4 257 23 8,047 4 92	72 54,647 600 41,472	1 80 37 5,643 15 1,267	27 1,023	
12,946	(*)	97,350	12,400	72,217	6, 430	18,963	3,957	376,042	553,140	3,392,313	76,174	8,194	5,600
13 38,705 931	5 14,731 297	18 85,445 1,273	3 18,700 162	62 203,058 6,762	90 391,199 8,069 397,629	46 47,870 2,138 66,833	2,700 100 6,657	103 436,884 8,784 812,926	12 2,400,181 6,604 2,953,321	474 1,346,838 63,722 4,739,151	30 68,649 2,675 144,823		2,100 23 7,700
51,651	(*) 	182,795	31,100	275,275				1 34,000 354,506	1 62,000 151,000	3 529,769 1,274,077	•••••		
•••••						••••••••••••••••••••••••••••••••••••••		3,500	5,485	27,400	•••••		
•••••					•••••					•••••			

#### 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)	Dundy	Fillmore	Franklin	Frontier	Furnas	Gage	Garden	Garfield
ſ	ALL ENTERPRISES								
	Irrigation works:								
5	Diversion dams 1950., dams 1950.,	1		2				13	
	1940	6		6			1	10	]
	Diversion dams by material: Concrete or masonrydams 1950.			1				7	
	Timber							2	
1	Other, mixed, and not reporteddams 1950		1			1			
	Reservoirs	2		3		2			
	reservoirs 1950	2		3		2			
				2		. 2		1	• • • • • • • • • • • • • • • • • • •
	total capacity, acre-feet 1950 1940	(*)		(*) 200		210	(*)		•••••
	Reservoirs by capacity:			( )				(*)	
	1-99 acre-feet	••••							
	1,000 acre-feet and over			,					
	Reservoir dams by material: Concrete or masonrydams 1950								
	Earth and rock	1		2		2			
[	Other, mixed, and not reporteddams 1950	1		1					
	Canals and ditchesenterprises reporting 1950 total length, miles 1950	4 12	( <sup>1</sup> ) <sup>1</sup>	15 11		5		12 82	
	1940	28		5			2	71	
	Pipelines and siphons <sup>2</sup> enterprises reporting 1950 total length, miles 1950	· · · · · · · · · · · · · · ·	2	4		2		1	
	1940	(1)		{ <sup>1</sup> }	(1)		2	(1)	
	Tunnels								
	total length, feet 1950 Flowing wells	·····			•••••				
	wells 1950	4 6	1			2			
	1940	•••••	•••••	•••••			• • • • • • • • • • • • •		
	Pumped wells	19	48	31	3	39	1	19	
	wells 1950 1940	22 4	51 3	39 16	3	43 14	1	19	
	Wells for which pumping lift was reportedwells 1949	18	44	35	3	42	1	19	
	Average pumping liftfeet 1949 1939	47 65	89 125	65 49	132	50 42	(*) 35	36 26	(*)
	Irrigation pumps 1950	21	48						
	pumps 1950	21	40 59	37 48	3	48 55	3 3	19 19	
	pumping plants 1940 Electric motors used for pumpingenterprises reporting 1950	5 1	3	15	5	25 3	11	8	
	electric motors 1950	ī	î	Î		5	· · · · · · · · · · · · · · · · · · ·		
	Other motors and engines used for								
	pumping	19 21	47 57	35 14	2 3	45 49	3 3	19	
	other motors and engines 1950	21		1.1	3	49	3	20	
S	eason of irrigation, 1949: Water delivered only before July 1enterprises reporting.								
	acres irrigated.								
	Water delivered before and after July 1enterprises reporting acres irrigated	15 3,562	7 421	8 348	1 65	12 694	1 104	19 10,447	3,8
	Water delivered only after July 1enterprises reporting	10 439	35	30	2	36	2	13	
	acres irrigated	439	2,405	1,780	290	1,834	100	533	6
C	apital investment: Capital investment in irrigation works and water								
	rights to Jan. 1, 1940	79,775	5,000	22, 313	1,167	20,123	21,170	135,159	263,3
	New capital investment Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	19	41	22	3	40	3	13	
	Enterprises reporting	52,138	149,161	67,190	21,493	85,560	6,050	19,228	99,7
	Area irrigated directacres 1949	946	2,742	1,524	355	2,272	204	2,837	4,4
	Total capital investment Jan. 1, 1950	131,913	154, 161	89, 503	22,660	105, 683	27,220	154, 387	363, 1
h	ndebtedness: <sup>3</sup>								
	Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:								
	Enterprises reporting 1950	1				· • • • • • • • • • • • • • • • • • • •		2	
	Amount	3,300 10,420			•••••	•••••		3,088 25,101	221,0 155,3
	· · · · · · · · · · · · · · · · · · ·				1				
	Area irrigated direct 1949 Arrearage in payment of principal or interest on	1,624		•••••	•••••	•••••	••••	1,730	3,8
	bonds, construction cost, and other funded		1 1						
	obligations, Jan. 1, 1950: Enterprises reporting				•••••				
	obligations, Jan. 1, 1950;						· · · · · · · · · · · · · · ·		62,2 3,8

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

#### BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

Gosper	Greeley	Hall	Hamilton	Harlan	Hayes	Hitchcock	Howard	Kearney	Keith	Kimball	Lancaster	Lincoln	Loup	
1	33		8 17	1 1 1	1 1 1	3 3 2	3 4 1	1	9 13 12	21 28 16	1 1 (*)	11 13 9	2 2 2	1 2 3
	1 2		2 15	1	1 	2 1	4	1	5 2 4 2	12 16		7 1 4	1	4567
1 1	·····	·····	4					1	 	2 2 2	1 (*)	2 2 5		8 9 10
1 5			2 (*)						2,000,008	5,874 (*)	1 90 (*)	2 54 197,008	•••••	11 12 13
1			2					· · · · · · · · · · · · · · · · · · ·	·····	1	1 	2	•••••	14 15 16
1			3 1		· · · · · · · · · · · · · · · · · · ·			1	·····	2 10	1 	1 1 18		17 18 19
2 29 51 1 2	( <sup>1</sup> ) 9 5 ( <sup>1</sup> )	1 ( <sup>1</sup> )	11 8 8 12	8 6 3 1	3 12 8 	18 90 42 5 5	7 16 3 8 3		11 72 91 1 1	10 61 43	(*) (*)	18 297 199 3 2 1	42 35 2 2 1	20 21 22 23 24 25
1		1	1			2			I					26 27 28 29 30
16 27 14	48 54	705 1,217 312	213 240 8	28 36 11	9 12 3	27 34 12	39 41 5	122 178 50	100 161 85	46 79 35	(*) 2 (*)	194 248 174 223	12 12 1 12	31 32 33
25 39 43	53 53	1, 173 31 33	218 90 77	36 44 36	12 80 50	12 27 40 56	34 60 41	173 47 33 121	161 52 38 104	79 75 64 46	(•) 32	34 28	(*) 18	
23 35 16 14 23	55 63 3 5 6	706 1,219 301 179 241	216 256 10 6 6	44 60 21 4 5	10 13 12 1 2	28 37 14 14 14	44 46 19 8 8	121 181 43 39 53	169 87 36 56	80 34 38 65	4 (*)	236 307 160 25 33	19 3	
11 12	48 52	618 975	210 247	42 48	10 11	16 23	37 39	104 127	79 113	14 15	3 4	210 243	18 19	42 43
5 5,360 18 1,565	3 887 49 2,980	37 3, 452 656 52, 817	15 1, 290 196 18, 500	2 80 41 2,461	1,016 6 469	20 10,455 9 475	4 151 37 1,648	11 21,044 111 8,649	84 22,700 27 2,094	1 300 41 8,265 11 853	3 84	55 38,414 134 6,192	6 2,941 13 452	44 45 46 47 48 49
19,077	60,558	273,884	59,550	23,295	12, 443	191,615	12,745	3,713,510	191,655	281,973	(*)	580,027	<b>j</b>	1
18 286,242 6,455 305,319	52 159,046 2,950 219,604	595 1,176,928 50,323 1,450,812	205 1,091,228 19,019 1,150,778	33 109,369 1,964 132,664	8 43,600 673 56,043	19 75,839 1,945 267,454	35 72,664 1,473 85,409	57 338,515 25,230 4,052,025	84 961,979 12,599 1,153,634	17 68,150 2,293 350,123	1 2, 500 60 (*)	139 1,033,795 12,405 1,613,822	57,940	1
1	l							1	1	1		3	2	55
188, 120 5, 000	36,843 35,150 697							752,478 2,513,251 20,000	1,381,000 1,520	62,500 82,000 2,245	(*)	1,388,508 29,098 17,843	2 150,370 136,864 2,705	1
•••••	1 10,383 697							·····					2 44,530 2,705	59 60 61

## IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Madison	Merrick	Morrill	Nance	Nuckolls	Perkins	Fhelps	Platte	Pol
ALL ENTERPRISES									+
rrigation works;									
Diversion dams 1950			23	2	1		2	1	
dams 1950			28	4	1		2		
1940	•• • •••••	•••••	32					1	
Diversion dams by material: Concrete or masonrydams 1950		1	16	1				1	1.
Timber			5	1					
Earth and rockdams 1950			6	3	i		2	i	
Other, mixed, and not reporteddams 1950			1						
	1	1	1	1			1 .	ł	1
Reservoirs		•••••	1		2		2		
re≤ervoirs 1950 1940			2		2	• • • • • • • • • •	2	• • • • • • • • • • •	
Reservoirs for which capacity was reported,reservoirs 1950		^	1 3		1 1	•••••			
total capacity, acre-feet 1950			24		30		27		1
1940		(•)	238		264				1
Reservoirs by capacity:					1				1
1-99 acre-feet			2		1		2		
100-999 acre-feet 1950								]	1
1,000 acre-feet and over									
Reservoir dams by material:		1			ļ		}		1
Concrete or masonry			2			••••		1	1
Earth and rockdams 1950 Other, mixed, and not reporteddams 1950			2				2		1
Ornet, mixed, wad not reborced	. [	1	1	1	( 1		{ • • • • • • • • • • • •		Į –
Canals and ditches	. 1	79	25	0	10	1	, I	Ω	1
total length, miles 1950	:  i	93	516	28	6	(1)	382	11	1
1940			454		l		152		[
Pipelines and siphons <sup>2</sup> 1950	• 2	8	2	1	1	1			1
total length, miles 1950			1	1	1	1			1 (
1940	·   2		2	<sup>1</sup>	•••••	••••		•••••	1 (
Tunnels	. 1 .		1	1			1		
total length, feet 1950						• • • • • • • • • •			1
Flowing wells Flowing wells				1			•••••	1	
wells 1950				2			3	î	
1940									1
	1			1					1
Pumped wells	- 4	555	21	12	35	3	81	81	1
wells 1950 1940		924	25	17	38	3	96	90	1
1940 Wells for which pumping lift was reportedwells 1949		77 892	13 24		2 30	3	61 96	15 62	
Average pumping lift	56		33	37	86	52	90 43	27	
1939	. 37		44		(*)	72	30	36	1
	-								
Irrigation pumps 1950	7	555	24	26	41	3	143	89	
pumps 1950 pumping plants 1940			33 16	35	48 7	3	167	96 19	{
Electric motors used for pumpingenterprises reporting 1950		47		3	7	3	54 28	15	
electric motors 1950		90	i i	3	ģ	î	28	18	
		1		_	-	-			
	1	1							
Other motors and engines used for	ł		Į						
pumpingenterprises reporting 1950			24	24	34	2	116	72	
			24 30	24 30	34 38	2	116 131	72 77	
pumpingenterprises reporting 1950 other motors and engines 1950						2			
pumpingenterprises reporting 1950 other motors and engines 1950 Deason of irrigation, 1949:	• 8					2 2			
pumpingenterprises reporting 1950 other motors and engines 1950	. 8		30			2 2			
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting Water delivered before and after July 1enterprises reporting	· 8	769	30 45	30	38	2			
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated	• 8 • • • • • • • • • • • • • • • • • •	769  11 588	30 45 63,792	30 2 80	38 1 35	2	131  38 47,093	77 2 36	
pumpingenterprises reporting 1950 other motors and engines 1950 wason of irrigation, 1949: Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres prigated Water delivered only after July 1enterprises reporting	· 8	769  11 588 522	30 45 63,792 3	30 2 80 23	38 1 35 38	2 2 120 1	131  38 47,093 102	77 2 36 61	l
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated	· 8	769  11 588 522	30 45 63,792	30 2 80	38 1 35	2 2 2 120	131  38 47,093	77 2 36	l
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1	· 8	769  11 588 522	30 45 63,792 3	30 2 80 23	38 1 35 38	2 2 120 1	131  38 47,093 102	77 2 36 61	l
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting reres irrigated Water delivered only after July 1enterprises reporting acres irrigated acres irrigated acres irrigated	· 8	769  11 588 522	30 45 63,792 3	30 2 80 23	38 1 35 38	2 2 120 1	131  38 47,093 102	77 2 36 61	l
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1	• 8 • • • • • • • • • • • • • • • • • •	769 11 588 522 30,947	30 45 63,792 3	30 2 80 23	38 1 35 38	2 2 120 1 15	131  38 47,093 102 4,832	77 2 36 61	4
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940,dollars 1940 New capital investment Jan. 1, 1940, to Jan. 1, 1950;	- 8 	769 11 588 522 30,947 56,298	30 45 63,792 3 42 4,096,708	30 22 80 23 1, 295 6, 290	38 1 3c 38 2, 486 4, 130	2 2 120 1 15	131 	77 2 36 61 2,733 11,560	4
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	11 588 522 30,947 56,298	30 	30 2 80 23 1,295 6,290 22	38 1 35 38 2, 486 4, 130 37	2 2 120 1 15 10,200 2	131 	77 2 36 61 2,733 11,560 48	8
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769  11 588 522 30,947 56,298 56,298 807,903	30 	30 2 80 23 1, 295 6, 290 22 59, 070	38 1 35 38 2, 486 4, 130 37 139, 082	2 2 120 1 15 10,200 2 3,600	131 	77 2 36 61 2,733 11,560 48 75,747	E 195
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769  11 588 522 30,947 56,298 56,298 807,903	30 	30 2 80 23 1,295 6,290 22	38 1 35 38 2, 486 4, 130 37	2 2 120 1 15 10,200 2	131 	77 2 36 61 2,733 11,560 48	4 8 195
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769  11 588 522 30,947 56,298 495 807,903 29,222	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623	30 2 80 23 1,295 6,290 22 59,070 1,215	38  38 2, 486 4, 130 37 139, 082 2, 468	2 2 120 1 1 15 10,200 2 3,600 120	131 	77 2 36 61 2,733 11,560 48 75,747 2,018	4 8 195 4
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769  11 588 522 30,947 56,298 495 807,903 29,222	30 	30 2 80 23 1, 295 6, 290 22 59, 070	38 1 35 38 2, 486 4, 130 37 139, 082	2 2 120 1 1 15 10,200 2 3,600 120	131 	77 2 36 61 2,733 11,560 48 75,747	4 8 195 4
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769  11 588 522 30,947 56,298 495 807,903 29,222	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623	30 2 80 23 1,295 6,290 22 59,070 1,215	38  38 2, 486 4, 130 37 139, 082 2, 468	2 2 120 1 1 15 10,200 2 3,600 120	131 	77 2 36 61 2,733 11,560 48 75,747 2,018	4 8 195 4
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated Water delivered only after July 1	- 8 	769  11 588 522 30,947 56,298 495 807,903 29,222	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623	30 2 80 23 1,295 6,290 22 59,070 1,215	38  38 2, 486 4, 130 37 139, 082 2, 468	2 2 120 1 1 15 10,200 2 3,600 120	131 	77 2 36 61 2,733 11,560 48 75,747 2,018	195 4
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769 11 588 522 30,947 56,298 495 807,903 29,222 864,201	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623 4, 124, 418	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38  38 2, 486 4, 130 37 139, 082 2, 468	2 2 120 1 1 15 10,200 2 3,600 120	131 	77 2 36 61 2,733 11,560 48 75,747 2,018	195 4
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	- 8 	769 11 588 522 30,947 56,298 495 807,903 29,222 864,201	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623 4, 124, 418 11	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38 1 36 2,486 4,130 37 139,082 2,468 143,212	2 2 120 10,200 23,600 120 13,800	131 	77 26 61 2,733 11,560 48 75,747 2,018 87,307	4 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting reres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769 11 588 522 30,947 56,298 495 807,903 29,222 864,201	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623 4, 124, 418 11 2, 038, 390	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38 1 38 2,486 4,130 37 139,082 2,468 143,212 	2 2 120 1 10,200 3,600 120 13,800 	131 	77 2 36 61 2,733 11,560 48 75,747 2,018 87,307	4 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	- 8 	769 11 588 522 30,947 56,298 495 807,903 29,222 864,201	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623 4, 124, 418 11	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38 1 36 2,486 4,130 37 139,082 2,468 143,212	2 2 120 10,200 23,600 120 13,800	131 	77 26 61 2,733 11,560 48 75,747 2,018 87,307	4 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	- 8 	769 11 588 30,947 56,298 807,903 29,222 864,201 	30 45 63,792 3 42 4,096,708 12 27,710 623 4,124,418 11 2,038,390 2,144,855	30 2 80 23 1,295 6,290 2,22 59,070 1,215 65,360	38 1 38 2,486 4,130 37 139,082 2,468 143,212 	2 2 120 1 10,200 3,600 120 13,800	131 	77 22 36 61 2,733 11,560 49 75,747 2,018 87,307	4 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated apital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769 11 588 30,947 56,298 807,903 29,222 864,201 	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623 4, 124, 418 11 2, 038, 390	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38 1 38 2,486 4,130 37 139,082 2,468 143,212 	2 2 120 1 10,200 3,600 120 13,800 	131 	77 2 36 61 2,733 11,560 48 75,747 2,018 87,307	4 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	- 8 	769 11 588 30,947 56,298 807,903 29,222 864,201 	30 45 63,792 3 42 4,096,708 12 27,710 623 4,124,418 11 2,038,390 2,144,855	30 2 80 23 1,295 6,290 2,22 59,070 1,215 65,360	38 1 38 2,486 4,130 4,130 139,082 2,468 143,212 	2 2 120 1 10,200 3,600 120 13,800	131 	77 22 36 61 2,733 11,560 49 75,747 2,018 87,307	٤ 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 Water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	- 8 	769 11 588 30,947 56,298 807,903 29,222 864,201 	30 45 63,792 3 42 4,096,708 12 27,710 623 4,124,418 11 2,038,390 2,144,855	30 2 80 23 1,295 6,290 2,22 59,070 1,215 65,360	38 1 38 2,486 4,130 4,130 139,082 2,468 143,212 	2 2 120 1 10,200 3,600 120 13,800	131 	77 22 36 61 2,733 11,560 49 75,747 2,018 87,307	4 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated water delivered before and after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	- 8 	769 11 588 522 30,947 56,298 495 807,903 29,222 864,201 	30 45 63, 792 3 42 4, 096, 708 27, 710 623 4, 124, 418 11 2, 038, 390 2, 144, 855 59, 237 3	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38 1 38 2,486 4,130 4,130 139,082 2,468 143,212 	2 2 120 1 10,200 3,600 120 13,800	131 	77 22 36 61 2,733 11,560 49 75,747 2,018 87,307	4 8 195 4 203
pumpingenterprises reporting 1950 other motors and engines 1950 water delivered only before July 1enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting acres irrigated Water delivered only after July 1enterprises reporting acres irrigated water delivered only after July 1enterprises reporting acres irrigated spital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940dollars 1940 New capital investment Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	8	769 11 588 522 30,947 56,298 495 807,903 29,222 864,201	30 45 63, 792 3 42 4, 096, 708 12 27, 710 623 4, 124, 418 2, 038, 390 2, 144, 855 59, 237 30, 931	30 2 80 23 1,295 6,290 22 59,070 1,215 65,360	38 1 36 2,486 4,130 37 139,082 2,468 143,212 	2 2 120 10,200 2,600 120 13,800	131 	77 26 61 2,733 11,560 48 75,747 2,018 87,307	4 8 195 4 203

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

#### BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

ad Willow	Saline	Sarpy	Scotts Bluff	Seward	Sheridan	Sherman	Sioux	Stanton	Thayer	Valley	Webster	Wheeler	York	All other counties
3 3 1	1 I 4	······ ······	24 26 17	· · · · · · · · · · · · · · · · · · ·	1 2	4 4	37 70 51	·····	1 2	1 1 2	2 2 1	(*)	49 50 1	, 2 3 (*)
2 1	1		12 2 11 1		2	4	6 2 60 2		2	1	2	· · · · · · · · · · · · ·	50	2 1
· · · · · · · · · · · · · · · · · · ·	1 1 1	(*)	3 5 8 5		1	1 1	27 43 24 39			1 1 1		(•)	2 3 3	4 6 (*) 3 43
	50 1	(*)	75,678 75,171 2		(*)		4,397 1,172 29 7			10	(*) <sup>126</sup>	(*)	42 3	(*) 3
	1		3	·····			3 1 38 4		•••••		1			
5 20 16	3 2 1	(*)	31 1,349 898 7	5	2 53 1 2	4 4 64	17 243 317	3 2 1	9 8 6	4 110 80 1	1 1 1	·····(*)	6 4 1	3 3 (*) 2
·;(1)	( <sup>1</sup> ) ( <sup>1</sup> )	(*) (*)	4 15 1	( <sup>I</sup> )	( <sup>1</sup> ) 1	3	1		28 3	î 6	( <sup>1</sup> ) 1	····(*)		(*) 
· · · · · · · · · · · · · · · · · · ·			6,600 2 3	3 6 19		1 1			•••••		23	·····		(*)
36 43 49 38 52 34	20 20 20 100	(*) 4 22 (*)	116 161 64 159 30 28	11 12 12 94 11	6 7 6 100 49	26 34 30 74	12 14 7 14 84 57	7 8 4 6 73 50	21 21  19 10 i	19 20 7 20 63 78	14 15 8 15 52 45	2 (*) 2 (*) 48 (*)	125 134 8 129 99 49	7 (*) 40 (*)
36 43 56 6 6	44 45 13 1 1	3 (*) 2 4	132 168 102 45 52	23 31 13 3	10 12 11 1 1	32 37 4	19 22 10 3 3	9 10 8	21 21 5 1 1	25 28 12 1 2	18 19 11	3 3 (*)	137 159 16 8 8	(•) 11 12
30 36	43 44	1 1	91 114	23 28	9 10	33 37	13 15	9 10	21 21	19 20	18 19	3 3	130 148	10 12
8 3,033 24 1,444	2 40 28 1,225	1 16 2 171	92 184,778 34 1,354	3 126 20 1,248	 11 11,246	8 4,593 28 1,011	22 3,570 34 27,386 10 651	1 150 8 350	5 304 15 853	2 16,500 24 1,040	4 152 13 648	 	15 1,404 121 9,327	2 21 5 499 6 104
149,373	4,033	(*)	12,660,249	6,275 20	10,180	577, 218 28	2, 692, 600	9,295	4, 690 22	1,254,254	8,772	(*)	16,484 123	(*)
17 129,546 3,713 278,919	35 97,840 1,157 101,873	2 1,084 171 (*)	73 165, 951 37, 784 12, 826, 200	65,059 1,330 71,334	865,266 11,060 875,446	126,811 5,392 704,029	72,060 4,974 2,764,660	400 15 9,695	104,835 1,432 109,525	159,816 17,137 1,414,070	35,868 475 44,640	10,023 105 (*)	525,380 10,124 541,864	1
1 101,376			7,210,876		1 846, 300	1 42,000	1,222,143			2 846,818 853 377		(•)		
2,731	••••••	(*)	7,699,900		10, 500	590, 844 4, 283						}		
							1 11,471			1 231,878				

## 10-28

## IRRIGATION OF AGRICULTURAL LANDS

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

12

[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	.t.dams	Antelope	Banner	Boone	Box Putte	licown	luffelo
	ALL ENTERPRISES								
1 2 3 4 5 6	Cost of water to farms, 1949: <sup>1</sup> Total cost of water to farms: Enterprises reporting	5,338 3,012,244 913,702 3.30 3.40 1.79	80 30,335 5,619 5,40 5.40 (3)	12 2,927 445 4.54 4.54 ( <sup>3</sup> )	15 5,564 1,668 3.34 3.34 ( <sup>3</sup> )	88 22,970 6,444 3.56 3.56 ( <sup>3</sup> )	70 61,067 14,277 4.26 4.28 ( <sup>3</sup> )	5.14	524 162,776 52,545 3.10 3.15 (3)
7 8 9 0	Enterprises by cost per acre: Less than \$1.00acres irrigated \$1.00-\$1.99acres irrigated acres irrigated	712 95,840 1,069 134,043	6 440 7 476	1 15 3 05	5 703 1 120	3 302 13 1,146	6 3,600 1 150	2 110	20 2,267 129 13,950
1 2 3 4 5 6	\$2.00-\$4.99enterprises reporting acres irrigated \$5.00-\$9.99acres.reporting acres irrigated \$10.00 and overacres irrigated acres irrigated	2,482 555,773 827 115,424 298 12,707	38 3,047 16 1,009 13 643	4 227 1 60 3 49	6 459 2 87 1 300	50 4,003 14 663 8 330	32 5,692 22 4,034 9 711	0 888 8 664 2 56	289 30,850 67 4,860 14 <i>F</i> 14
7 8 9 0	Cost of water for primary irrigation: Enterprises reporting	5,167 2,943,605 887,239 3,32	80 30, 335 5, 619 5, 40	12 2,026 446 4.54	15 5,564 1,668 3,34	98 22,970 6,444 3.56	70 61,067 14,277 4.28	21 8,832 1,718 5.14	522 158,133 51,156 3.07
1 2 3 4	Cost of water for supplemental irrigation: Enterprises reporting	257 68,639 26,553 2,55			1				3 4,643 1,3 <sup>0</sup> 3 3.33
5 6 7 8	Cost to farms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reporting	14 489,106 312,045 1.57							1 3,125 2,500 1.25
9 0 1	Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup> Enterprises reporting	16 213, 177 250, 044	· · · · · · · · · · · · · · · · · · ·		·····				1 1, 390 2, 500
2	SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprisesenterprises	5,515 405,631	81 5,619	13 446	15 1,668	89 6,444	70 14,277	21 1,718	523 49,387
	Complete-system enterprises	5,149 392,747	80 5,617	12 446	15	88 6,444	70	21 1,718	502 47,135
	Other farms irrigated: Enterprises reportingfarmsfarms	99 115 5, 578				3 3 82	5 9 917	2 2 84	259
9	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting acres irrigated All of water from other enterprisesenterprises reporting. acres irrigated.	5,344 393,247 53 6,127 118 6,257	5, 610			68 6,444		21 1,718	503 47,135 7 945 13 1,307
5678901	Enterprises by primary and supplemental irrigation: All primaryacres irrigated Part primary, part supplementalenterprises reporting Primary irrigationacres irrigated Supplemental irrigationacres irrigated. All supplemental	5,0°C 388,70C 11 665 700 221 15,566	80 5, 619			88 6,444		1,719	570 48,963
2345	Enterprises by number of acres irrigated: <sup>5</sup> Noneenterprises reporting 1-9 acresenterprises reporting 10-29 acresenterprises reporting. 30-59 acresenterprises reporting.	173 189 312 1,581	1	1 1 4 5		 10 28		 1 3 6	1 11 78 84
6 7 8 9	60-99 acres	1,444 1,030 233 24 4	30 14 2	2	S 2 2	31 17 1 1	11 36 12 2	6 3 2	144 165 34

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

#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

MANUAL STAT

R. R. S. L. R. L.

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]

Cedar	Chase	Cherry	Cheyenne	Clay	Colfax	Cuming	Custer	Dawes	Bawson	Ceuel	Do <sup>1</sup> ge	Douglas	T
5 722 297	21 6,970 2,179	6 920 1,348	69 37,351 7,547	96 29,704 8,888	66 6,308 2,869	4 499 237	124 44,990 9.567	30 13,872 8 206	685 318,817	53 13,730	28 2,916	6 360	n
( <sup>3</sup> ) <sup>2,43</sup>	3.20 3,20 ( <sup>3</sup> )	0.68 0.68 ( <sup>3</sup> )	4,95 4,95 ( <sup>3</sup> )	3.34 3.34 ( <sup>3</sup> )	2.20 2.20 ( <sup>3</sup> )	( <sup>3</sup> ) <sup>2.11</sup>	4.74 ( <sup>3</sup> )	1.65 1.69 ( <sup>3</sup> )	3.29 3.50 1.59	( <sup>3</sup> ) <sup>2.42</sup>	2.74 2.74 ( <sup>3</sup> )	3.84 3.84 ( <sup>3</sup> )	4
85 2 52	56 5 971	1,186	1,151 5 568	2,136 16 1,441	626 23 1,317	1 37	874 19 1,112	2,704 1 45	6,685 156 12,530	13 1,727	135 8 335	35 1 30	5
60 1 100	8 641 7 511	2 160 1 2	23 2,240 23 2,884 8 704	40 3,826 16 1,119 7 366	18 576 9 300 3 50	3 200	46 2,050 29 4,888 19 643	5,629 1 3 1 15	357 73,058 59 4,276 20 1,101	17 1,286 11 652 2 105	10 452 4 102 3 42	1 3 1 20	3
5 722 297 2,43	21 6,970 2,179 3.20	6 920 1,348 0,68	69 37,351 7,547 4,95	96 29,704 8,888 3.34	66 6,308 2,869 2,20	4 499 237 2.11	121 44,465 9,492 4.68	29 13,872 8,196 1,69	629 299,502 90,975 3,29	44 11,342 5,670 2.00	28 2,916 1,066 2.74	6 369 96 3.84	5
· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • •			•••••	•••••	· · · · · · · · · · · · · · · · · · ·	3 525 75 7.00	1 0 200 0,00	63 19,315 6,075 3,18	12 2,388 1,323 1,80	· · · · · · · · · · · · · · · · · · ·		.
	· · · · · · · · · · · · · · · · · · ·		•••••	• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		1 3,496 3,500 1,00		2 15,834 15,400 1.03	•••••	* • • • • • • • • • • • • • • • • • • •		
	•••••	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·					5 22,619 39,168	•••••	• • • • • • • • • • • •		
5 297	21 1,549	6 1,348	71 7,292	100 8,888	66 2,869	4 237	126 6,067	29 2, 911	716 48,811	53 4,408	29 1,066	7 96	;
5 297	20 1,549	6 1,348	67 7,290	96 8,888	66 2,869	4 237	122 6,047	24 2,715	663 47,798	51 4,408	28 1,066	6 96	í
	1 1 8	•••••	4 5 182	2 2 135			7 7 225		16 16 484	1 2 120	· · · · · · · · · · · · · · · ·		
5 297	21 1,549	۴ 1,348 	70 7,290  1 2	100 8,888	66 2,869	4 237	125 6,047 1 20	24 2,715 I 33 4 163	702 47,998 6 436 8 377	53 4,408	29 1,066	7 96	5
5 297	20 1,549	6 1,348 	68 7, 292	96 8,888	66 2,869	4 237	120 5,992  3 75	28 2,711  1 200	620 45,329 2 96 56 56 3,336	40 3,250 225 116 7	28 1,066	6 96	1
	1 1	i	3 1 4 17	4 5 19	1 1 17 38	 	3 7 34 41	200 200 2 4 11	33 33 13 87 226	2 2 6 14	1 3 12 8	1 2 3 1	2
1 2 1	7	1 2 1	17 12 27 7	44 22 5	30 7 2 1	1	30 10	4 2	193 138 21	11 14 4	4		
	5 722 297 2.43 2.43 (3) 1 85 5 252 1 60 10 10 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$

## 10-30

## 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.

	[Intercounty enterprises are included in each county in which Item (For definitions and explanations, see text)	Dundy	Fillmore	Franklin	Frontier	Furnas	Gage	Garden	Carfield
	ALL ENTERPRISES Cost of water to farms, 1948: <sup>1</sup> Total cost of water to farms:								
1 2 3 4 5 6	Enterprises reporting	25 16,593 4,001 4.15 4.15 ( <sup>3</sup> )	48 6, 835 3, 095 2, 21 2, 21 ( <sup>3</sup> )	39 6,646 2,168 3.07 3.17 ( <sup>3</sup> )	3 1, 167 355 3, 29 3, 29 ( <sup>3</sup> )	49 9,581 2,577 3.72 4.02 ( <sup>3</sup> )	3 450 204 2,21 2,21 ( <sup>3</sup> )	31 12,915 10,980 1.18 1.25 0.60	15 19,007 4,480 4,24 4,42 ( <sup>3</sup> )
7 8 9 10	Enterprises by cost per acre: Less then \$1.00acres irrigated. \$1.00-\$1.99acres irrigated. acres irrigated.		9 570 15 986	7 326 7 329		7 291 7 688	 2 184	7 2,881 13 6,746	3 106 3 202
11 12 13 14 15 16	\$2.00-\$4,99enterprises reporting. acres irrigated. \$5.00-\$9.99 \$10.00 and over	8 329 10 2,081 1 110	21 1,379 2 110 1 50	20 1,275 2 70 3 168	2 275 1 80	.21 1,082 12 416 2 100	····· 1 20 ·····	9 1,323 1 20 1 10	6 4:047 3 125
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	25 16, 593 4,001 4.15	48 6,835 3,095 2,21	38 6,446 2,098 3.07	3 1,167 355 3,29	49 9,212 2,384 3.86	3 450 204 2.21	21 11,861 10,355 1,15	14 18,330 4,302 4,26
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting		• • • • • • • • • • • • • • • • • • •	1 200 70 2.86		1 369 193 1.91		17 1,054 625 1.69	2 679 178 3.81
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reporting								· · · · · · · · · · · · · · · · · · ·
29 30 31	Arrearage in payments by farms, Jan. 1, 1950:4 Enterprises reporting								1 3,596 3,890
32 33	SINGLE-FARM ENTERPRISES, 1950	24 2,377	48	39	3 355	49	3 20 4	22 376	16 680
	Area irrigatedarces. Complete-system enterprises <sup>5</sup> arces. Area irrigatedacres.	2,377	3,095 48 3,095	2,168 39 2,168	335	2,577 49 2,577	3 204	19 832	14 680
36 37 38	Other farms irrigated: Enterprises reportingfarms Number of other farmsfarmsares irrigated in other farms		3 4 157			3 3 180			
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting All of water from other enterprisesenterprises reporting acres irrigated	23 2,347 L .30	48 3,095	39 2,168	3 355 	49 2,577	3 204	19 832 25 1 19	16 680
45 46 47 48 49 50 51	Enterprises by primary and supplemental irrigation: All primaryacres irrigated Part primary, part supplementalenterprises reporting. Primary irrigationscres irrigated. Supplemental irrigationenterprises reporting. All supplemental		48 3,095	38 2,098  1 70	3 355 	48 2, 104 1 200 193	3 204 	10 409 2 38 62 10 367	13 640 1 1
52 53 54 55	Enterprises by number of acres irrigated: <sup>5</sup> Noneenterprises reporting 1-9 acresenterprises reporting 10-29 acresenterprises reporting. 30-59 acresenterprises reporting.	 б 10	2 4 10	4 10 7		2 17 15	······i	1 10 6	2 
56 57 58 59 60	60-99 acresenterprises reporting. 100-199 acresenterprises reporting. 200-499 acresenterprises reporting. 500-999 acres	4 2 1 1	26 6	14 3 1	2 i	13 1 1 	1 1 	4	4 1

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

#### 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]

Gosper	Greeley	Hall	Hamilton	Harlan	Hayes	Hitchcock	Howard	Kearney	Keith	Kimball	Lancaster	Lincoln	Loup	
24 20,188 6,929 2.91 2.91 ( <sup>3</sup> )	52 15,050 3,867 3.89 4.05 ( <sup>3</sup> )	704 193,957 56,890 3,41 3,41 (3)	220 73,373 20,490 3.58 3.58 ( <sup>3</sup> )	45 7,056 2,646 2.67 2.67 ( <sup>3</sup> )	10 3,355 1,485 2.26 2.26 ( <sup>3</sup> )	31 23,428 11,100 2.11 2.13 ( <sup>3</sup> )	42 9,892 1,824 5.42 5.42 ( <sup>3</sup> )	123 88,060 29,718 2.96 2.96 ( <sup>3</sup> )	110 49,493 24,794 2.00 2.62 0.94	53 32, 520 9, 418 3. 45 3. 83 ( <sup>3</sup> )	3 595 84 7.08 7.08 ( <sup>3</sup> )	197 84,375 47,388 1.78 1.87 1.10	19 14, 478 3, 393 4, 27 4, 27 ( <sup>3</sup> )	12224
2 175 6 370	3 146 10 779	33 2,828 107 8,751	22 2,402 43 4,309	4 375 8 475	6. 568	6 490 5 8,836	2 115	12 1,272 29 2,142	21 11,956 21 5,446	8 1,580 5 786	·····	39 10,059 37 25,051	2 150 2 173	10
14 6,305 2 79	21 2, 139 11 545 7 258	426 37,325 110 7,065 28 921	97 9,525 44 3,307 14 947	27 1,587 5 164 1 45	3 884 1 33	12 1,457 4 235 4 82	19 1,019 16 579 5 111	62 25,353 17 884 3 67	42 5,320 16 1,271 10 801	18 4, 521 18 2, 266 4 265	1 20 2 64	71 10,171 38 1,950 12 157	7 2,838 5 187 3 45	14
24 20, 188 6, 929 2, 91	49 14,859 3,717 4,00	703 193,657 56,850 3.41	220 73,373 20,490 3.58	45 7,056 2,646 2,67	10 3,355 1,485 2,26	31 23,258 11,005 2.11	42 9,892 1,824 5.42	123 88,060 29,718 2.96	86 35,157 18,891 1.86	46 29,133 8,495 3,43	3 595 84 7.08	158 80,609 45,213 1.78	19 14,478 3,393 4.27	17 18 19 20
	3 191 150 1,27	1 300 40 7.50	· · · · · · · · · · · · · · · · · · ·		·····	1 170 95 1.79	· · · · · · · · · · · · · · · · · · ·	••••••	25 14,336 5,903 2.43	8 3,387 923 3,67	· · · · · · · · · · · · · · · · · · ·	39 3,766 2,175 1.73		21 22 23 24
1 5,841 5,000 1,17								1 23,363 20,000 1,17	·····	· · · · · · · · · · · · · · · · · · ·		•••••	· · · · · · · · · · · · · · · · · · ·	2: 2: 2: 2:
1 4,854 5,000	1 600 897		· · · · · · · · · · · · · · · · · · ·					19,415 20,000	·····	1 29 2,245	·····	2 5,099 6,812	2 3,897 2,705	2: 3( 3
23 1,929	55 3, 170	706 56,890	221 20,490	45 2,646	10 1,485	29 2,177	45 1,824	124 9,718	107 13,776	52 7,173	3 84	236 12,195	18 688	3:
17 . 1,645	50 3,110	704 56, 890	219 20,435	45 2,646	10 1, <b>4</b> 85	29 2,177	42 1,624	118 9,374	106 13,776	31 4,613	3 84	178 11,360	17 688	3 3
		4 4 145	12 12 430		1 3 220			3 3 132	7 8 593	•••••		1 1 50	1 1 12	3 3 3
17 1, 645 6 284	54 3,110 1 60	706 56, 890	220 20,435 1 55	45 2,646	10 1,485	29 2, 177	45 1,824	120 9,374 4 344	107 13,776	31 4,613 17 2,396 4 164		225 11,360 1 84 10 751	18 688	4
23 1,929	48 3,020  3 150	703 56,850	220 20,490	45 2,646	10 1,485	28 2,037 1 45 95	42 1,824	122 9,718	82 10,000  24 3,776	45 6,408  7 765	84	151 10,020  39 2,175	17 588	
1 1 6	4 1 7 20	2 18 69 241	1 2 8 30			1 4 9	3 2 14 15	2 2 16 31	1 4 8 16	2 2 4	1 1 1	46 17 37 58	1 	1.5
9 5 1	13 10	185 151 36. 4	103 67 10	10 5 1	4 2 1	7 6 2	9 1 1	24 47 2	24 34 18 2	19 13 9 2 1		48 22 7 1	3	

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## IRRIGATION OF AGRICULTURAL LANDS

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

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

	[Intercounty enterprises are included in each county in which	they had if	rigation wor	KS, DUC ONLY	yonce in a	CALE COLAI.	ror inter		Incerscace (	encerprises,
	Item (For definitions and explanations, see text)	Madison	Merrick	Norrill	Nance	Nuckolls	Perkins	Phelps	Platte	Polk
i	ALL ENTERPRISES									
1 2 3 4 5 6	Cost of water to farms, 1949: <sup>1</sup> Total cost of water to farms: Enterprises reporting	7 719 339 2.12 2.12 ( <sup>3</sup> )	540 97,405 31,914 3.05 3.05 ( <sup>3</sup> )	48 188,032 63,834 2.95 2.99 1.30	25 4,355 1,375 3.17 3.17 ( <sup>3</sup> )	41 9,117 2,581 3.53 3.53 ( <sup>3</sup> )	3 176 135 1.30 1.30 ( <sup>3</sup> )	143 157,353 52,020 3,02 3,03 ( <sup>3</sup> )	90 6,647 3,854 1.72 1.72 ( <sup>3</sup> )	69 12,352 4,859 2.54 2.54 (3)
7 8 9 10	Enterprises by cost per scre: Less than \$1.00acres irrigated. \$1.00-\$1.99enterprises reporting. acres irrigated.		73 3,899 125 7,892	16 7,994 10 9,970	2 118 6 248	3 179 9 619	2 120	12 598 31 2,078	35 1,582 24 1,151	4 645 25 1,860
11 12 13 14 15 16	\$2.00-\$4.99acres irrigated. s5.00-\$9.99enterprises reporting. acres irrigated. \$10.00 and overenterprises reporting. acres irrigated. acres irrigated.	4 144	259 16,353 60 2,805 23 965	14 45,525 6 265 2 80	12 801 5 208	21 1,371 6 317 2 2 25	1 15	73 48,472 20 746 7 126	19 864 7 235 5 22	31 1, 971 6 303 3 69
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	7 719 339 2.12	540 97,405 31,914 3.05	45 186,707 62,973 2.96	25 4,355 1,375 3.17	41 9,117 2,581 3,53	3 176 135 1,30	141 157,288 51,985 3.03	90 6,647 3,854 1.72	69 12,352 4,859 2,54
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting		· · · · · · · · · · · · · · · · · · ·	8 1,325 861 1.54				2 65 35 1.86		
25 26 27 28	Cost to fatms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reporting		· · · · · · · · · · · · · · · · · · ·	8 49,749 55,455 0.90	·····			1 53,402 45,000 1.19		· · · · · · · · · · · · · · · · · · ·
29 30 31	Arrearage in payments by farms, Jan. 1, 1950:4 Enterprises reporting			61,479 27,838				1 44, 378 45,000		· · · · · · · · · · · · · · ·
32 33	SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprisesenterprises.	7	561	33	26	41	3	145	92	69
33 34 35	Åres irrigstedacres Complete-system enterprises <sup>5</sup>	339 7 339	31,914 540 31,914	2,994 31 2,547	1,375 25 1,375	2,581 41 2,581	135 3 135	7,020 75 4,243	3,854 90 3,854	4,859 69 4,859
36 37 38	Other farms irrigated: Enterprises reportingfarms		1 4 40	2 2 544	1 1 70	2 3 125				
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting All of water from other enterprisesenterprises reporting acres irrigated All of water from other enterprisesenterprises reporting	7 339	561 31,914	31 2,547 1 396 1 61	26 1, 375	41 2,58I	3 135	80 4,543 5 342 60 2,135	92 3,854	69 4,859
45 46 47 48 49 50 51	Enterprises by primary and supplemental irrigation: All primary	7 339	540 31,914	30 2, 861	25 1,375	41 2, 581	3 135	140 6,985	90 3,854	4,859
52 53 54 55	Enterprises by number of acres irrigated: <sup>5</sup> Noneenterprises reporting 1-9 acresenterprises reporting 10-29 acresenterprises reporting 30-59 acresenterprises reporting.	 1 4	21 20 95 216		1 1 5 11	1 6 11	2	3 3 42 55	2 8 17 45	1 7 22
56 57 58 59 60	60-99 acres	2	125 70 14	7 4 4	4 4	18 5	1	29 11 2	16 4	24 13 2 

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

#### CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940-Continued

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

Red Willow	Saline	Sarpy	Scotts Bluff	Seward	Sheridan	Sherman	Sioux	Stanton	Thayer	Valley	Webster	Wheeler	York	All other counties	
39 16,212 4,822 3.36 3.65 2.43	30 3,333 1,266 2.63 2.63 ( <sup>3</sup> )	3 916 187 4.90 4.90 ( <sup>3</sup> )	130 766,457 186,316 4.11 4,22 1.92	24 3,866 1,424 2.71 2.71 ( <sup>3</sup> )	11 24, 260 11, 246 2.16 2.16 1.44	37 28,786 5,614 5.13 5.27 ( <sup>3</sup> )	66 99,752 31,607 3.16 3.23 1.40	9 669 500 1.34 1.34 ( <sup>3</sup> )	22 3,092 1,432 2,16 2.16 ( <sup>3</sup> )	27 79,883 17,588 4,54 4.57 ( <sup>3</sup> )	17 2,502 800 3.13 3.13 ( <sup>3</sup> )	3 525 105 5.00 5.00 ( <sup>3</sup> )	139 42,214 10,906 3.87 3.87 ( <sup>3</sup> )	13 1,302 624 2.09 2.09 ( <sup>3</sup> )	
4 138 12 921	7 359 9 290	1 16	24 5,243 15 1,336	5 349 5 155	1 115 2 70	6 166 4 189	53 8,800 4 127	4 275 2 165	2 119 8 789	2 88 5 185	3 250 4 143		13 768 34 2,624	3 237 3 74	7 8 9 10
10 3,116 11 607 2 40	10 432 3 160 1 25	1 151 1 20	45 127,794 26 51,459 20 484	12 801 2 119	4 10,710 3 350 1 1	9 281 12 4,784 6 194	7 22,600 1 30 1 50	2 45 1 15	7 350 5 174	11 14,492 6 2,758 3 65	4 112 6 295	1 65 2 40	61 5,277 26 1,701 5 536	5 270 1 40 1 3	11 12 13 14 15 16
38 14,969 4,446 3.37	30 3,333 1,266 2,63	3 916 187 4.90	88 753,288 181,429 4.15	24 3,866 1,424 2.71	11 24,260 11,246 2.16	34 28,291 5,459 5.18	56 99,103 30,886 3.21	9 669 500 1.34	22 3,092 1,432 2.16	24 79,553 17,488 4.55	17 2,502 800 3,13	3 525 105 5.00	139 42,214 10,906 3.87	13 1, 302 624 2, 09	17 18 19 20
2 1,243 376 3,31			52 13,169 4,887 2.69	·····		3 495 155 3.19	10 689 721 0.96			3 330 100 3,30					21 22 23 24
			5 281,713 136,407 2.07	· · · · · · · · · · · · · · · · · · ·	·····	4,319 4,283 1.01	1 45,796 22,000 2.08		•••••	1 2,468 2,500 0.99		· · · · · · · · · · · · · · · · · · ·			25 26 27 28
		· · · · · · · · · · · · · · · · · · ·	2 24,276 58,279	·····			$     \begin{bmatrix}       1 \\       8,159 \\       22,000     \end{bmatrix} $			1 13,386 14,000					29 30 31
38 2,091	44 1,266	3 187	148 5,349	24 1, 424	10 746	36 1,331	64 9,432	9 5010	22 1,432	25 1,088	18 800	3 105	139 10,906	13 624	32 33
38 2,091	30 1,266	3 187	110 5,279	24 1,424	10 746	36 1,331	56 7,552	9 500	22 1,432	24 1,073	17 800	3 105	139 10,906	13 624	34 35
1 1 25	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	2 2 64	2 2 35		······					1 1 5	·····	4 5 255		36 37 38
38 2,091	44 1,266	3 187 	141 5,279 3 51 4	24 1,424	10 746	36 1,331	57 7,552 3 980 4	9 500	22 1,432	24 1,073 1 15	18 800	3 105	139 10,905	13 624	40 41 42 43
37 2,026	30 1, 266	3 187	19 2,953 3 61 184 42	24 1,424	10 746	33 1,176	900 53 8,711  10	9 500	22 1,432	22 988	17 800	3 105	139 10,906	13 624	
1 65  3 10 9	14 2 10 9		42 2,151 32 25 29 29	1 5 8	1 1 3	3 155  3 12 13	10 721 1 7 5	42	1 3 5	100 7 12	1 2 - 3 7		1 8 36	2 6 2	51 52 53 54
12 3 1	8 1	1 	29 18 10 5	8 5 5	3 1 3 1	6 2	8 11 11 5 1	1 2	9 4	6	4	1	58 32 4		56 57 58 59 60

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

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[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

enterprise	s is counted for each	enterprisej			
Item (For definitions and explanations, see text)	The State	Dawson	Garden	Keith	Lincoln
MULTIPLE-FARM ENTERPRISES, 1950					
Multiple-farm enterprises, total number <sup>2</sup> enterprises	68 508 161	8 48,239	10 10,104	5 11,018	10 35,193
Area irrigated direct	4	2		1	3
Area irrigated directarea. Complete-system enterprises <sup>2</sup>	- 48	3	9 10 104	4 11.018	7 33,881
Area irrigated directacres	105,055	33,200	20,204	,	
No water from other enterprisesenterprises reporting	49 207 665	2 400	8 6,445	4 11.018	7 33,881
Part of water from other enterprisesenterprises reporting	15	6	2	1	3
All water from other enterprisesenterprises reporting	4				
	149,703				
No water delivered	- 49	2	9	4	6
acres irrigated.	218,108	4,071	10,104	11,018	33,681
other enterprises	17	6	••••••		3 1,312
Water delivered to other enterprises onlyenterprises reporting	290,033	++, 100	1	1	1
Enterprises by primary and supplemental irrigation: <sup>3</sup>	11	2	4	3	7
acres irrigated	318,001	1,271	3,405	3,018 1	35,193
Primary irrigation	179,873	44,279	6,503	5,873	
All supplemental	10,207	2,009			
-	•••••	•••••		* * * * * * * * * * * * * * * * * * *	
Noneenterprises reporting	2		1	1 2	1
4-9enterprises reporting	8	1	3		
30-99enterprises reporting	18	1	, 1	2	3
300-999enterprises reporting	10	4 1			Ĩ
·	1		•••••		****************
Noneenterprises reporting.	2		1	1	1
100-999 acresenterprises reporting	17	1	5	2	
	16 19	1	4	2	5
10,000-29,999 acres	8   4	2			1
Quantities of water reported, 1949:			10	F	10
percent of all enterprises reporting	1	8 1	31	4	4
Surface sources	61	8	10	5	2,300,705
acre-feet Pumped wellsenterprises reporting	1	1,399,797	28,300	835,916	2,214,297
acre-fent Other enterprisesOther enterprises reporting	19	6	2	1	3
acre-feet Conveyance loss <sup>4</sup>	1,006,965	8,067 8	300 10	5	86,408 10
acre-feet	1,125,438	321,564	6,775	168,594	491,004
Direct to farms	63	8	9	4	9
To other enterprises	17	6	. 1	1	171,146
acre-feet For use other than irrigationenterprises reporting	9	2	1	2	98,790 5
acre-feet	1,631,845	828,199	200	703,590	1,539,765
Enterprises reportingEnterprises	63	7	. 9	4	7
Area supplied primary irrigation	898,262 492,153	93,760 45,550	19,782 9,908	8,891	61,192 35,193
	1,8	2.1	2.0	2, 1	1.7
Enterprises reportingenterprises	24	5	5	1	
Area supplied supplemental irrigation	10,254	2,689	196	2, 127	
Quantity supplied per acre	2.2 1.9	2.1	2.2 2.1	2.2	1.7
	1 177 000	148 444		# ar=	E1 900
Average cost per acre-footdollars	1.87	1.78	0.53	0.39	51,892 0,85
Lost for supplemental irrigationdollars Average cost per acre-footdollars	27,099 1.23	10,129 1.78	253 0.59	1,611 0.35	
Measurement of water to farms, 1949: <sup>3</sup>		F	10		
No water measuredenterprises reporting Part of water measuredenterprises reporting	123,101	39,271	10 10,104	3,018	15,856
ever measured,	6	1 2		1	1 14 10 1
acres irrigated	40,086 11	8, 568	•••••••••	8,000	14,337
	<pre>(For definitions and explanations, see text) WULTIPLE - FARM ENTERPRISES, 1950 Multiple-farm enterprises, total number<sup>2</sup></pre>	(For definitions and explanations, see text)         MULTIPLE-FARM ENTERPRISES, 1950         Mulpic-farm enterprises,, enterprises, reporting,, enterprise	Upper definitions and explanations, see text)         4000000000000000000000000000000000000	(For definition and "explantion, set tent)         (For definition and "explantion, set tent)         (For definition and "explantion, set tent)           WLLTIPLE-FARM ENTERPRISES, 19:50         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           Mainterpresent enterprises         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           Mainterpresent enterprises         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           Mainterpresent (For definition, set tent)         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           Mainterpresent (For definition, set tent)         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           Mainterpresent (For definition, set tent)         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           All mater from other enterprises         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           All mater from other enterprises         (For definition, set tent)         (For definition, set tent)         (For definition, set tent)           All mater from other enterprises         (For definition, set tent)         (For definition, set tent)         (For definiter)         (For definition, set tent) <td>(For definitions and regimention, new text)         mm text           WULT DLE - SAW STR DERIBES.         0.00         0.0</td>	(For definitions and regimention, new text)         mm text           WULT DLE - SAW STR DERIBES.         0.00         0.0

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

[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]

=	enterprise	is counted for					<u> </u>
	Item (For definitions and explanations, see text)	Merrill	Red Willow <sup>1</sup>	Scotts Bluff	Sheridan <sup>1</sup>	Sioux	All other counties
	MULTIPLE-FARM ENTERPRISES, 1950						
1 2	Multiple-farm enterprises, total number <sup>2</sup> arterprises. Area irrigated directacres.	15 60, 840	2,731	14 180,967	10, <b>500</b>	3 22, 175	23 126, <del>39</del> 4
3	Multiple-purpose enterprises <sup>2</sup>						70,662
5	Area irrigated direct	12	1	8	1		13
6	Area irrigated directacres	20,827	2,731	21,779	10,500	]	39,819
. 7	Enterprises by origin of water supply: <sup>2</sup> No water from other enterprisesenterprises reporting	12	1		l ,	2	21
8	acres irrigated.	20,827	2,731	16,179	10, 500	175	105,409
9 10	Part of water from other enterprisesenterprises reporting acres irrigated	20,000		57,981			20,000
11	All water from other enterprisesenterprises reporting	2		2		1	1
12	acres irrigated	20,013		106,807		22,000	885
13	Enterprises by delivery of irrigation water: <sup>2</sup> No water delivered						
-14	Water delivered direct to farms onlyenterprises reporting	12	1	11			12
15 16	acres irrigated Water delivered to farms and to	25,356	2,731	91,867	•••••	•••••	39,080
17	other enterprises	3		3 89,100	10,500	3 22,175	11 87,314
17 18	acres irrigated Water delivered to other enterprises onlyenterprises reporting	35,484		69,100	10,300	22,113	
	Enterprises by primary and supplemental irrigation: <sup>3</sup>	1					
19	All primaryenterprises reporting.	10		7	1 10 600	3 22,175	18 116,149
20 21	acres irrigated Part primary, part supplementalPart primary, part supplemental	40,448	1	85,842 7	10,500	22,175	4
22 23	Primary irrigation	19,664	2, 420	92,573			8,561 1,684
23 24	Supplemental irrigationacres irrigated All supplementalenterprises reporting	728	311	2,552			1,004
25	acres irrigated.,			••••			
	Enterprises by number of farms irrigated direct: <sup>2</sup>	[	[			[ ]	
26 27	Noneenterprises reporting 1-3enterprises reporting	3				2	
28	4-9enterprises reporting. 10-29enterprises reporting.			••••••			4
29 30	30-99enterprises reporting.	5	1	4			5
31	100-299enterprises reporting 300-999enterprises reporting			3	1		4
32 33	1,000 or more	1		1		1	
	Enterprises by acres irrigated direct: <sup>2</sup>	[	[				
34	Noneenterprises reporting.	••••••		•••••			
35 36	1-99 acresenterprises reporting 100-999 acresenterprises reporting	· 12		1		1 î	5
37	1,000-2,999 acresenterprises reporting	5	1	3 5			4 3
38 39	3,000-9,999 acres			2	1		8
40	30,000 acres or more	2		3		1	. 3
	Quantities of water reported, 1949:	15	1	13	1	3	21
41 42	Total obtained from all sources <sup>4</sup> enterprises reporting percent of all enterprises reporting.	31	3	8	9	4	2
42 43	acre-feet Surface sources	927,684 13	5,290	1,099,070	21,754	536,796	3,905,918 20
45	acre-fect	187,692	5,290	235,754	21,754	800	3,901,632
44 45 46 47 48	Pumped wellsacre-feet	•••••		500			
48	Other enterprises	3		8		1 535,996	1 4,286
49 50	acre-feet Conveyance loss <sup>4</sup>	739,992	1	862,816 13	1	3	21
51	conveyance loss	441, 204	1,322	495, 499	6,039	284, 627	903,913
	Delivered: 4				-		
52 53	Direct to farmsacre-feet	420,090	1 3,968	13 533,031	15,715	236,633	347,109
53 54	To other enterprises	3		2	1	3 15,536	10 277,939
55 56	scre-fect For use other than irrigationenterprises reporting	66,190 1		64,940 2		13, 330	4
50 57	for use other than irrigation	<u>, ∿</u> 200		5,600			2,376,957
	Delivered direct to farms for primary irrigation: <sup>3</sup>						
58 59	Enterprises reportingQuantity deliveredacre-feet	15 137,629	3,452	13 374,710	15,715		121,776
60	Area supplied primary irrigation	60,112	2,420	174,948	10, 500	22,175	122,456
61	Quantity supplied per acre	2.3	1.4	2,1	1.5	2.3	1.0
62	Delivered direct to farms for supplemental irrigation: <sup>3</sup> Enterprises reportingenterprises	ج ج	1	6			4
63	Quantity deliveredacre-feet	2,076	516	5,741			3,010
64 65	Area supplied supplemental irrigation	728	311	2,519 2,3			1.8
66	Total quantity per irrigated acre <sup>5</sup> acre-feet	2.3		2.2	1.5	2. 3	1.0
	Cost of water to farms for enterprises reporting quantity delivered, 1949:3					or 800	398,914
67 69	Cost for primary irrigationdollars Average cost per acre-footdollars	180,347	8,316	735,736	21,000 1,34	95,822 1,85	3.28
68 69	Cost for supplemental irrigation	1,105	1,243	7,949			4,809
70	Average cost per acre-footdollars	0.53	2.41	1.38			1.60
	Nessurement of water to farms, 1949:3	11		7		2	
71 72	No water measuredacres irrigated.,	19,646	2,731	16,725		175	15, 57
73	Part of water measured	1,181		3,800	{		4,200
74 75	All water measured	3		5	1	1	10
76	acres irrigated	40,013		158,163	10,500	22,000	34,365
		2 For internet	······································	e enterorirer D		ses represents c	

<sup>1</sup>Data for less than 3 enterprises shown with permission of the enterprise. <sup>2</sup>For intercounty and interstate enterprises, number of enterprises represents acreage within the county or State. <sup>3</sup>For intercounty and interstate enterprises, data represent characteristics of the entire enterprise, number of acres represents acreage within the county or State. <sup>3</sup>For intercounty and interstate enterprises, data represent characteristics of the entire enterprise. <sup>5</sup>Calculated 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,

[Symbols in parentheses refer to drainage basin symbols on map, "Nebraska: Location of Irrigated

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Item (For definitions and explanations, see text)	The State	Adams	Antel	ope Ba	inner	Boone	Box Butte	Brown	Buffalo
Irrigated land, 1949acres.	887,239	5,6	19	446	1,668	6,444	14,277	1,718	51,154
Area irrigated direct, by drainage basin origin of water, 1949: <sup>1</sup> All basins (Mississippi River)acres	913.792	5,6	19	446	1,668	6,444	14,277	1,718	52,54
Missouri River excluding Platte River (VI-C),ecres.	126,070	5,6					2,116	1, 718	
Missouri River direct (1a)acres.	369		1						
Kansas River	91,976	11 · · ·							
Kansas River direct (2a)acres Republican River direct (2b, 2c)acres	57,656 30,441								
North Fork (2d)acres.	3,879					<i>.</i>			
Niobrara River (3)acres.	22,464						2,116	1,718	[
White River (4)acres Cheyenne River direct (Hat Creek) (5a)acres	6,928	11		l		•••••		·····	
	4,333			1				•••••	1
Platte River excluding South Platte River (VI-D)acres., Platte River direct (1)acres.	744, 184 348, 652	1		446	1,668	6,444	12,161		52, 54 51, 81
Loup River (2a, 2b)acres.	55,837					6,444			73
North Platte River (North Platte River direct ) (3a, 3b)acres	339, 695		••   • • • • • •		1,668		12, 161		•••••
South Platte River (VI-E)acres.	43, 538		- F	1					
South Platte River direct (1a)acres. Lodgepole Creek (2)acres.	26,015 17,523								
support creak (2)	11,525								
Item (For definitions and explanations, see text)	Dundy	Fillmore	Frankl	in Fro	ntier	Furnas	Gage	Garden	Garfield
Irrigated land, 1949acres.,	4,00	3,0	95 2,	,098	355	2,384	20 4	10,355	4,30
Area irrigated direct, by drainage basin origin of water, 1949: <sup>1</sup> All basins (Mississippi River)acres.	4,00	3,0	95 9	168	355	2,577	204	10,980	4,48
Missouri River excluding Platte River (VI-C)									
Missouri River direct (la)acres.,	4,001			, 168	355	2,577	204		
Kansas Riveracres	4,00	3,0	95 2	, 168	355	2,577	204		
Kansas River direct (2a)acres., Republican River direct (2b, 2c)acres.,							204	• • • • • • • • • •	
North Fork (2d)acres.	3,879			. 168	355	2, 577			
Niobrara River (3)acres.									
	••••••	1	••   •••••••						
	•••••		••   •••••••				•••••	•••••	•••••
	•••••							10,980	4, 41
Loup River (2a, 2b)acres.	• • • • • • • • • • • • • • • •						•• <i>•</i> •••••••		4,41
	••••••							10,980	
	• • • • • • • • • • • • • •	1							
errs.	••••••		•   • • • • • • • • • • • • • • • • • •	••••	•••••				
Item (For definitions and explanations, see text)	Madison	Merrick	Morrill	Nance	Nuckol	ls Perkin.	s Phelps	Platte	Polk
Irrigated land, 1949acres Area srrigated direct, by drainage basin origin of water, 1949:	339	31,914	62,973	1,375	2,	581 I	35 51,98	5 3,854	4,8
All basins (Mississippi Hiver)acres.	339	31,914	63,834	1,375	2,	581 1:	35 52,020	3,854	4,85
					2,	581 1	35 73	5	2,92
Kansas Nivar	•••••	· · · · · · · · · · · ·	• • • • • • • • • • •						
Kansas River direct (2a)	· · • • • • • • • • • • • • • • • • • •	<i></i>	· · · · · · · · · · · · · ·	• • • • • • • • • • •		581 1: 943	35 73		2,92
Republican River direct (2b, 2c)							35 736		
	••••••	· · · · · · · · · · · ·	• • • • • • • • • • • • •						[
White Diver (4)	••••••		•••••						
Character Divers diverse (11, 6, 13, 4, 7, 1	•••••		•••••				1		
Platte Hiver excluding South Platte River (VI-D)acres.	339								
Platte River direct (1)acres.	339	31,914 31,164	63,834	1,375					1,93
		750	· · · · · · · · · · · · · · · · · · ·	1, 375			1	1	L, 94
Loup Hiver (2a, 2b)acres									
Loup Hiver (2a, 2b)acres North Platte River (North Platte River direct) (3a, 3b)acres			63,834						
Loup Hiver (2a, 2b)acres North Platte River (North Platte fliver direct) (3s, 3b)acres South Platte fliver (VI-F)acres South Platte fliver (VI-F)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 screage irrigated direct shown in County Table ? or Drainage Basin Table 1

#### AND BY COUNTIES IN WHICH ACREAGE WAS LOCATED: CENSUS OF 1950

Land, 1949." Tributaries not shown separately are included in the portion of the basin designated direct"]

Butler	Cedar	Chase	Cherry	Cheyenr	e CL	iy C	Colfax	Cumi	g	Custer	Dawea	Dawson	Deuel	Dodge	Douglas
1, 304	297	2,1	79 1,34	3 7,	547	8,888	2,869		237	9,492	8, 196	90,975	5,670	1,066	9
1,304	297	2,1	79 1, 34	3 7,1	547	6,888	2,869	{	237	9,567	8,396	97,050	6, 993	1,066	91
• • • • • • • • • • • •	297	2,1	79 1, 34	3		8,888					8,396				
• • • • • • • • • • • • • • • • • • • •	297			.											
• • • • • • • • • • • • •		2,1	79			8,888		••••						•••••	
• • • • • • • • • • • • • •	•••••			• ••••••	- F	8,888		• • • • • • • •		• • • • • • • • • •	•••••••			· • • • • • • • • • • • • • • • • • • •	
•••••		2, 1	1		••• ••••				[	• • • • • • • • • • •	•••••		( • • • • • • • • • • • • • •	•••••	
•••••			••   ••••••••				· · · · · · · ·	• • • • • • • • •	•••• [•••	• • • • • • • • • •	•••••			•••••	
• • • • • • • • • • • •			1,34	3 ]	••••	••••• •		••••			1,468			••••	
		•••••	••   •••••••••		•• ••••				••• •	• • • • • • • • • •	6,928	• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · ·	- · · · · · · · · · · ·	
1,304			••   •••••••••		•••  •••••			• • • • • • • • •		•••••	• • • • • • • • • • •	·····		•••••	•••••
1,304							2,869		237	9,567		97,050		1,066	96
1, 304							2,869		237	• • • • • • • • • •	• • • • • • • • • • •	97,050	• • • • • • • • • • • •	1,066	96
•••••••••					••••			• • • • • • • •		9, 567	• • • • • • • • • • •	. <i></i>		•••••	
••••••			••   •••••••••		•• • • • • • • • • • • • • • • • • • • •		•••••	• • • • • • • • •	••••	•••••	•••••	····	•••••	•••••	
· · · · · · · · · · · ·			•   • • • • • • • • • •	7,5	i47					]			6,993	• • • • • • • • • • • • •	
•••••			•   • • • • • • • • •	·····		····				•••••		•••••••	6,435	•••••	• • • • • • • • • • •
•••••		1		7,5	47			• • • • • • • • • • •		•••••	• • • • • • • • • • • •	••••	558	• • • • • • • • • • •	
				<del></del>						<u> </u>					
Gosper	Greeley	Hall	Hamilton	Harlan	Haye	s Hit	chcock	Howar	-   I	(earney	Keith	Kimball	Lancaster	Lincoln	Loup
6, 929	3, 717	56,8	50 20, 490	2, 6	46 1	., 485	11,005	1,	824	29,718	18,891	8,495	84	45,213	3, 393
6,929	3,867	56,8	20,490	2,6	46 1	485	11,100	1.	824	29,718	24,794	9,418	84	47, 388	3, 393
90							11,100			2, 382				82	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			18,056	2,6	*0 1	., 485	11,100	••••	••••	2, 302				64	•••••
90			. 18,056	2,6	46 1	,485	11, 100			2,382				82	
• • • • • • • • • • • •				1	{					1, 756					
90	•••••			2,6	46 1	, 485	11,100		[	626				82	
•••••							]								
		1													
· · · · · · · · · · · · · · · · · · ·															
6,839	3, 867	56,8	2,434				1	,	824	27, 336	5,214		84	47, 306	3,393
6,839		56,89			••   ••••••		•••••		594	27, 336			84	10,797	
	3,867								1						3,393
								• • • • • • • • • • •			5,214			36,509	
		1	1								19,580	9,418			
											19,580	2,410			
												9,418			
ed Willow	Saline	Sarpy	Scotts Bluff	Seward	Sheridan	Sherman	Si	0ux .	stanton	Thayer	Valle	y Webster	Wheeler	York	All other counties
4, 446	1,266	187	181,429	1, 424	11,246	5, 459		10, EB6	500	1,4	32 17,4	38 800	0 105	10,906	624
4,822	1,266	187	186, 316	1, 424	11, 246	5,614		1,607	500	1,4	32 17,5	88 80	0 105	10,906	624
	1	1		1						1				1 1	
4,822		1	• • • • • • • • • • •	1,424	11,246			1	••••••	1,4		· 1		10,906	323
4, 822	1,266		· · · · · · · · · · · · · · · · · · ·	1,424					· · · · · · · · · · ·	I,4				10,906	72 24
4, 022				1,424						1,4			1	10,906	24
															•••••
											1				
					11,246			4 241					.		227
••••••	•••••		•••••••		11,240										-41
								1		1					
	•••••	187	-			5,614		2, 933	500	1		1	1		301
	•••••	1					1		500			•			145
••••••		j.		••••••		5,614			 . <i></i>			1	1		76 80
••••••	•••••	•••••	100,310	••••••	•••••	•••••	1			1	•••   ••••••••				00
		• • • • • • • • • • • •				•••••		•••••			••   •••••••				
	1						1			1				1	
••••		1			1		1			1		· ] · · · · · · · · · · · · · · · · · ·			

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

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[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,

-	Linterbasin enterprises are counted in each drainage pasin in white				Missouri Rive	er excludin	g Platte Ri	ver (VI-C)		
				i			Kansas			
					T			Republic	n River	
	Item (For definitions and explanations, see text)	The State (Missis- sippi River)	Total	Missouri River direct (la)	Total	Kansas River direct (2a)	Total	Republican River di- rect below Harlan County Dam (2b)	Republican River di-	North Fork (2d)
	ALL ENTERPRISES									
1 2 3	Farms and land irrigated: All irrigation enterprises	5,583 2,717 1	1,199 456	9 12	1,056 300	736 109	320 191	(*) (*)	(*) <sup>219</sup>	19 (*)
4 5 6 7 8	Farms irrigated direct per enterprise <sup>1</sup> farms 1950. Irrigated land <sup>2</sup> acrea 1949. acrea 1949. Average per enterpriseacrea 1939. Average screage irrigated direct per enterprise <sup>1</sup> acrea 1949.	2.0 887,239 610,379 159 164	1,3 125,192 55,934 104 105	1.0 369 385 41 41	1,2 91,398 31,274 87 87	1.0 57,717 4,072 78 78	1.5 33,691 27,202 105 108	1.0 4,648 3,454 57 58	1.7 25,154 20,662 115 118	1.9 3,879 3,086 204 204
9 10	Type of enterprise, [950: Single-farmacres irrigated	5,515 405,631	1,190 96,173	9 369	1,051 78,239	736 57,717	315 20,522	82 4,718	215 13,549	18 2, 255
11 12 13 14	Mutual: Unincorporatedacres irrigated. Incorporatednterprises. acres irrigated. acres irrigated.	11 5,873 15 43,289	( <sup>3</sup> ) <sup>2</sup> ( <sup>3</sup> ) <sup>1</sup>		 1 ( <sup>3</sup> )		1 ( <sup>3</sup> )	· · · · · · · · · · · · · · · · · · ·	 1 ( <sup>3</sup> )	
15 16 17 18	Commercialenterprizes acres irrigated Districtacreprizes acres irrigated	( <sup>3</sup> ) 39 445, 138	( <sup>3</sup> ) 3 15, 585		( <sup>3</sup> ) ( <sup>3</sup> ) ( <sup>3</sup> )		$\binom{3}{\binom{3}{\binom{3}{\binom{3}{\binom{3}{\binom{3}{\binom{3}{\binom{3}$		( <sup>3</sup> ) <sup>1</sup> ( <sup>3</sup> ) <sup>1</sup>	  ( <sup>3</sup> )
19 20 21 22	U. S. Bureau of Reclamation <sup>4</sup> acres irrigated. acres irrigated. U. S. Bureau of Indian Affairs	2 13, 231	2 13,231		1 2,731		1 2,731		1 2,731	
23 24 25 26	Stateacres irrigated. Citycres irrigated. acres irrigated.									
27 28 29 30 31 32	Use of surface, ground, pumped and stored water, 1949: Surface water: Gravity only	223 508, B54 420 20, 087 25 22, 455	96 44,114 124 5,254 10 706	3 63 1 60	21 15, 492 109 4, 503 3 66	5 154 61 2,077 2 46	16 15, 338 48 2, 426 1 20	2 8 12 851 1 20	10 12,650 36 1,575	
33 34 35 36	Ground water only (pumped from wells)enterprises reporting. acres irrigated Surface (gravity or pumped) and ground waterenterprises reporting. acres irrigated.	4, 661 339, 227 254 23, 169	901 70,819 68 5,348	5 246	855 66,738 68 5,348	629 52,733 39 2,707	226 14,005 29 2,641	62 3,582 5 257	152 9,458 21 2,150	12 965 3 234
37 38 39 40 41 42	Stored water: Nome storedacres irrigated Part storedacres irrigated All storedacres irrigated All storedacres irrigated	5,405 532,571 65 374,959 113 5,262		6 280 2 78 1 11	1,029 89,771 7 803 20 1,573	725 56,856 6 773 5 88	304 32,915 1 30 15 1,495	77 4,324 5 394	209 24,762 1 30 9 1,041	18 3,829 1 50
43 44 45 46	Sources of surface water, 1949: <sup>5</sup> Streams (and lakes) Springsenterprises reporting acres irrigated	825 569,151 19 1,040	248 52,536 9 177	3 112	158 22,637 4 104	79 3,077	79 19,560 4 104	14 1,050 2 8	61 15,830 2 96	4 2, 580 
47 48 49 50	Flowing wells	61 4,534 43 16,119	33 2,216 14 779	2 71	33 2,216 11 678	22 1,272 8 620	11 944 3 58	2 40 2 38	6 670 1 20	3 234 
51 52 53 54	Sewageenterprises reporting acres irrigated Other sourcesacres reporting acres irrigated	2 110	2 110 	 	2 110	1 85 	1 25 		1 25	·····
55 56 57 58	Drainage of irrigated lands <sup>6</sup> Irrigated land drained: Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area artificially drainedacres 1949 Irrigated land in need of drainage:	319 313, 192 103, 297 47, 532	2,523		51 4, 535 2, 322 248	43 3,958 1,750 172	8 577 572 76	90 90	7 487 482 (*)	······································
59 60 61 62	Enterprises reportingacres 1949 Area supplied primary irrigationacres 1949 Area in need of drainageacres 19.59 acres 1939	481 300, 133 32, 284 10, 305	1,545	(*) <sup>1</sup>	7,691 1,105 102		50 102	(*) 14	2 RR4 36 (*)	(•)
	"Not available, Farms and acreage irrigated direct by 2 or more enterp		tad for an	h enternri	2 405	ange irrige	ted direct	by 2 or mor	e enterpris	es is counte

"Not available, Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise. <sup>2</sup> Acreage irrigated direct by 2 or more enterprises is counted only once. Acreage for 1939 is estimated acreage within revised drainage basin boundaries. <sup>3</sup> Data for less than 3 enterprises not shown separately. <sup>4</sup> Data for less than 3 enterprises shown with permission of the enterprise. <sup>5</sup> Enterprises reporting water from more than 1 source are counted for each. <sup>6</sup> For interbasin and interstate enterprises, datar represent characteristics within the drainage basin or State.

#### CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

Missour Platte Riv	ri River exclu ver (VI-C)-Co	ding ntinued			Platte River	excluding So	uth Platte Ri	ver VI-D		]	South Pl	atte River	(VI-E)	
						Loup River		Nort (North P)	h Platte Rive atte River d	er irect)				
Niobrara River	White River	Cheyenne River direct (Hat Creek)	Total	Platte River direct	Total	Below St. Paul	Above St. Paul	Total	Below Keystone	Above Keystone	Total	South Platte River direct	Lodgepole Creek	
(3)	(4)	(5 <u>n</u> )		(1)		(2a)	(2b)		(3a)	(ЗЬ)		(la)	(2)	
73 88	24 33	37 23	4, 116 (*)	3,202 (*)	468 (*)	(*) 281	(*) <sup>187</sup>	446 (*)	(*) <sup>115</sup>	331 (*)	(*) <sup>268</sup> (*)	(*) <sup>135</sup>	133 120 1	
2.6 22,364 10,259 306 308	2.5 6,728 12,083 280 289	1.0 4,333 1,933 117 117	2,3 726,321 521,799 176 181	1.5 340,410 133,557 106 109	2,2 55,179 25,232 118 119	2,3 36,780 17,944 131 132	2.1 18,399 7,288 98 100	8,3 330,732 362,710 742 762	3.6 38,165 42,030 332 349	10.0 292,567 320,680 884 905	1.4 35,726 32,646 133 162	1.6 19,196 19,523 142 193	1.3 16,530 13,123 124 132	
70 11,789	23 1,443	37 4,333	4,062 279,228	3, 193 225, 768	465 24,352	279 16,006	186 8,346	404 29,108	107 3,458	297 25,650	263 30,230	132 15, 207	131 15,023	
( <sup>3</sup> ) 2			7 5,220 13 41,957	5 24,651	· · · · · · · · · · · · · · · · · · ·	·····	· · · · · · · · · · · · · · · · · · ·	7 5,220 8 17,306	( <sup>3</sup> ) 1 ( <sup>3</sup> )	5 3,187 7 11,806	$\binom{3}{3}$	( <sup>3</sup> ) 1 ( <sup>3</sup> )	( <sup>3</sup> ) <sup>1</sup>	
	1 ( <sup>3</sup> )		34 417,608	4 98,062	3 31, 485	<sup>2</sup>	1 ( <sup>3</sup> )	27 288,061	5 29,143	22 258,918	<sup>2</sup> ( <sup>3</sup> )	1 ( <sup>3</sup> )	<sup>1</sup>	
10,500									·····		·····			
									·····	• • • • • • • • • • • • • • • • • • •	·····			
26 18,042 5 362 2 240	17 6,743 5 145 1 25	32 3,837 2 181 3 315	109 450,154 294 14,728 14 21,684	25 123, 831 161 7, 733 8 585	8 10,779 99 4,551 3 20,992	2 305 63 3,267 2 20,977	6 10,474 36 1,284 1 15	76 315,544 34 2,444 3 107	9 36,732 8 295	67 278,812 26 2,149 3 107	18 14, 586 2 105 1 65	5 10,831 1 75	13 3,755 1 30 1 65	
40 3,820	1 1 15		3,545 245,426 154 12,021	2,913 209,367 95 6,965	313 16,764 45 2,751	195 11,006 19 1,653	118 5,758 26 1,098	319 19,295 14 2,305	1	222 16,188 13 2,305	215 22,982 32 5,800	124 13,507 5 1,602	91 9,475 27 4,198	5
71 11,744 2 10,720	2	14 733 8 2,251 15 1,349	4,012 390,536 31 350,556 73 2,921	3,120 225,722 16 119,990 66 2,769	464 55,741 2 46 2 50	279 37,138 1 40 1		230,520 5	1	314 68,939 12 230,520 5 102		134 25,130 1 885	118 13, 434 12 3, 881 3 208	4 2 1 3
. 31 18,636 2 8	23 6,913	33	525 496,134 10 863	262 137,562			67 12,832		36,885 1	282,787 6	20,481	10 12,433	8,048	8
		 1 30	27 2,243 28 15,217	15	5 627 3 115	585 2	1 1	129	56	7	75 1 123			i
• • • • • • • • • • • • • • • •														•
	5,485		261 297,000 99,335 (*)	56,400	4,432	1,421	3,011	236, 16	3 18,580	217,588	6,171	6,146 1,414 (*)	(*)	125
1 5 783 313 83	5 1 3 5,485 3 100	1 265 25	385 279,196	336 39,669	28 18,097	15,289	2,808	221,43	5,520	215,910	6,702	6,471	22	24 24 85

#### 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 and interstate enterprises,

				Mi	issouri Rive	r excluding				
						·	Kansas	Republics	- Bire-	
								Nepupi 1ca	in tiver	
	Item (For definitions and explanations, see text)	The State (Mississippi River)	Total	Missouri River direct (12)	Total	Kansas River direct (2a)	Tota]	Republican River direct below Harlan County Dam (2b)	Republican River direct above Harlan County Eam (2c)	North Fork (2d)
	ALL ENTERPRISES									
IF	rigation works: Diversion damsdams 1950 dams 1950 1940	342 488 351	146 199 177	······ ·····	77 88 38	62 73 8	15 15 30	4 (*)	10 10 (*)	1 (*)
	Diversion dams by material:	92	22		-7	2	5	1	4	
	Concrete or masonrydams 1950 Timber,dams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	92 21 351 24	5 162 10	·····	2 76 3	2 68 1	· 8 2	3	4 2	1
	Reservoirs	87	62	3	28	12	16	5	9	2
	reservoirs 1950 1940 Reservoirs for which capacity was reportedreservoirs 1950 total capacity, acre-feet 1950.	114 164 96 133,934	85 54 70 50,221	3 1 3 69	31 16 23 1,977	15 8 11 305	16 8 12 1,672	(*) 4 356	9 (*) 1,316	(*) <sup>2</sup>
	1940	2,306,159	17,144	(*)	1,359	205	1,154	(*)	(*)	(*)
	Heservoirs by capacity: 1-99 acre-feet	70 16 10	49 16 5	3	17 6	11 	6 6 	2 2	4 4 	
	Reservoir dams by material: Concrete or masonrydams 1950	3	1							Í
	Concrete of massury	96 15	72 12	2 1	24 7	12 3	12 4	4	72	1
	Canals and ditchestotal length, miles 1950 total length, miles 1950 1940	519 4,613 3,331	164 402 326	2 2 	125 216 151	58 51 7	67 165 144	19 15 (*)	45 138 (*)	(*) <sup>12</sup>
	Pipelines and siphons <sup>1</sup> total length, miles 1950 total length, miles 1950 1940	109 88 126	50 64 36	4 2 3	40 52 12	21 42 7	19 10 6	6 2 (*)	13 8 (*)	·····
	Tunnels	6,600		•••••		• • • • • • • • • • •	• • • • • • • • •			
	total length, feet 1950 Flowing wells	61	33		33	22	11	2	6	3
	wells 1950 1940	89 19	46 19		46 19	26 19	20	(*) 3	(*) <sup>14</sup>	(•)
	Pumped wells	4,910 7,157 2,412	960 1,088 184	5 6 7	914 1,029 160	658 730 37	256 299 123	67 78 (*)	173 204 (*)	16 17 (*)
	Wells for which pumping lift was reportedwells 1949. Average pumping lift	6,790 46 34	1,019 87 1	5 37 44	964 88 49	687 100 75	277 59 42	74 (*)	190 53 (*)	13 57 (*)
	Irrigation pumps 1950	5,322	1,095	9	1,029	727	302	80	206	1
	pumps 1950 1940	7,734 2,848	1,287 340	10 12	1,207	843 110	364 182	96 (*)	250 (*)	(•) <sup>11</sup>
	Electric motors used for pumpingenterprises reporting 1950	1,254	79	3	74	38	36	2	33	
	electric motors 1950 1940	1,791 246	93 35	3	87	46 20	41 12	(*)	(*) 37	(•)
	Other motors and engines used for pumpingenterprises reporting 1950 other motors and engines 1950	4, 412 5, 721	1,019 1,164	7 8 9	963 1,097	694 789 87	269 308 164	77 89 (*)	178 203 (*)	(*)
Sea	ason of irrigation, 1949:	2,418	1	-	251	61	104			
	Water delivered only before July 1enterprises reporting acres irrigated	34 5,108	30 4,608	2 21	160		1 160		160	
	Water delivered before and after July 1enterprises reporting	999	256	1	170	76	94	13	67	1
	acres irrigated Water delivered only after July 1enterprises reporting	605,953 4,190	55,835 847	40	27,812 820	6,844 611	20,968 209	735 67	16,701 137	3, 53
	acres irrigated	292,501	62,245	308	60,682	48,719	11,963	3,943	7,673	34
Cap	pital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940dollars 1940 New capital investment Jan. 1, 1940, to Jan. 1, 1950:	39,056,207	1,518,872	19,558	784,766	166,310	618,456	(*)	(•)	(*)
	Enterprises reporting	4,109	969	9	880	660	220	50	157	1
	Amountdollars 1950 Area irrigated directacres 1949	17,407,674 506,769	7,339,688 95,291	22,731 369	3,836,703 69,694	3,042,192 53,011	794,511 16,683	153,251 3,010	597,272 12,849	43,98 82
Inc	Total capital investment Jan. 1, 1950	56,463,881	8,858,560	42,289		3,208,502	1,412,967	(*)	(*)	(*)
	funded obligations, Jan. 1, 1950: Enterprises reportingenterprises 1950	31	4		2		2		1	
	Amount	18,911,386	1,012,976		104,676		104,676	(*)	101,376 (*)	3,30
	Area irrigated directacres 1949	21,727,368	161,420 20,340		10,420 4,355	·····	10,420 4,355		2,731	1,62
	Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations. Jan. 1, 1950:		-				, , , , , , , , , , , , , , , , , , ,			
	Enterprises reporting	457,418					••••••			
	Area irrigated directacres 1949	132,849			1					

•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 enterprise.

#### CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

ussouri Hiv (VI	ver excluding -C)-Continu	Platte River	·	- <b> </b>	Platte five	r excluding S	South Platte I	liver (VI-D)			South	Platte Piver	(VI-E)
	1		{			Loup River			rth Platte R Platte Rive				
Niobrara River	White River	Cheyenne River direct (Hat Creek)	Total	Platte River direct	Total	Below St. Paul	Above St. Paul	Total	Below Keystone	Above Keystone	Total	South Platte River direct	Lodgepole Creek
(3)	(4)	(58)		(1)		(2a)	(2b)		(3a)	(3b)		(1a)	(2)
26 34 77	19 23 32	24 54 29		47 104 (*)	32 42 (*)	25 33 (*)	7 9 (*)	79 94 (*)	7 8 (*)	72 86 (*)	38 49 (*)	4 (*)	34 42 61
11 2 16 5	3  19 1	1 1 51 1		6 2 93 3	4 1 35 2	4 1 27 1	8 1	43 11 36 4	5 1 2	38 11 35 2	17 2 25 5	1 4 2	16 2 21 3
2 4 1 31,300 42	3 5 9 12,480 14,570	26 42 24 38 4,395 1,172	19 23 (*) 21 77,793 (*)	(*) (*) (*) (*)	3 3 (*) 2 56 (*)	(*) (*) (*)	2 2 (*) 46 (*)	9 (*) 13 (*) 13 77,569 (*)	(*)	9 13 (*) 13 77,569 (*)	6 (*) 5,920 (*)	(*) (*)	6 6 5 5,920 6,275
i	1 3 1	28 7 3	17	6	2	1	1	9 		9 4	4 i		4 i
4	5	1 37 4	20 3	5 2	2 1	i	2	13		13	2 4		24
19 97 97	11 76 54	7 11 23	329 4,078 (*)	177 1,306 (*)	48 259 (*)	27 232 (*)	21 27 (*)	104 2,513 (*)	9 276 (*)	95 2,237 (*)	26 133 (*)	9 64 (*)	17 69 64
5 2 3	1 8 18		58 25 (*)	24 9 (*)	21 9 (*)	17 8 (*)	4 (*)	13 7 (*)	1 (*)	12 (*)	1 (*)	(•) 1	3
· · · · · · · · · · · · · · · · · · ·	·····	· · · · · · · · · · · · · · · · · · ·	1 6,600 27 41 (*)	 19 31 (*)			2 2 (*)	6,600 3 (*)		6,600 2 3 (*)	 1 2 (*)	 1 2 (*)	
40 52 13 49 79 50	1 1 4 1 22 36		3,703 5,655 (*) 5,360 38 (*)	3,014 4,823 (*) 4,578 36 (*)	(*) 358 402 (*) 373 59 (*)	216 240 (*) 224 53 (*)	(*) 142 162 (*) 149 67 (*)	331 430 (*) 409 43 (*)	96 123 (*) 108 26 (*)	235 307 (*) 301 50 (*)	247 414 (*) 411 54 (*)	130 213 (*) 213 47 (*)	117 201 88 198 62 55
46 59 29 2 3	6 6 6	5 5 1	3,982 6,027 (*) 1,044 1,499 (*)	3,158 5,026 (*) 895 1,325 (*)	458 535 (*) 56 68 (*)	278 323 (*) 40 43 (*)	180 212 (*) 16 25 (*)	366 466 (*) 93 106 (*)	106 132 (*) 8 9 (*)	260 334 (*) 85 97 (*)	245 420 (*) 131 199 (*)	130 216 (*) 63 90 (*)	115 204 91 68 109 5
43 53 28	6 6		3,245 4,342 (*)	2,558 3,534 (*)	404 461 (*)	238 269 (*)	166 192 (*)	283 347 (*)	99 114 (*)	184 233 (*)	148 215 (*)	85 122 (*)	63 93 89
4 2,380 51 18,861 17 1,163	4 257 16 6,579 4 92	19 1,790 18 2,543	535 511,632 3,2 93 225,841	250 145,654 2,771 197,398	43 33, 921 400 21, 424	18 22,183 250 14,945	25 11,738 150 6,479	242 332,057 122 7,019	24 37,380 48 2,559	218 294,677 74 4,460	4 500 208 38,486 50 4,415	102 23,395 31 2,617	4 500 1 <i>06</i> 15,091 19 1,798
136, 355	498,915	79,278	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	371,367
45 3,429,264 15,390 3,565,619	10 10,407 6,134 509,322	25 40,583 3,704 119,861	2,962 9,432,159 389,501 (*)	2,367 5,772,307 278,352 (*)	382 1,429,483 51,526 (*)	237 788,835 34,262 (*)	145 640,648 17,264 (*)	213 2,230,369 59,623 (*)	46 1,366,977 6,803 (*)	167 863,392 52,820 (*)	178 * 635,827 21,977 (*)	93 352,975 12,458 (*)	85 282,852 9,519 654,219
I 846,300 10,500	62,000 151,000		26 17,835,910 (*) 391,458	4 3,260,818 (*) 99,900	3 1,331,087 (*) 31,485	2 1,231,087 (*) 21,202	1 100,000 (*) 10,283	19 13,244,005 (*) 260,073	3 2,769,508 (*) 17,843	16 10,474,497 (*) 242,230	62,500 (*)	·····(*)	1 62,500 82,000 2,245
			7 457,418 132,849		2 349,087 21,202	349,087		106,331		5 108,331 111,647			

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#### 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

=	[Interbasin enterprises are included in each drainage basin in which they	Ba	T				latte River			
								s River		
	Item (For definitions and explanations, see text)	The State (Missis- sippi River)	Total .	Missouri River direct (1a)	Total	Kansas River direct (2a)	Total	Republican River direct below Harlan County Dam (2b)	Republican River direct below Harlan County Dam (2c)	North Fork (2d)
	ALL ENTERPRISES Cost of water to farms, 1949: <sup>1</sup>			1						
1 2 3 4 5 6	Total cost of water to farms:       Enterprises reporting	913,792 3,30	1,175 359,607 126,241 2.85 2.87 1.69	9 1,244 369 3.37 3.37 ( <sup>3</sup> )	1,032 302,692 92,147 3,28 3,31 1,58	714 202,808 57,717 3,51 3.51 ( <sup>3</sup> )	318 99,884 34,430 2,90 2,97 1,41	81 13,494 4,718 2.86 2.90 ( <sup>3</sup> )	218 70,494 25,833 2,73 2,80 1,27	19 15,896 3,879 4,10 4,10 ( <sup>3</sup> )
7 8 9 10	Enterprises by cost per acre; Less than \$1.00enterprises reporting \$1.00-\$1.99scres irrigated acres irrigated	712 95,840 1,069 134,043	214 25,788 227 26,454	1 85 3 70	130 11,867 220 26,119	83 7,642 160 12,881	47 4,225 60 13,238	13 826 17 1,057	28 1,918 43 12,181	6 1, 481
11 12 13 14 15 16	\$2.00-\$4.99acres irrigated. acres irrigated. \$5.00-\$9.99acres reporting. acres irrigated. \$10.00 and overstore irrigated. acres irrigated. acres irrigated.	2,482 555,778 827 115,424 298 12,707	469 56,165 200 14,578 65 3,256	2 71 2 140 1 3	447 38,636 178 12,435 57 3,090	313 26,931 116 7,761 42 2,502	134 11,705 62 4,674 15 588	39 2,247 9 420 3 168	89 9,161 47 2,263 11 310	6 297 6 1,991 1 110
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	5,167 2,943,605 887,239 3.32	1,170 357,590 125,192 2.84	9 1,244 369 3,37	1,029 300,675 ^1,398 3,27	714 202,808 57,717 3,51	315 97,867 33,681 2,91	80 13,294 4,648 2.86	216 68,677 25,154 2,73	19 15,896 3,879 4,10
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting	257 68,639 26,553 2,58	8 2,017 1,049 1,92		6 2,017 749 2.69		6 2,017 749 2.69	1 200 70 2.86	5 1,817 679 2.68	· · · · · · · · · · · · · · · · · · ·
25 26 27 28	Cost to farms for purposes other than operation and maintenence: 4 Enterprises reportingenterprises Cost	14 489,106 312,045 1.57								
29 30 31	Arrearage in payments by farms, Jan. 1, 1950:4 Enterprises reportingdollars Amountdollars Area irrigated direct	16 213,177 250,044								
32 33	. SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprises	5,515 405,631	1,190 96,173	9 369	1,051 78,239	736 57,717	315 20,522	82 4,718	215 13,549	18 2,255
34 35	Complete-system enterprises <sup>5</sup> enterprisesenterprisesenterpriseserres		1,152 94,142	9 369	1,023 78,044	713 57,662	310 20,382	81 4,718	212 13,439	17 2,225
36 37 38	Other farms irrigated: Enterprises reporting	99 115 5,578	33 37 1,663	•••••	31 35 1,579	24 27 1,141	7 8 438	1 1 5	6 7 433	· · · · · · · · · · · · · · · · · · ·
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting. All of water from other enterprisesenterprises reporting. acres irrigated. All of water from other enterprises	5,344 393,247 53 6,127 118 6,257	1,176 94,142 5 1,043 9 988	9 369	1,047 78,044 1 30 3 165	735 57,662 1 1 55	312 20,382 1 30 2 110	82 4,718	213 13,439  2 110	17 2,225 1 30
45 46 47 48 49 50	Enterprises by primary and supplemental irrigation: All primary	5,090 388,700 11 665 700 221	1,159 95,190 2 245 288 5	9 369	1,022 77,556 2 245 288 3	714 57,717	308 19,839 245 288 3	80 4,648 	210 12,936 245 288 2	18 2,255
51 52 53 54 55	acres irrigated. Enterprises by number of acres lrrigated: <sup>5</sup> Noneenterprises reporting. 1-9 acresenterprises reporting. 10-29 acresenterprises reporting.	15,566 193 189 812 1,581	450 24 35 145 285	1 3 2	150 24 23 129 249	22 11 57 152	150 2 12 72 97	70 1 6 19 20	80 1 52 68	
56 57 58 59 60	60-99 acres	1,444 1,030 238 24 4	407 227 57 9 1	2	389 202 32 3	303 168 22 1	86 34 10 2	24 9 3	58 23 6 1	4211

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

## 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]

Misso Platte R	uri River exc iver (VI-C)-	Continued		·····	Platte Rive	r excluding S	South Platte R				South	Platte Rive	r (VI-E)	
						Loup River		North	th Platte Ri Platte River	ver direct)				
Niobrara River	White Niver	Cheyenne River direct (Hat Creek)	Total	Platte River direct	Total	Below St. Paul	Above St. Paul	Total	Below Keystone	Above Keystone	Totel	South Platte River direct	Lodgepole Creek	e
(3)	(4)	(5a)		(1)	<u> </u>	(2a)	(2b)	<u> </u>	(3a)	<u>(3b)</u>	ļ	(1a)	(2)	4
73 41,489 22,464 1.85 1.86 1.24	24 13,622 6,928 1.97 2.02 ( <sup>3</sup> )	37 560 4,333 0.13 0,13 ( <sup>3</sup> )	3,950 2,529,371 744,013 3.40 3.48 1.93	3,126 1,096,728 348,481 3,15 3,22 2,30	244,467 55,837 4.38 4.43	154,431 37,208 4.15 4.20	4.83	369 1, 188, 176 339, 695 3, 50 3, 59 1, 63	73 61,351 40,134 1.53 1.61 0.95	296 1, 126, 825 299, 561 3. 76 3. 85 1. 75	263 123,266 43,538 2.83 3.45 1.50	133 51,961 26,015 2.00 2.71 0.97	4.07	5 3
31 8,417 3 220	16 1,236 1 45	36 4,183	456 53,962 801 101,762	335 22,095 676 53,316	2,180	16 987 47 3,307	20 1,193 24 1,317	85 29,687 54 43,822	24 8,581 11 25,223	61 21,106 43 18,599	42 16,090 41 5,827	23 13,289 29 4,168	19 2,801 12 1,659	L
14 11,679 19 2,000 6 148	5,629 1 3 1 15	1 150	1,916 486,426 565 94,104 212 7,759	1,601 245,312 395 23,442 119 4,316	32,409 104 14,948 53	122 29,487 61 2,655 25 772	69 2,922 43 12,293 28 904	124 208,705 66 55,714 40 1,767	16 5,464 14 645 8 221	108 203,241 52 55,069 32 1,546	97 13,187 62 6,742 21 1,692	54 6,373 18 1,462 9 723	43 6,814 44 5,280 12 969	
72 41,489 22,364 1.86	23 13,622 6,728 2.02	37 560 4,333 0,13	3,770 2,480,104 726,321 3.42	3, C58 1,071,429 340,410 3.15	242,247	264 153,231 36,780 4.17	178 89,016 18,399 4.84	270 1,166,428 330,732 3.53	38 55,840 38,165 1.46	232 1,110,588 292,567 3,80	227 105,911 35,726 2,96	105 37,993 19,196 1.98	122 67,918 16,530 4.11	
100 100 0,00	1 0 200 0.00	· · · · · · · · · · · · · · · · · · ·	209 49,267 17,692 2,78	75 25, 299 8, 071 3, 13	14 2,220 658 3.37	8 1,200 428 2.80	6 1,020 230 4,43	120 21,748 8,963 2.43	35 5,511 1,969 2.80	85 16,237 6,994 2,32	40 17,355 7,812 2,22	31 13,968 6,819 2.05	9 3, 387 993 3, 41	2
		· · · · · · · · · · · · · · · · · · ·	14 489,106 312,045 1.57	3 101,565 87,900 1,16	1 10,283 10,283 1.00		1 10,283 10,283 1,00	10 377,258 213,862 1.76		10 377,258 213,862 1,76	• • • • • • • • • • • •			2: 2: 2: 2: 2:
	••••••	•••••	15 213,148 247,799	7 92,955 12,980	21,479 21,202	2 21,479 21,202		6 98,714 213,617	1 4,800 5,500	5 93,914 208,117	1 29 2,245		1 29 2,245	2
70 11,789 63 10,045	23 1,443 20 1,350	37 4, 333 37 4, 333	4,062 279,228 3,761 270,937	3,193 225,768 2,996 218,373	465 24,352 449 24,257	279 16,006 267 15,931	186 8,346 182 8,326	404 29,108 316 28,307	107 3,458 66 3,458	297 25,650 250 24,849	263 30,230 235 27,668	132 15,207 130 15,207	131 15,023 105 12,461	3
2 2 84	·····		56 65 3,225	33 37 1,106	12 12 389	5 5 164	7 7 225	11 16 1,730		11 16 1,730	10 13 690	6 7 508	4 6 182	31
63 10,046 3 980 4 763	20 1,350 1 33 2 60	37 4,333	3,927 271,237 31 2,888 104 5,103	3,074 218,673 23 2,351 96 4,744	462 24,257 2 75 1 20	277 15,931 2 75	185 8,326 1 20	391 28,307 6 462 7 339	107 3,458	284 24,849 6 462 7 339	241 27,868 17 2,196 5 166	132 15,207	109 12,661 17 2,196 5 166	40
69 11,689  1 100	22 1,243  1 200	37 4, 333	3,711 268,642 7 195 296 180 10,095	3,047 221,259 2 96 50 68 4,363	439 23,861  13 491	262 15,745  7 261	177 8,116  6 230	225 23,522 99 246 99 5,241	31 1,489  35 1,969	194 22,033 5 99 246 64 3,272	220 24,868 2 225 116 36 5,021	100 10,680 225 116 28 4,186	120 14,188  8 835	46 47 48 49 50
5 4 14	2 4 10	4 5 10	164 146 647 1,251	76 94 477 1,017	13 14 108 163	10 4 52 100	3 10 56 63	75 38 62 71	41 9 13 18	34 29 49 53	5 8 20 45	2 5 12 21	3 3 8 24	5
10 16 15 5 1	3 2 2	3 6 8 1	976 719 145 12 2	791 611 119 8	116 47 3 1	75 35 2	41 12 1	69 61 23 3	16 10	53 51 23 3 2	61 84 36 3 1	28 44 19 1	33 40 17 2	5

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#### 10-44

#### 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]

	enterpris	es is counted for	each enterprise_				
				Missouri Riv	er excluding Plat	te River (VI-C)	
				1	Kansas River		
		The State			Banubl	ican River	
	Item	(Mississippi				Tcan niver	Niobrara
	(For definitions and explanations, see text)	River) <sup>1</sup>	Total <sup>1</sup>	Total <sup>1</sup>	Total <sup>1</sup>	Republican River direct above Harlan County Dam	River
			<u> </u>			(2c)	(3)
	MULTIPLE-FARM ENTERPRISES, 1950						
1 2	Multiple-Iarm enterprises, total number <sup>2</sup> enterprises. Area irrigated directacres.	68	9	5	5	4	3
23	Multiple-purpose enterprises <sup>2</sup> enterprises.	508, 161 4	30,068	13,908	13,908	12,284	10,675
4	Area irrigated directacres Complete. system enterprises <sup>2</sup> enterprises	83,062	···································		·····		
6	Area irrivated direct.	185,859	29,893	13,908	13,908	12,284	10, 500
7	Enterprises by origin of water supply: <sup>2</sup> No water from other enterprisesenterprises reporting.	49	9	5	5	4	3
8 9	acres irrigated Part of water from other enterprisesenterprises reporting	207,665	30,068		13, 908		10,675
10	acres irrigated	150,791		1			
11 12	All water from other enterprisesacres irrigated	149,705					····
13	Enterprises by delivery of irrigation water: <sup>2</sup> No water deliveredenterprises reporting.	]					
14	Water delivered direct to farms onlyenterprises reporting	49	5	4	4	4	•••••
15 16	acres irrigated Water delivered to famms and to other enterprisesenterprises reporting	218,108 17	17,769	12,284	12,284	12, 284	
17 18	acres irrigated Water delivered to other enterprises onlyenterprises reporting	290,053	12,299	1,624	1,624		10,675
	Enterprises by primary and supplemental irrigation;3	· · ·					• • • • • • • • • • • • • • • • • • • •
19 20	All primaryacres irrigated	41 318,001	8 27,337	11,177	4 11, 177	3 9, 553	3 10,675
21 22	Part primary, part supplementalenterprises reporting Primary irrigation	25 179,873	1 2, 420	1 2,420	2, 420	1 2, 420	
23 24	Supplemental irrigation	10,287	311	311	2, 420	2, 420	•••••
24 25	All supplementalacres irrigated						
26	Enterprises by number of farms irrigated direct: <sup>2</sup> Noneenterprises reporting			1			
27 28	1-3enterprises reporting. 4-9enterprises reporting.	7	2				2
29	10-29enterprises reporting.	17	1	2	2	2	•••••
30 31	30-99enterprises reporting. 100-299enterprises reporting.	18 10	3	2	2	2	•••••
32	300-999enterprises reporting.	5					
33	1,000 or more Enterprises by acres Irrigated direct: <sup>2</sup>	1		•••••			• • • • • • • • • • • • • • • •
34 35	Noneenterprises reporting. 1-99 acresenterprises reporting.	2					•••••
36	100-999 acresenterprises reporting	17	3	2	2	2	1
37 38	1,000-2,999 acresanterprises reporting. 3,000-9,999 acres	16 19	22				
39 40	10,000-29,999 acres	8	1		•••••		1
41	Quantities of water reported, 1949: Total obtained from all sources <sup>4</sup> enterprises reporting						
42	percent of all enterprises reporting	65 1	1	(•) 3	3		3
43 44	acre-feet Surface sourcesSurface sources	3,879,942	64,097 7	32,210	32,210	32, 210	22,554
45 46	acre-feet Pumped wells	2,872,477	64,097	32,210	32, 210	32, 210	22, 554
47	acre-feet.	500	•••••				
48 49	Other enterprisesacre-feet	19 1,006,965					
50 51	Conveyance loss <sup>4</sup> acre-feet	65 1,125,438	7	3	3	3	3
	Delivered: 4		16,436	7,984	7,984	7,984	6,119
52 53	Direct to farmsacre-feet	63 950, 477	47,069	3 24, 226	3 24,226	3 24, 226	3 15,843
54 55	To other enterprises To other enterprises reporting acre-feet	17 172, 182	3 592		• • • • • • • • • • • • • • • • • • • •		3 592
56 57	For use other than irrigationenterprises reporting	9			• • • • • • • • • • • • • • • • • •		292
	acre-feet Delivered direct to farms for primary irrigation: <sup>3</sup>	1,631,845			• • • • • • • • • • • • • • • • • •	•••••	•••••
58 59	Enterprises reporting	63 898,262	7 46,553	3 23,710	3 23,710	3 23,710	3 15,843
60 61	Area supplied primary irrigationacres Quantity supplied per acre	492,153	27,503	11, 343	11,343	11,343	10,675
	Delivered direct to farms for supplemental irrigation; <sup>3</sup>	1.8	1.7	2, 1	2.1	2.1	1.5
62 63	Enterprises reportingenterprises Quantity deliveredacre-feet	24 22,066	1 516	1 516	1 516	1	
64 65	Area supplied supplemental irrigation	10, 254	311	311	311	311	•••••
66	Quantity supplied per acre Total quantity per irrigated acre <sup>5</sup> acre.feet	2.2 1.9	1.7	1.7 2.1	1.7 2.1	1.7	1.5
67	Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup> Cost for primary irrigationdollars	1,676,836	58, 106	24,758	24,758	24,758	21,062
68 69	Average cost per acre-footdollars Cost for supplemental irrigationdollars	1.87	1.25	1.04	1.04	1.04	1,33
70	Average cost per acre-footdollars	27,099 1.23	1,243 2.41	1,243 2,41	1,243 2.41	1,243 2.41	
71	Measurement of water to farms, 1949: <sup>3</sup> No water measured	47	6	4	a	2	
72 73	acres irrigated Part of water measuredPart of water measured	123,101	17,314	11,654	11,654	11,654	175
74	acres irrigated	6 40,086			· · · · · · · · · · · · · · · · · · ·		
75	All water measured	11 265,041	10,500				1 10,500
	ee fontnotes at and of Diminage Basin Table 1 Part 4						

See footnotes at end of Drainage Pasin 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]

Platte River excluding South Platte River (VI-D)								South Platte River (VI-E)	
				North Platte River (North Platte River direct)					
Item (For definitions and explanations, see text)	Total <sup>1</sup>	Platte River direct	Loup Hiver, Lotal I	Total	Below Keystone	Above Keystone	Total <sup>1</sup>	South Platte River direct	
		(1)			(3a)	(3b)		(1a)	
MULTIPLE - PARM ENTERPRISES, 1950 Multiple-farm enterprises, total number <sup>2</sup> enterprises Area irrigated direct	464,785	9 122,713 3 83,062	3 31,485	42 310,587 1	8 36,676 1	34 273, 911	5 13, 308	Э 10,808	
Complete-system enterprises <sup>2</sup> Area irrigated directares. Enterprises by origin of water supply: <sup>2</sup>	145,788	35,200	21,202	33 89, 386	36,676	26 52,710	10,178	9,923	
No water from other enterprisesenterprises reporting. acres irrigated. Part of water from other enterprisesenterprises reporting. acres irrigated. All water from other enterprises	165,174 15 150,791	3 53,562 6 69,151	31,485	30 80,127 9 81,640 3	7 36,676 1	23 43, 45) 81, 640 3	4 12,423	9,923	
Enterprises by delivery of irrigation water: <sup>2</sup> acres irrigated. No water delivered	148,820			148,820		148,820	885	885	
Water delivered direct to farms onlyenterprises reporting. acres irrigated. Water delivered to farms and to other enterprisesenterprises reporting. acres irrigated.	40 189,276 12 275,509	4,071 7 118,642	21,202 1 10,283	36 164,003 4 146,584	7 36,676	29 127,327 4 146,584	4 11,063 1 2,245	3 10, 808	
Water delivered to other enterprises onlyenterprises reporting. Enterprises by primary and supplemental irrigation: <sup>3</sup> All primaryenterprises reporting.	2	4	2	2 24	1	1 17		2	
acres irrigated Pert primary, pert supplemental Primary irrigationacres irrigated Supplemental irrigation	22 168,183	73,245 5 45,810 3,658	27,685 1 3,633 167	188, 371 16 118, 740 3, 476	36,676	151,695 16 118,740 3,476	1,363 2 9,270 2,675	1,108 1 7,183 2,517	
All supplemental integration enterprises reporting. Enterprises by number of farms irrigated direct; <sup>2</sup>									
Noneenterprises reporting. 1-3enterprises reporting. 4-9enterprises reporting. 10-29enterprises reporting.	4 5 16	1 2	i	2 4 3 14	1 1 2	1 3 3 12	i 1 1	1	
30-99enterprises reporting 100-299enterprises reporting 300-999	94		1 1	12 4 2 1	3 1	9 3 2 1	$ \begin{array}{c} 2 \\ \dots \\ 1 \\ \dots \\ \end{array} $	1	
None.	1 12 12 16 7	2 1 3 2	1	2 9 11 13 3 3	1 1 1 4 1	1 1 10 9 2	2 2 1	1 1 1	
Quantities of water reported, 1949: Total obtained from all sources <sup>4</sup> percent of all enterprises reporting acre-feet	53 1 3, 77 5, 070	9 (*) 1,514,054	3 1 45, 182	41 9 2, 215, 834	8 7 977,380	33 10 1,238,454	5 2 40,775	3 2 35,767	
Surface sourcesacre-feet acre-feet Pumped wellsacre-forma	2,771,891 1 500	9 1,505,987	45, 182	38 1,220,722 1 500	895,880	30 324,842 1 500	36,489	31, 481	
Other enterprises		6 8,067 9		12 994,612	1 81,500 8	11 913,112 33	1 4,286	4, 286 3	
Delivered;4 Direct to farms	1,095,511	338,624	17,032 3	739,855	194,224 7	545,631 32	13, 491	11,716	
acre-feet. To other enterprisesTo other enterprises reporting. acre-feet.	877,124 13 170,590	165,868 7 95,083	27,200 1 950	684,056 5 74,557	63,523 1 8,067	620,533 66, <b>49</b> 0	25,284 1 1,000	24, 051	
For use other than irrigationenterprises reporting. acre-fect. Delivered direct to farms for primary irrigation: <sup>3</sup>	1,631,845	914, 479	•••••	717,366	3 711, 566	5, 800			
Enterprises reportingenterprises. Quantity deliveredacre-fect. Area supplied primery irrigationacre Quantity supplied per acre Delivered direct to farms for supplemental irrigation: <sup>3</sup>	832,754 454,017 1.8	158,282 119,055 1,3	27,073 31,318 0,9	39 647,399 303,644 2.1	63,523 36,676 1.7	32 583,876 266,968 2.2	18,955 10,633 1.8	16, 854 8, 291 2,0	
Enterprises reportingenterprises. Quantity deliveredacre-feet. Area supplied supplemental irrigationacres. Quantity supplied per acreacresacres.teet. Total quantity per irrigated acre <sup>5</sup> acre-feet.	15,962 7,268 2.2	5 7,586 3,658 2,1 1,3	1 127 167 0.8 0.9	15 8,249 3,443 2,4 2,2	1.7	15 8,249 3,443 2,4 2,2		1 5,456 2,517 2.2 2.8	
Cost for primary irrigation	1,607,244 1.93 23,528	390,225 2,47 13,542	145,520 5.38 679	1,071,499 1,66 9,307	49,136 0.77	1,022,363 1,75 9,307	11,486 0.61 2,328	5,804 0.34 1,912	
Average cost per acre-footdollars Measurement of water to farms, 1949: <sup>3</sup> No water measuredacres irrigated	1. 47 39 105, 309	1.79 6 39,933	5.35 1 250	1. 13 32 65, 126	6 18,651	1.13 26 46,475	0.42 2 478	0.35	
Part of water measuredenterprises reporting acres irrigated. All water measuredenterprises reporting	30, 386 8	2 12,380	2	18,006 6	13,025	4,981 6	2	9,700	
acres irrigated	251,411	<u> </u>	31,235	220, 176		220,176	3,130	88	

Not available. <sup>1</sup>Pata for less than 3 enterprises in basins VI-C-2d, VI-C-4, VI-D-2a, VI-D-2b, and VI-D-2 are included only in totals. <sup>2</sup>For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin <sup>1</sup> Or Interbasia and interstate enterprises, data represent characteristics within the drainage basin or State.
<sup>3</sup> For interbasin and interstate enterprises, data represent characteristics of the cative enterprise.
<sup>4</sup>! or interbasin and interstate enterprises, data represent characteristics of the cative enterprise.
<sup>5</sup> (alculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

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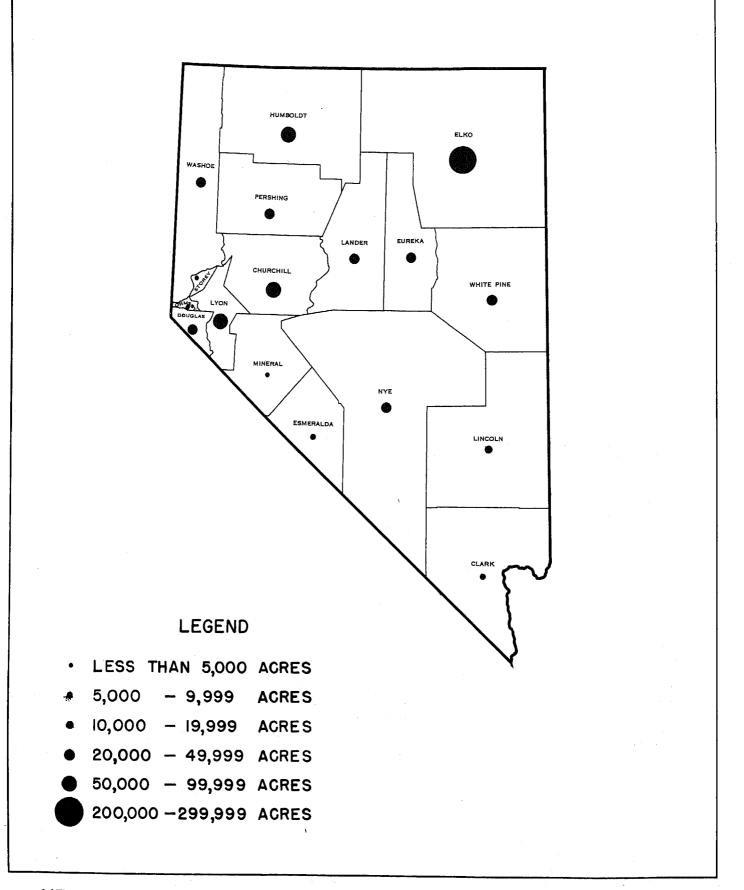
# NEVADA

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NEVADA: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949

#### State Table 1.-IRRIGATION SUMMARY: 1890 TO 1950

		All land	Irrigated	Irrigated acrea	ge reported by-	Irrigation	Total capital investment in
Census year	All farms <sup>1</sup> (number)	All land in farms <sup>1</sup> (acres)	farma i 2 (number)	Farms <sup>1</sup> (acres)	Irrigation enterprises (acres)	enterprises (number)	irrigation enterprises (dollars)
1950	3,110 3,429 3,573 3,696 -3,442 3,163 2,609 2,184 1,277	7,063,525 6,178,004 3,785,106 3,621,769 4,080,906 2,357,163 2,714,757 2,565,647 1,661,416	2, 819 3, 072 3, 264 2, 927 3, 031 2, 718 2, 406 1, 906 1, 167	727, 498 674, 204 <sup>3</sup> 755, 636 <sup>4</sup> 253, 286 <sup>5</sup> 390, 192 (**) (**) (**) 504, 168 224, 403	722,896 (*) 739,863 (*) 486,648 561,447 701,833 (*) (*)	1, 178 (*) 1, 464 (*) 1, 245 1, 015 1, 347 (*)	20, 181, 476 (*) 16, 906, 790 (*) 15, 457, 931 14, 754, 280 6, 721, 924 1, 537, 559 1, 700, 975

Not available.
 Available data not comparable.
 <sup>1</sup>Census of Agriculture.
 <sup>2</sup>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, and/or irrigated pasture, 1940 Census; farms reporting irrigated cropland harvested, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.
 <sup>3</sup>Irrigated land from which crops were harvested plus 324,893 acres of irrigated land used only for pasture.
 <sup>4</sup>Irrigated land from which crops were harvested.
 <sup>5</sup>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		Censu		
(For definitions and explanations, see text)	1950	1940	1930	1920
Enterprises	1, 178	1,464	1, 245	1,015
Enterprises by type: Single-farm	1.021	1,362	1,198	(*)
Nutual:	1,021	1,002	1,190	
Unincorporatednumber Incorporatednumber.	90	38	32	( (*)
Commercial,	47	39	i 3	(*)   · · · · (*)
Districtnumber.	4	2	<i></i>	(•)
U.S. Bureau of Reclamation <sup>1</sup> number U.S. Bureau of Indian Affairsnumber	14	.3	1	(*)
Statenumber.	14	14	3	6
Citynumber Other				(*) <sup>1</sup>
rrigated land, total <sup>2</sup> ,	722,896	739,863	486,648	561,447
creage irrigated, by type of enterprise;?	1		<b>,</b>	
Single-farm	445,409	438, 996	316, 918	355,901
Unincorporated,	92,964	P5,039	32,267	69.877
Incorporated	(5) 74, 197	<sup>4</sup> 144,914 ( <sup>4</sup> )	D	
Commercial,	96,547	67,940	5,855	5,990 80,000
U.S. Bureau of Reclamation <sup>1</sup> ,,acres.,		69, 345	54,040	41, 324
I.S. Eureau of Indian Affairs	17,580	17,607 6744	6, 148	5, 321 12
City			220	22
Other		(6)	71,200	
creage irrigated, by source of water: ? 7				
Streams (and lakes)	690,956 158,221	742,658	399,790 61,987	493,011 21,987
Flowing wells	17, 196	5,343	3,583	950
Pumped wells	62,503 1,022	(5) 12,265	4, 554	5,317
Sewageacres. Other and not reportedacres.	10,906	22,938	21.445	45, 190
rrigated land artificially drainedacres	123,059	94,450	126,249	34, 175
rrigated land in need of drainageacres	81,371	21, 153	26, 348	98,249
rrigation works:	1.00	1	1 640	1 1 1 1 1 1
Diversion damstotal number, Reservoirs	4,065	1,896	1,640	1,523
Total capacity (reported)acre-feet	687,179	696,005	529,369	504,428
Peservoir damstotal number Canals and ditchestotal length, miles	202 3, 388	122	118	4, 368
Pipe lines,total length, miles.	123	105	91	33
Flowing wellsnumber	290	322	274	123
Pumped wells	254	167	(*) 147	(*)
Pumps	289	196	173	7:
Average pumping lift from all sourcesfeet apital investment, totaldollars	(*) 20, 101, 476	31 16, 906, 790	31 15,457,931	22 14,754,280
pital investment by type of enterprise:				
Single-farm	4,089,082	2, 350, 895	1,530,708	4,014,570
Mutual: In incorporated,	1,063,499	828.733	[]	
Incorporated	3, 155, 108	42,776,276	936,400	1,019,047
Commercialdollars.	(5)	(4)	227,000	340, 559
Pistrict,	1,148,754 8,838,237	888,934 8,838,237	7,767,759	1, 246, 611 7, 953, 537
U.S. Bureau of Indian Affairsdollars	1,869,586	1_206, 505	360,214	178,536
Statedollars	17,210	17,210	11,060	t, 000 420
Citydollars Other			1,624,850	420

\*Not available. <sup>1</sup>For 1950, not including flureau of Reclamation projects operated by water users, which are classified under other types of enterprises. <sup>2</sup>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" ir-rigation not differentiated. (See text.) <sup>2</sup>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 both "primary" and "supplemental" enterprises is included for each type of enterprise, or from more than 1 source is included for each; for 1940, acreage re-ported by both "primary" and "supplemental" enterprises is included with "Incorporated" enterprises in 1940 Cansus. <sup>5</sup> Pata for less than 3 enterprises not shown separately. <sup>6</sup>Pata for 2 "Other" enterprises included with "Stored storm water" with "Storeams and lakes"; "City water" and "Other mixed" with "Other and not reported." <sup>1</sup> For 1940, acreages reported by less than 3 enterprises for "Lakes, pumped", "City water", and "Sawage" 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]

	Type of enterprise											
			Mut	uel			All or	Common =				
Item (For definitions and explanations, see text)	All types	Single- farm	Unincor- porated	Incor- porated	District	U.S. Bureau of Reclamation <sup>1</sup>	part of water from U.S.B.R. projects 2 3	Commercial, Indian, State, city, and other				
ENTERPRISES: FARMS AND LAND IRRIGATED												
Number of enterprises	1,178 1,464 2.7	1,021 1,362 1.0	90 38 4, 3	47 39 16.3	4 2 164.0	3	26 (*) 15.3	1 2 23.				
area irrigated direct	731,708	445,409 438,996	92,964 85,039	74,197 144,914	96,547 67,940	69,345	46,928 (•)	22,59 18,35				
acres 1939. Average per enterpriseacres 1949.	824,585 621	436,990	1,033	1,579	24,137		1,805	1,41				
CHARACTERISTICS OF ENTERPRISES, 1949 ultiple-purpose enterprisesenterprises	8	• • • • • • • • • • • • • • • • • • • •	1	5	1		2 3,124	1,44				
Area irrigated direct	93,645 1,042	966	178 44	6,428 19	85,599							
Area irrigated directacres nterprises by origin of water supply:	564,245	416,905	29,345	16,392	85,599			16,0				
No water from other enterprisesenterprises reporting. acres irrigated. Part of water from other enterprisesenterprises reporting.	1,050 574,586 59	972 421,102 31	42 27,680 14	21 17,057 12	3 92,743			16.0				
acres irrigated	50,626	20,123	9,685	15,807			23,082	5,0				
All water from other enterprisesenterprises reporting acres irrigated	69 106,496	18 4,184	34 55,599	14 41,333	3,804		23, 846	1,5				
Interprises by delivery of irrigation water: No water delivered	2 1,147 598,661	1,015 441,212	83 86,069	33 48,556	1 3,804		17 26,226					
Water delivered to farms and to other enterprisesarres irrighted.	24 133,047	4, 197	5 6.895	12 25,641	2 92,743		9 20,702	3,5				
Water delivered to other enterprises onlyenterprises reporting	5		2	2	1							
hterprises by primary and supplemental irrigation: 4 All primary	1,146 692,961	1.013 443,918	77 63,118	37 66,787	3 96,547		23 44, 379	22,5				
Part primary, part supplementalenterprises reporting	18	1	11	6	]		2,468					
Primary irrigation,	29,935 7,548	20 207	22,689 7,157	7,226	· · · · · · · · · · · · · · ·		2,400.					
All supplementalacres irrigated	5 1,264	5 1,264			· · · · · · · · · · · · · · · · · · ·							
nterprises by number of faims irrigated direct: Noneenterprises reporting	7	2	2	2	1							
1-3enterprises reporting. 4-9enterprises reporting.	1,065 60	1,001	53 28	7			5					
10-29enterprises reporting 30-99enterprises reporting	31 12		7	18	1		65					
100-299enterprises reporting	2			1			1	,				
300-999	1				1		•••••					
Interprises by acres irrigated direct: Noneenterprises reporting,	7	.2	. 2	2	1							
1-29enterprises reporting 30-99enterprises reporting	227 225	226 218	15	2								
100-499enterprises reporting	414	367 99	32 25	7			. 8					
500-999enterprises reporting 1,000-2,999enterprises reporting.	136 120	81	19	. 15			8					
3,000-9,999	43 5	25 3	5	9	2		6					
30,000 or more	ĩ				1							
USE OF SURFACE, GROUND, PUMPED AND STORED WATER, 1949	0.7.7			47			26					
Gravity onlyacres irrigated.	975 654,415	822 371,077	88 90,696	74, 197	96,547		46,928	21,				
Pumped onlyacres reportingacres irrigated	18 8,065	18 8,065										
Gravity and pumpedacres reporting acres irrigated	11 6,725	11 6,725										
round water only (pumped from wells)enterprises reporting acrem irrigated	80 2,975	79 2,913	1 62									
urface (gravity or pumped) and groundenterp::=«% :eporting acre% irvigated	94 59,528	91 56,629	1 2,206									
tored water: None stored	948	867	52	19			1					
acres irrigated Part storedenterprises reporting.	413,960 184	357,283 119	32,184 32	16,129 24			26					
acres irrigated	282,470	80,162	44.796	46,738	96,54		23,082					
All storedacres reportingacres irrigated	46 35,278	35 7,964	15,984	11,330	1		23,820	1				

•Not available. <sup>1</sup>Data for less than 3 U.S. Bureage of Reclamation enterprises operated by water users are included only for other types of enterprises and for "All types." <sup>2</sup>These enterprises also included under "District" or other types of enterprises as the case may be. <sup>3</sup>Single-fam enterprises receiving water from Bureau of Reclamation not included. <sup>4</sup>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]

				Type of ente	rorise			
			Mut	ual				
Item (For definitions and explanations, see text)	All types	Single- farm	Unincor- orated	Incorp- orated	District	U.S. Hureau of	All or part of water from U.S.B.R. projects <sup>2</sup> <sup>3</sup>	Commercial, Indian, State, city, and other
SOURCES OF SURFACE WATER, 1949 <sup>4</sup>								
Streams (and lakes)enterprises reporting	879	731	89	39	4		26	16 22, 591
acres irrigsted Springsenterprises reporting.	690,956 328	410,537 315	92,902	68,379 11	96, 547		46,928 1	2
acres irrigated Flowing wellsenterprises reporting	158,221 85	141,938 85	•••••	11,134			4,008	5,149
acres irrigated Drainage waterenterprises reporting	17,196 24	17,196 19						
acres irrigated	10,906	2,959	2,675	5,272			7,387	
Sewageenterprises reporting acres irrigated	1,022	3 1,022		· · · · · · · · · · · · · · · · · · ·			•••••	
Other sourcesenterprises reporting acres irrigated		·						
DRAINAGE OF IRRIGATED LAND, 1949								
Irrigated land drained: Enterprises reportingartes supplied primary irrigationartes	77 209, 306 123, 059	31 25,182 15,045	24 47.636 26,570	19 49,409 30,145	1 85,599 50,599		15 32,830 17,703	1,480
Irrigated land in need of drainage: Enterprises reportingenterprises	130	98	14	13	1		9	
Area supplied primary irrigationacres Area in need of drainageacres IRRIGATION WORKS, 1950	232,669 81,371	84,712 7,401	25, 631 9, 197	30, 172 7, 944	85,599 50,599		28,568 8,634	6,55 6,23
Diversion dams	891	772 3,905	75 90	31 40	2		22 23	1
Diversion dams by material:	4,065			18			11	
Concrete or masonrydams Timberdams	348 256	300 241	20 9	1	د 		12	
Earth and rock	2,953 508	2,889 475	45	15	۱ ۱			1 1
Reservoirsreservoirs	139 202	132 192	1	2				
Reservoirs for which capacity was reported	176	166 37,330	Î 600	3 44, 500	4 559,149			45.6
total capacity, acre-feet Reservoirs by capacity:	607,179		000	44, 500				
1-99 acre-feetreservoirs. 100-999 acre-feet	135 24 17	135 22 9	1	1 2	4			
Reservoir dams by material: Concrete Ji alusonry,	8 174	6 167						
Earth and rock	20	19		1 44			26	
Canals and ditchestotal length, miles	721 3, 388	571 1,979	362	444	329		213	2
Pipelines and siphonsenterprises reporting	75 123	66 104	5		10	)		1
Tunnelsenterprises reporting	$12 \\ 23,277$		11,440			l	15.077	
total length, feet Flowing wells	P5	85			1			
wells Pumped wellsenterprises reporting	290 173	290 169	2					1
wells. Wells for which pumping lift was reportedwells	254 225	249 220	3					
Avanage pumping lift	51 200	52 196	22					
Irrigation pumps.	289	284	3					
Electric motors used for pumpingenterprises reportingelectric motors.	1-1	125						
Other motors and engines used for pumping,enterprises reportingother motors and engines	99 153	97 150						
SEASON OF IRRIGATION, 1949			2					
Water delivered only before July 1enterprises reporting acres irrigated	95 72,993	92 67,666	2,365			4		2.9
Water delivered before and after July 1enterprises reporting acres irrigated	1,046 646,947	892 365,975				7	46,928	19,6
Water delivered only after July 1enterprises reporting. acres irrigated.	14	14						
CAPITAL INVESTMENT, 1950 AND 1940								
Capital investment in irrigation works and water rights to Jan. 1, 1940	16,906,790	2, 350, 895				4 8,838.23	7 (*)	1,223,7
New capital investment Jan. 1, 1940 to Jan. 1, 1950: Enterprises reporting	536 3, 274, 686	449 1,738,187	234,766	378.832	259,82	0	1 60 400	663.0
Amount	400,424							1,986.7
Outstanding bonds, construction cost, and other funded								
obligations, Jan. 1, 1950:	21			59,427		4	1,50	1 0 096.
				10 00		7		p 10.1
Area irrighted direct, Arearage in navment of principal or interest on bonds,		1	1		1			
construction cost, and other funded obligations, Jan. 1, 1900.	2				13			179.0
Anount								- 2,0

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•Not available. <sup>1</sup>Data for lass than 3 U.S. Bureau of Reclamation enterprises operated by water users are included only for other types of enterprises and for "All types." <sup>2</sup>These enterprises also included under "District" or other types of enterprises as the case may be. <sup>3</sup>Not including single-farm enterprises receiving water from Bureau of Veclamation projects. <sup>4</sup>Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, <sup>4</sup>Enterprises reporting water from more than 1 source are counted for each. For interstate enterprises, number of enterprises represents characteristics of the entire enterprise, <sup>5</sup>Not 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]

				Type of en	terprise			
		1	Mut	tual	1	Operated by		
Item (For definitions and explanations, see text)	All types	Single- farm	Unincorp- orated	Incorp- orated	District	U.S. Bureau of Reclàmation <sup>1</sup>	All or part of water from U.S.B.R. projects <sup>2</sup> 3	Commercial, Indian, State, city, and other
COST OF WATER TO FARMS, 1949 <sup>4</sup>								
Total cost of water to farms:						1		1
Enterprises reporting	1,169 629,599 731,708 0.86	1,019 160,527 445,409 0,36	88 100,983 92,964 1.09	43 161,148 74,197 2,17	3 184,916 96,547 1.92		26 118,048 46,928 2,51	16 22,025 22,591 0.97
Enterprises by cost per acre: Less than \$1.00enterprises reporting.	878	70.0						
acres irrigated \$1.00-\$1.99	491,233 72	796 414,254 39	57 47,460 21	13 10,416			2, 187	12 19,103
\$2.00-\$4.99	155,838	· 13,335	28,893	20, 395	92,743		9,381	472
acres irrigated.	98 74,298	70 13,409	16,298	18 38,949	3,804		15 35,205	1,838
\$5.00-\$9.99acres irrigated.	40 8,275	35 2,564	96	4,437				1,178
\$10.00 or moreacres irrigated	81 2,064	79 1,847	2 217				1 155	·
Cost of water for primary irrigation:		-			1			5
Enterprises reporting,	.1,164 616,250 722,896 0,85	. 1,014 157,696 443,938 0,36	88 90,749 85,807 1.06	43 160,864 74,013 2,17	3 184,916 96,547 1,92		26 117,858 46,847 2,51	16 22,025 22,591 0,97
Cost of water for supplemental irrigation:								
Enterprises reporting	23 13,349 8,812	6 2,831 1,471	11 10,234 7,157	6 284 .184			3 190 81	
Cost per acre supplieddollars	1.51	1.92	1,43	1.54			2.34	
Cost to farms for purposes other then operation and maintenance: <sup>5</sup> Enterprises reportingenterprises.	7.6		42	28	3		25	3
Costdollars	157,910 228,691 0.69	·····	34,146 65,798 0.52	45,991 63,330 0.73	75,959 96,547 0.79		36,121 46,902 0.77	1,814 3,016 0,60
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup> Enterprises reporting	7 47,717		<i>:</i>	3	3		2	1
Area irrigated directacres.	104, 319	· · · · · · · · · · · · · · · · · · ·	••••	5,805 4,809	38,294 96,547		380 1,989	3,618 2,963
QUANTITIES OF WATER REPORTED, 1949 <sup>5</sup>	ļ					]		
Total obtained from all sources <sup>6</sup> ,enterprises reporting, acre-feet,	157 1,578,171		90 290,832	47 449,915	4 685,137		26 211,784	16 152, 287
Surface sourcesacre-feet,	105 1,190,540		55 121,156	33 265,956	672,990		18 69,364	14 130,438
Pumped wellsacre-feet,	1 i i i		1					130,430
Other enterprises	26 79		26 48	26	1		26	4
acre-fect Conveyance loss <sup>6</sup> enterprises reporting, acre-fect	387,605 136 261,314		169,650 75 34,883	183,959 42 85,913	12,147 3 115,184		142,420 18 19,890	21,849 16 25,334
Delivered: 6 Direct to farmsenterprises reporting.					113,104			
scre-feet.,	152 931, 394		88 242,616	45 291,885	295,540		26 153,871	16 101,353
To other enterprisesenterprises reporting. acre-fect For use other than irrigationenterprises reporting.	25 345, 466		12,813	14 54,740	268,413	•••••	18,018	9,500
acre-feet	39,997		520	13 17, 377	6,000	•••••	5 20,005	16,100
Delivered direct to farms for primary irrigation: Enterprises reportingenterprises.	150		88	43	3		26	. 16
Quantity delivered	835,180 278,958 3.0		225,223 85,807 2,6	227,144 74,013 3,1	295,540 96,547 3.1	•••••	153, 580 46, 847 3, 2	87,273 22,591 3,9
Delivered direct to farms for supplemental irrigation: Enterprises reporting	17		11	6			3	
Quantity delivered	17,893 7,341 2.4		17,393 7,157 2,4	500 184 2.7		•••••	291 81 3.5	
Cost of water to farms for enterprises reporting								
quantity delivered: Cost for primary irrigationdollars.	458, 554		90,749	160,864	184,916		117,858	22,025
Average cost per acre-footdollars Cost for supplemental irrigationdollars	0,55		. 0.40	0,71	0.63	•••••	0.76	0.25
Average cost per scre-foot,dollars	0.59	•••••	10,234 0,59	284 0.57	•••••	•••••	190 0.65	· · · · · · · · · · · · · · · · · · ·
Measurement of water to farms: No water measured,	118		75	29	1		12	13
Part of water measuredenterprises reporting.	103,927		54,870	27,933	3,804	•••••	8,994	17,320
All water measuredenterprises reporting.	10,905	•••••	4,980	2,354	•••••	*****	1,803	3,571
acres.	29 163, 283		12 29,592	13 39,508	3 92,743		12 36,131	1,440

acres. 163,283 ..... 29,592 39,508 92,743 .......... 36,131 1,440 <sup>I</sup>Data for less than 3 U.S. Bureau of Reclamation enterprises operated by water users are included only for other types of enterprises and for "All types." <sup>2</sup>These enterprises also included under "District" or other types of enterprises as the case may be. <sup>3</sup>Not including single-farm enterprises receiving water from Bureau of Reclamation projects. <sup>4</sup>Enenterprises with reported cost of \$0 in 1949 are included. <sup>5</sup>Not reported by single-farm enterprises. <sup>6</sup>For interstate enterprises, data represent characteristics of the entire

## 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]

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			Туре о	water <sup>2</sup>			Acres ir	rigated <sup>2</sup>	
Item	Total complete-	Suri	face <sup>8</sup>	Ground		1	100	1,000	10.000
(For definitions and explanations, see text)	system enterprises <sup>1</sup>	All gravity	All pumped	(pumped weils)	Mixed	to 99	to 999	to 9,999	and over
ENTERPRISES: FARMS AND LAND INRIGATED									
Number of enterprises,farms,farms,	1,042 2.2 564,245 542	858 2.4 497,160 579	13 1,0 7,623 586	77 1,0 2,918 38	94 1.5 56,544 602	425 1.0 14,236 33	492 1,4 167,526 340	120 4.7 257,187 2,143	5 126,0 125,296 25,059
CHARACTERISTICS OF ENTERPRISES Multiple-purpose enterprisesenterprises.	5	5				· <b></b>	3	1	1 85, 599
Area irrigatedacres. Type of enterprise: Single-farmenterprises.	89,831 966	89,831	13			422	1,412	2,820	3 2 2 2
acres,,	416,905	352,781	7,623	2,856	53, 645	14,032	142,988	220,188	39,697
Unincorporated	44 29, 345 19	42 27,077 19				3 204	31 14,636 11 6,426	10 14,505 7	1
acres irrigated	16, 392	16,392				•••••		9,966 	•••••
acres irrigated	1 ( <sup>4</sup> )	······· (*)		•••••		•••••	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	(4)
U.S. Bureau of Reclamationenterprises acres irrigated U.S. Bureau of Indian Affairsenterprises									
acres irrigated, State	16,004				693		3,476	12,528	
acres irrigated. Cityacres ririgated. acres irrigated. acres irrigated.									
Enterprises by primary and supplemental irrigation: 5 All primary	1,033	. 852	13	75	93	423	487	119	1
ncres irrigated Part primary, part supplementalenterprises reporting Primary irrigation	562,690 4 701	496,068 3 681		2,682	56,317 1 20	14,088 1 44	166,119 3 657	257,187	125, 296
Supplemental irrigation	308	101		2	207	48	260		
acres irrigated.		310		236		56	490	•••••	
1-3.       enterprises reporting.         4-9.       enterprises reporting.         10-29.       enterprises reporting.         30-99.       enterprises reporting.         100-299.       enterprises reporting.         300-99.       enterprises reporting.         300-99.       enterprises reporting.         1,000 and over.       enterprises reporting.	1,007 17 9 6 2 1	826 15 9 5 2 1	13	77	91 2 1	424 1	479 6 1	101 10 3 5 1	3 
Enterprises by acreage irrigated:         -1-29	215 210 374 118 - 97 23 4 1	139 167 333 107 88 21 21 2 1	6 3 2 1 1 	50 17 10	20 23 29 11 8 1 2	215 210	374 118	97 23	
USE OF SURFACE, GROUND, PUMPED AND STORED WATER									
Surface water: Gravity only	858 497,160	858 497,160				306 11,017	440 151,076	109 233,586	3 101,481
Pumped onlyenterprises reporting. acres irrigated Gravity and pumpedenterprises reporting. acres irrigated	13 7,623 10 6,246		13 7.623	· · · · · · · · · · · · · · · · · · ·	10 6,246	267 2 80	259 6 1,999	7,097	
Ground water only (pumped from wells)enterprises reporting acres irrigated.	77 2,918			77 2,918		67 1,251	10 1,667		
Surface (gravity or pumped) and groundenterprises reporting acres irrigated	84 50,298				84 50,298	41 1, 621	34 12, 525	7 12,337	23,815
Stored water: None stored	908	749	13	70 2 218	76	377	431 148, 411	97 197-060	39,69
acres irrigated., Part storecPart storecacres irrigated., All stored	397,633 102 160,4C5 32	341,335 77 149,618 32	7,623	2,218 7 700	46,457 18 10,087	12,465 31 1,135 17	48 16,544 13	197.060 22 57,127 1	39,69 1 85,599
acres irrigated.	6,207	6,207				636	2,571	3,000	

<sup>1</sup>"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. <sup>2</sup>Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprises. <sup>3</sup>Surface water includes water from springs and from flowing wells. <sup>4</sup>Thate of less than 3 enterprises not shown separately. <sup>5</sup>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]

			Type of	water <sup>2</sup>	r	Acres irrigated <sup>2</sup>				
Item (For definitions and explanations, see text)	Total complete-	Sur	ace <sup>3</sup>	Ground		1	100	1,000	10,000	
(101 GETTALLINA and CAPARALINAS, SEE LEXL)	system enterprises <sup>1</sup>	All gravity	All pumped	(pumped wells)	Mixed	to 99	to 999	9,999	and over	
SOURCES OF SURFACE WATER <sup>4</sup>										
Streams (and lakes)	752	670	10		72	221	413	113		
acres irrigated Springsenterprises reporting	524, 338 320	464,627 291	7,512		52,199	9,364	146,997	242,681	125,29	
acres irrigated.	152, 599	126,455	ni		26 26,033	130 4,407	153 51,949	36 83,234	13,00	
Flowing wellsenterprises reporting acres irrigated	82 15,951	62 10,661			20 5,290	49 1,291	29 7,830	4 6,830		
Drainage water	19	19				13	6			
acres irrigated., Sewageenterprises reporting	2,319	2,319			· · · · · · · · · i	201	2,118			
acres irrigated Dther sources	1,022	452			570	12	1,010			
acres irrigated.									•••••	
DRAINAGE OF IRRIGATED LAND										
Irrigated land drained:						-				
Enterprises reportingactionanterprises Acreage supplied primary irrigationacres	29 113,802	24 111,154		2	2,520	148	7,650	6,323	99,68	
Acreage artificially drainedacres Irrigated land in need of drainage:	65,719	65,121	•••••	18	580	53	2,477	920	62,26	
Enterprises reporting	108	98	1	1	8	17	66	23		
Acreage supplied primary irrigationacres Acreage in need of drainageacres	183,892 63,757	164,002 61,575	19 19	40	19,831	595 305	28,232	56,457 8,038	98,60 51,09	
IRRIGATION WORKS					-,		1,010	1		
Diversion dams	801	731	4	3	63	255	434	108		
Diversion dams by material:	3,921	3,575	. 8	6	332	530	2,052	1,283		
Concrete or masonrydams,, Timber,	290 238	257 192	1	•••••	32	33	147 112	107		
Earth or rockdams	2,890	2,734	6	42	42 148	389	1,605	843		
Other, mixed, and not reportedenterprises reporting	503	392 110	1		110 18	70 50	188 58	245		
reservoirs	193	161		6	26	71	86	35		
Reservoirs for which capacity was reportedtotal capacity, acre-feet	168 410,585	136 407,248		6 69	26 3,268	62 1,705	74 12,931	31 99,349	296,60	
Reservoirs by capacity: 1-99 acre-feetreservoirs	131	103		6	22	57	53	21		
100-999 acre-feetreservoirs	24	21			3	5	17	2		
l.000 acre-feet and overreservoirs Reservoir dams by material: Concrete or masorry	13	12	• • • • • • • • • • • •	•••••	1	1	4	8		
Earth or rockdams	167	136		6	25	68	75	23		
Other, mixed, and not reported	19 606	18 537			1 49	203	8 314	9 86		
total length, miles Pipelines and siphons	2,711	2,456	27	24	204	435	1,118	761	3	
total length, miles	69 118	48 78	1 1		20 39	28	31 52	9		
Tunnels,enterprises reporting total length, feet	3 3,600	3 3,600	· · · · · · · · · · · · · · · ·	••••			1,000	1 100	2, 5	
Flowing wellsenterprises reporting	82	62			20	49	29	4		
wells Pumped wells	283 160	232	• • • • • • • • • • •		51 82	121	128	34		
wells	235	2		113	120	146	75	13		
Average pumping liftfeet	205 52		· · · · · · · · · · · · · ·	102 45	103	123 45	73 58	8 99		
Irrigation pumps	181 262	23	11 15	76 111	92	117 156	52 85	11 20		
Electric motors used for pumpingenterprises reportingelectric motors.	89	1	6	49	33	61	26 43	1		
Other motors and engines used for pumpingenterprises reporting. other motors and engines.	117 86 136	3	6 4 7	63 24 42	46 55 83	72 48 71	43 28 47	.1 10 18		
SEASON OF IRRIGATION	1.50	4	1	44						
Enterprises reporting and acreage irrigated:			_	-						
Water delivered only before July 1,enterprises reporting acres irrigated Water delivered before and after July 1enterprises reporting.	92 68,285	85 64,092 755	1 127	1 21 68	5 4,045	1,326	48 17,806 432	16 33,271 101	15,6	
acter delivered before and after July 1enterprises reporting. acres irrigated. Water delivered only after July 1enterprises reporting.	918 484, 442 10	755 425,743	11 7,491	68 2,647 4	84 48,561	381 12,588 6	432 146,300 3	216,140	109,4	
acres irrigated	3, 123	462	5	26	2,630	61	432	2,630		
NEW CAPITAL INVESTMENT										
New capital investment Jan. 1, 1940 to Jan. 1, 1950: Enterprises reportingenterprises	472	341	10	59	62	180	222	67		
Amount	2,788,635	1,720,191	15,538	213,876	839,030	383,833	1,328,165 77,129	705,160 145,769	371.4	
Area irrigatedacres INDEBTEDNESS <sup>5</sup>	325, 273	283,660	5,609	2,388	33,616	5,970	11,129	140,105	20,40	
Outstanding bonds, construction cost, and other funded										
obligations, Jan. 1, 1950: Enterprises reportingenterprises.	13	11			2		8	4		
Amountdollars Area irrigatedacres.	1,607,731	1,240,926			366,805		463,770	206,701 9,762	937,2 85,5	
Arrearage in payment of principal or interest on bonds,	99,473	98,780		• • • • • • • • • • • •	693	•••••	4,112	9,762	0010	
construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reportingenterprises	2							1		
Amountdollars	179,154	179, 154		····				179,018	- 1	
Area irrigatedacres	85,014	85,014						2,963	82,0	

<sup>1</sup> "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. <sup>2</sup> Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise. <sup>3</sup> Surface water includes water from springs and from flowing wells. <sup>4</sup> 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. <sup>5</sup> 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].

	, , , , , , , , , , , , , , , , , , ,	Type of water <sup>2</sup>				Acres ir	rigated <sup>2</sup>		
Item (For definitions and explanations, see text)	Total complete- system	Sur	face <sup>3</sup>	Ground	1	1	100	1,000	10,000
	enterprises 1	All gravity	All pumped	(pumped wells)	Mixed	ta 99	to 999	to 9,999	and over
COST OF WATER TO FARMS <sup>4</sup>									
Total cost of water to farms: Enterprises reportingenterprises.	1,040	856	13	77		425	492	119	
Cost	340,917 564,245 0,60	246,041 497,160 0.49	11,177 7,623 1,47	41,355 2,918 14.17	42,344 56,544 0,75	34,866 14,236 2,45	73,303 167,526 0.44	64, 169 257, 187 0, 25	168,579 125,296 1,35
Enterprises by cost per acre: Less than \$1,00,	837	787	3	5	42	282	443	110	
acres irrigated \$1.00-\$1.99enterprises reporting	445,468 37	398,415 23	30 1 2	195 2	46,557 10	10,908 17	153,524 14	241,339	39,697 1
acres irrigated \$2.00-\$4.99	100,265 60	89,438 26	7,097	66 9	3,664 21	471 35	4,423 22	9,772 2	85,599 L
acres irrigated,, \$5.00-\$9.99trigated,,	10,008 32	4,096 11	211	886 14	4,815	1,075 21	6,694 9	2,239	
acres irrigated \$10.00 or more acres irrigated	6,742 74 1,762	4,887 9 324		665 47 1,106	1, 190 14 318	705 70 1,077	2,200 4 685	3,837	·····
Cost of water for primary irrigation: Enterprises reporting	1,037 339,819	855 245,977	13	75 40,818	94 41,847	424 34,715	490 72,356	119 64,169	4 168,579
Area supplied primary irrigationacres Cost per acre supplieddollars.	563,391 0.60	496,749 0.50	7,623	2,682 15,22	56,337 0,74	14, 132 2. 46	166,776 0.43	257,187 0.25	125,296 1,35
Cost of water for supplemental irrigation: Enterprises reportingenterprises.	7	4		2	1	2	5		
Costdollars Area supplied supplemental irrigationacres. Cost per acre supplieddollars.	1,098 854 1.29	. 64 411 0.16	•••••	537 236 2,28	497 207 2,40	151 104 1.45	947 750 1,26		·····
Cost to farms for purposes other than operation and maintenance: 5							_		
Enterprises reportingdollars	15 75,400	15 75,400				<del></del>	8 4, 894	5,002	65,504
Area irrigated	99,022 0.76	99,022 0.76	•••••			· · · · · · · · · · · · · · ·	4,086 1.20	9,337 0.54	85,599 0.77
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup> Enterprises reportingenterprises	3	3						2	1
Amount	43,857 91,382	43.857 91,382	•••••					9,043 5,783	34,814 85,599
QUANTITIES OF WATER REPORTED <sup>5</sup>									
Total obtained from all sources <sup>6</sup> enterprises reporting acre-feet	76 749,038	72 735,657		1 26	. 3 13,355	3 456	50 98,491	21 194, 365	2 455,726
Surface sourcesacre-feet	75 748,671	72 735,316		· ,	3 13,355	2 430	50 98,238	194, 277	455,726
Pumped wellsacre-feet	1 26			1 26		1 26			
Other enterprisesacre-feet	3 341	3 341		••••		· · · · · · · · · · · · · · · · · · ·	2 253	88	
Conveyance loss <sup>6</sup> ,acre-feet	70 178,418	67 176,141	••••	•••••	2,277	2 80	45 14,412	21 35,211	128,715
Delivered: 6 Direct to farms	76	72		l	3	3	50	21	2
Rere-feet To other enterprises	551,840 2	540,736 2		26	11,078	376	82,758	147,713	320,993
acre-feet. For use other than irrigationenterprises reporting. acre-feet.	6,128 7 12,652	6,128 7 12,652					3 1,321	110 4 11,331	6,018
Delivered to farms for primary irrigation:									
Enterprises reportingQuantity delivered	74 473,212	70 462,108		1 26	11,078	3 236	50 82,591	20 124, 472	265,913
Acreage supplied primary irrigationacres Quantity per acre supplied	147,239 3.2	144,278		62 0,4	2,899 3,8	156 1.5	24,485 3.4	36,999 3.4	85, 599 3, 1
Delivered to farms for supplemental irrigation:	3	3	1		ł	· i			
Enterprises reporting	307 101	307 301				140	167 53	· · · · · · · · · · · · ·	
Quantity per acre suppliedacre-feet.	3.0	3,0		•••••	•••••	2.9	3.2		
Cost of water to farms for enterprises reporting quantity delivered:									1
Cost for primary irrigationdollars Average cost per acre-footdollars	213, 121 0, 45	211,839 0.46		730 28.08	552 0.05	841 3.56	14,630 0,18	35,171	162,479
Cost for supplemental irrigation	49 0.16	49 0,16				39 0,28	10		
easurement of water to farms:									
No water measuredacress reporting acres.	71 60,412	68 57,711		1 62	2,639	3 204	47 23,209	21 36,999	
Part of water measuredacresenterprises reporting acres	2 1,069	2 1,069					2 1,069		
All water measuredenterprises reporting	2	2							2

<sup>1</sup> "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, <sup>2</sup>Interstate enterprises are classified according to type of water or acres irrigated for the entire enterprise. <sup>3</sup>Surface water includes water from aprings and from flowing wells. <sup>4</sup>Enterprises with reported cost of 50 in 1949 are included. <sup>5</sup>Not reported by single-farm enterprises. <sup>6</sup>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]

	[1950 data for items shown in italics are bas	1	1	a sample (	of farms.	See text				
, I	Item (For definitions and explanations, see text)	The State	Church- ill	Clark	Douglas	Elko	Esme- ralda	Eureka	Humbaldt	Lander
1	Irrigated farmsnumber 1950	2, 819	621	198	131	374	14	39	132	30
23	1945 Proportion of all farmspercent 1950.	3,072 90,6	580 96.7	262 78,6	126 94,2	418 95,7	12 73.7	41 83.0	160 74.6	38 90.9
4 5	Land in irrigated farmsacres 1950 average per farm, acres 1950	6,422,605 2,278.3	147,943 238.2	30, 547 154, 3	218,072	2,683,615 7,175,4	14,951 1,067.9	398,416 10,215.8	781,448	566,745 18,891,5
6 7	Value of land and buildingsaverage per farm, dollars 1950 average per acre, dollars 1950	37,752 23.07	19,422 101,91	27,009 166,45	52, 413 54, 50	54,927 11,40	212,692 112,97	65,772 8.72	64,403 11.48	130,614 2,94
8 9	Proportion of irrigated farms reporting valuepercent 1950 Proportion of land in irrigated farms for which value was reportedpercent 1950	90 65	96 77	81 85	85	96	93	82 61	62 59	40 94
	Land in irrigated farms according to use, 1949:							01		~
10 11	Cropland harvestedfarms reporting,	2,589 419,251	581 33,859	178 5,473	114 18,820	370 154,991	12	39 21,440	128 43,497	30 15,656
12 13	Cropland used only for pastureacres Cropland not harvested and not pasturedacres.	140,991 47,082	9, R25 7, 324	3,099 2,309	6,876 2,479	29,472 6,287	1,035 713	3,455 250	21,882 2,251	4,041 270
14 15	Woodland pasturedacres. Other pasture (not cropland and not woodland)acres.	61, 246 5, 600, 897	1,608 75,782	503 9,030	20,541 154,893	4,534 2,480,347		1,320	416	1,296 539,182
16	Land pastured, totalacres	2,262	441 86, 215	138	119	359	10,174	370,884	124	29
17	Irrigated land in farmsacres 1949	7 27, 498	P2, 390	12,632	182, 310 51, 564	2, 514, 353 204, 844	11, 209 5, 314	375,659 25,853	728,692 62,063	544, 519 28, 893
19 20	1944 Land irrigated by sprinklers	674, 204 33	43,439	8,280 2	48,982	208,607 2	1,640	26,781	67,950 2	23, 320
21	acres 1949 trrigated land in farms according to use, 1949:	1,435	329	10	684	33	60		16	
22 23	Irrigated cropland harvestedacres	2,573 412,929	579 33,713	177 5,398	113 18,443	370 153,687	12 1,265	39 21,405	127 42,990	30 15,641
24 25	Irrigated pasturefarms reporting acres	1,599 306,370	407 46, 304	121 3,779	114 33,024	140 51,141	11 3,504	18 4, 448	37 18,970	12 13, 102
26 27	Irrigated wild grass pastureacresacres	855 253, 361	77 38,014	27 1,614	85 28,672	117 44, 383	10	16	34 18,703	3,809
28 29	Irrigated tame grass pasturefarms reporting acres	940 53,009	364	99	52	42	4	4, 419	5	- 4
30	Irrigated cropland not harvested and not pasturedfarms reporting	297	8,290	2,165	4, 352	6,758	10 5	29	267	9,293
31	not pastured	8,199	127 2, 37 3	37 414	97	2 16	5 545	•••••	103	1 150
32 33	1-9 acresfarms reporting 10-19 acresfarms reporting	345 262	61 85	45 28	15 5	5	2 2		29 12	
34	20-29 acres	198	60	26	6	13 14		2	6	2
35 36	50-99 acresfarms reporting	423 529	136 150	46 37	5 17	41 75	1	1 3	11	6
37 38	100-199 acresfarms reporting. 200 acres and overfarms reporting.	420 642	83 46	8 8	35 48	39 187	36	9 22	6 61	3 17
39	Irrigated farms by tenure of operator, 1950: Full ownersnumber	2, 184	492	144	97	303	10	29	93	22
40 41	Part owners	345 89	79 5	37 5	23	37 22	1 2	5 2	23 12	6 2
42	Tenantsnumber	201	45	12	8	12	1	3	4	••••
43	Land in wholly and in partly irrigated farms: Wholly irrigated farmsnumber 1950	2,431	572	169	104	335	12	37	123	29
44 45	All landacres 1950., Cropland harvestedacres 1949	5,473,831 381,125	106,390 33,189	24,057 4,632	156.341	2,384,683 134,646	14,548 1,265	396,136 21,164	777,628	565,825 15,596
46 47	Irrigated landacres 1949	636,974	45,872	7,632	48,669	181,286	5,014	25,607	60,957	28,848
48	Partly irrigated farms	388 948,774	49 41, 553	29 6,490	27 61,731	39 298,932	2 403	2 2,280	3,820	920
49 50	Cropland harvested, total	158 38,126	9 670	9 841	10 966	35 20,345		2 276	5 670	1 60
51 52	Irrigated landacres 1949 Irrigated cropland harvestedfarms reporting 1949	90,524 142	36,518	1,959 8	2,895	23,558 35	300	246 2	1,106	45 1
53	Characteristics of wholly irrigated and nonirrigated farms:	31,804	524	766	589	19,041		241	163	45
54	Wholly irrigated farmsAverage acreage per farm:	2,431	572	169	104	335	12	37	123	29
55 56	All landacres 1949 Cropland harvested	2,251.7 156.8	186.0 58.0	142.3 27.4	1,503.3 171.7	7,118.5 401,9	1,212.3 105.4	10,706.4 572.0	6,322.2 348.2	19,511,2 537,8
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards	0,2	0,2	0,3	0.1	0.1	1.6	0,1	0.3	0,2
58 59	Vegetables harvested for sale	0.3	0.1	1.7	34.4	( <sup>1</sup> ) 11.0	3.7	( <sup>1</sup> ) 10.5	0.1 9.6	8,5
60	All hay	138.2	44.1	17.2	137.0	391,5	99.6	559.9	338.9	512,8
61	Full owners and managers	1,958	457	127	79	292	11	29	99 22	23 6
62 63	Part ownersnumber 1950 Tenantsnumber 1950	302 171	73	31		32 11	1	5	2	
64 65	Value of land and buildings per farm	39, 249 29 1	20,376	25,633 54	57,160	53,654 17	212 <sup>(</sup> 92 5	67,268 8	67,611 45	130,614
66	Average acreage per farm: All land	2,202.5	174.4	143.9	ſ	502.0	566.0	300.6	1,366.6	22,818,3
67 68	Cropland harvested	6.7	33.3	143.9	1,103.8	16,6			0.2	16.7
69	trees, and vineyards	0.1	(1)	(1)	0.2	(1)	(1)	(1)	(1)	
70	Small grains (including sorghums)	1.6	(1) 10.0	0.6				•••••		
71	All hayacres 1949., Farms by tenure of operator:	4,6	21.3	0,1		16.2			0,2	16.7
72 73	Full owners and managers	244 14	14 2	49	6	13 2	5	8	39 2	1
74. 75	Tenantsnumber 1950 Value of land and buildings per farm	33 14,041	5 4,243	3 18,889	27,000	2 1,600	10,000	12,000	4 14, 450	5,000
	Irrigated farms and Irrigated land by origin of water, 1949:									-
76	Individually operated supply works and	862	10	50	35	218	14	38	96	29
77 78	acres irrigated 1 other irrigation enterprise1 other irrigated	385,703 75	461	3,993 4	14,901 16	171,981 15	5,314	25, 453	57,341	13,912
79 80	acres irrigated 2 or more other irrigation enterprises,	37,869 39	2,350	236	7,974 14	11,879 10		•••••	42	
81	No individually operated supply works but-	54,888		••••••	19,619	11, 220	•••••	•••••		, , , , , , , , , , , <sup>,</sup> 
82 83	l other irrigation enterprise acres irrigated	1,729 195,003	609 79,579	142 5,164	43 4, 320	128 8,754		1 400	34 4,620	14,981
84 85	2 or more other irrigation enterprisesarms reporting. acres irrigated.	114 54,035		2 198	23 4,750	3 1,010		•••••	1 60	
		34,033		130	7,1.00	1,010			L	

See footnote at end of County Table 1.

# County 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]

=	[1950 data for items shown in italics are bas	ed on repor	ts for only	a sample	of farms.	See text]			r	<b></b>
	Item (For definitions and explanations, see text)	Lincoln	Lyon	Mineral	Nye	Ormsby	Pershing	Storey	Kashoe	White Pine
1	Irrigated farmsnumber 1950	132		48		28	116	9	375	138
23	Proportion of all farms	154 91.0	97.3	66 82.8	87.5	30 63,6	108 92.1	90.0	469 89.3	148 93, 2
- 5	Land in irrigated farmsacres 1950 average per farm, acres 1950	53,066	233,757 726.0	305,445	973.0	20,079 717.1	424, 197 3,656.9	36,184 4,020.4	224,734 599,3	174,430 1,264.0
6 7 8	Value of land and buildingsaverage per farm, dollars 1950 average per acre, dollars 1950	17,472	37,682	4,913	45.98	22,250 139,06	44,874	39,167 6,53	10,487	45,296 36.04
9	Proportion of irrigated farms reporting valuepercent 1950 Proportion of land in irrigated farms for which	116	77	94		71	83	67	96	113
	value was reportedpercent 1950 Land in irrigated farms according to use, 1949:	117	- 55	1	90	16	42	99	95	112
10 11	Cropland harvested.:	129 6,584	301 32,691	43 858	108 11, 295	28 1, 528	116 27,813	9 366	270 21, 180	133 21,905
12	Cropland used only for pastureacres Cropland not harvested and not pasturedacres	4,943	15,820	257 311	4,535	808	5,354 6,275	91 32	15,265	15,233 5,025
14 15	Woodland pasturedacres. Other pasture (not cropland and not woodland)acres.	3, 59 3	13,518 151,443	36 303,707		1,422	3,245 371,780	35,664	8,745 158,473	469
16 17	Land pastured, total	111 32,707	266 180,781	27 304,000	82 85, 533	24.	62 380,379	35,755	298 182, 483	131, 849
18	Irrigated land in farms	12,276	101,585	3,077	25,864	2,830	31,547	535 887	37, 351 56, 562	41,922 46,088
20 21	Land irrigated by sprinklers		19,130	2		1			30, 302 7 70	
22	Irrigated land in farms according to use, 1949: Irrigated cropland harvestedfarms reporting.	129	301	43	108	28	116	•••••••• 9	259	133
23 24 25	acres. Irrigated pasturefarms reporting.	5,930	32, 66 2 242	860 15	11,288	1,454 13	26,803 25	366 8	19,568 264	21,456 50
25 26	acres Irrigated wild grass pasture	6,113 52	67,610 127	2,154	14,447 48	1,327	3,790	153	17,370 172	19, 134 39
27 28	acres. Jrrigated tame grass pasturefarms reporting.	3,867	57,772 170	2,072		1,031	3,362	74 5	11, 147 110	17,726
29 30	acres.	2, 246	9,838	82	1,150	296	428	79	6,223	1,408
31	not pastured	13 233	28 1,313	10 63	10 129	5 49	12 954	1 16	29 413	7 1,331
	irrigated farms by acres irrigated in 1949:	•								•
32 33	1-9 acresfarms reporting. 10-19 acresfarms reporting.	21	23 15	9 15	67	6 3	43	2 2	109 46	e 7
34 35	20-29 acres	13 29	14 44	6 12	7 20	23	4 14	·····. 1	27 38	9 23
36 37	50-99 acres	27 16	64 80	5	25 14	6 2	28 28	1 3	41 67	33 24
38	200 acres and overfarms reporting  rrigated farms by tenure of operator, 1950;	9	82	1	33	6	35		47	34
39 40	Full ownersnumber	104 22	257 17	41 5	99 8	16 7	74 20	9 9	284 41	110 14
41 42	Managersnumber Tenantsnumber	4	9 39	1	3 2	3 2	5 17		10 40	11
43	Land in wholly and in partly irrigated farms: Wholly irrigated farms	113	299	40	102	21	109	q	237	120
44 45	All land	41,696	226, 815 32, 295	5,224 792	84,146 9,531	17,386	386,909 24,108	36, 184	89,208 15,485	160,665
46	Irrigated landacres 1949	11,091	99, 378	931	23,288	2,631	28,627	535	25,846	40,762
47 48	Partly irrigated farms	19 11,380	23 6,942	8 300,221	10 24,830	2, 693	7 37,288		$138 \\ 135, 526$	18 13,765
49 50	Cropland harvested, totalfarms reporting 1949, acres 1949	16 1, 389	2 396	3 96	6 1,764	7 228	7 3,705		33 5,695	13 1,025
51 52	Irrigated landacres 1949 Irrigated cropland harvestedfarms reporting 1949	1,185 16	2,207	2,146 3	2,576	199 7	2,920 7	*******	11, 50 5 22	1,159 13
53	Characteristics of wholly irrigated and nonirrigated farms:	735	367	68	1,757	154	2,695		4,083	576
54 55	Wholly irrigated farms	113	299	40	102	21	109	9	237	120
56 57	All landacres 1949 Cropland harvestedacres 1949.	368.9 46.0	758.6	130.6	825.0 93.4	827.9 61.9	3, 549, 6 221, 2	4,020,4 40,7	$376.4 \\ 65.3$	1,338.9 174.0
	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards	0.3	0.1	0.2	0.3	0.4	0.1	1.3	0.3	0.3
58 59 60	Vegetables harvested for saleacres 1949, Small grains (including sorghums)acres 1949, All terms (including sorghums)	7.7	0.5	7.9	0,4	5.1	0.3 97.8	0.4	0.9 6.3	0.1 21.6
61	All hayacres 1949, Farms by tenure of operator:	37.0	83,4	11,4	81.2	55,0	119.3	34.3 9	57,7	149.8
62 63	Fuli owners and managersnumber 1950 Part ownersnumber 1950. Tenantsnumber 1950.	19	245	35	93 7	14 5	73 19		185 28	97 13
64	Value of Land and buildings per farmdollars 1950.	17,983	37 39,431	1 4,278	2 49,696	2 15,000	17 44,864	39,167	24 43,711	10 47,20P
65	Nonirrigated farmsnumber 1950 Average acreage per farm:	13	9	10	16	16	10	1	45	10
66 67	All landacres 1949 Cropland harvestedacres 1949	207.2 27.2	426,8	174.6	843.3 0.4	159.9 0.2	1,768.1	19,000.0	8,819.1	106.0 6.5
68	Land in bearing and nonbearing (ruit orchards, planted nut trees, and vineyardsacres 1949	(1)	( <sup>1</sup> )	0,2	0.4		(1)		(1)	0.4
69 70	Vegetables harvested for saleacres 1949 Small grains (including sorghums)acres 1949.	•••••							( <sup>1</sup> ) 5.2	0,5
71	All hayacres 1949 Farms by tenure of operator:	27.1	•••••		0.3				3,5	2,5
72 73	Full owners and managers	11	5	1.0	16	12	8 1	1	.318 3	8
74 75	Tenantsnumber 1950 Value of land and buildings per farm	2 10,750	4	1, 500	12,000	4 35,000	1 23,667	120,000	24, 147	2 5,000
	Irrigated farms and irrigated land by origin of water, 1949:					÷				
76	Individually operated supply works and- No other irrigation enterprise	60	16	3	75	15	30	4	78	9] 20, 150
77 78 70	acres irrigated l other irrigation enterprise	8,539 10	5,909	98 •••••	23,410	920	3,328		10,690	30,159 6
79 80 81	acres irrigated 2 or more other irrigation enterprisesfarms reporting. acres irrigated.	799 1 140	11,523		980 •••••		1		1,421	665 1 130
82	No individually operated supply works but-	57	21, 158 259	45			560 75	5	2,061 245	130
82 83 84	l other irrigation enterprise	2,210	259 34,126 31	2,979	1,474	1,838	16,880	241	15,639	1,798
85	2 or more other irrigation enterprisesacres irrigated acres irrigated	58P	28, R69	•••••		72	10,779	•••••	7,540	149

<sup>1</sup>Less than 0.05.

## County Table 2 (Part 1 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 State total. For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county or State, except where otherwise noted]

L	Item (For definitions and explanations, see text)	The State	Churchill	Clark	Douglas	Elko	Esme- ralda	Eureka	Humboldt	Land
	ALL ENTERPRISES									
F	arms and land irrigated: All irrigation enterprises	1, 178		3 76						
	.1940 Intercounty enterprisesIntercounty enterprises 1950	1,464					4 20 6	-	6 137 4 3	
	Irrigated farms <sup>1</sup> farms 1950 Average per enterprisefarms 1950	2,819	621 47.6		13					
	Farms irrigated direct per enterprise <sup>2</sup>	2.7	46.5		1.2					
	Irrigated land <sup>1</sup> acres 1949 acres 1939	722,896 739,863	84,030 56,594		40,483					
	Average per irrigated farmacres 1949	256.4	135.3	50.1	309,0	563.	5 379.0	609.		
	Average per enterpriseacres 1949 Average acreage irrigated direct per enterprise <sup>2</sup> acres 1949	614 621	6,464		378					
T	ype of enterprise, 1950:	621	6,464	130	388	77	5 380	610	623	
	Single-farmenterprises acres irrigated.	1,021 445,409	11 801		68 21,991					
	Mutual:						0,01		00,002	
	Unincorporatedacres irrigsted	90 92,964		(3)	28 12,989	11,743				
	Incorporatedenterprises acres irrigated	47		3	7					
	Commercialenterprises	74, 197	•••••	4,776	2,555					
	acres irrigated	(3)	•••••		(3)					
	Districtenterprises acres irrigated	4 96,547	( <sup>3</sup> )		(3) 2					
	U. S. Bureau of Reclamation									
	acres irrigated U. S. Bureau of Indian Affairs <sup>4</sup> enterprises				1					
	acres irrigated	17,580	1,178	1 302	434	6,603			2 3, 162	
	Stateenterprises acres irrigated									•••••
	Cityenterprises			1						
	acres irrigated e of surface, ground, pumped and stored water, 1949:	•••••		•••••	•••••	••••	••••••			
	Surface water: Gravity only	975								
	acres irrigated. Pumped onlyenterprises reporting.	654, 415 18	83,874	37 7,657	30,361	265 194,771	6 1,887		88 57,328	2
	acres irrigated	8,065		6 113 1	348		1,797		2 5, 301	
	acres irrigated	6,725		200	1,220	•••••		830		
	Ground water only (pumped from wells)enterprises reporting acres irrigated	2,975		25 813	57	2 12	3 134		12 84	
	Surface (gravity or pumped) and ground waterenterprises reporting acres irrigated	94	4	7	9	5	4	2	7	
	Stored water: None storedenterprises reporting	59,528 948	156 8	1,134	9,554	15,968	1,496	1,843	5, 168	10
	acres irrigated Part storedenterprises reporting.	413,960 184	553	68 8,975 8	78 19,011	251 180,023	14 5,314	32 15,250	96 61,771	3.
	acres irrigated All storedenterprises reporting	282,470	83,437	942	28 21,504	18 30,499		6 8,148	13 6,110	
26	acres irrigated.	35,278	40	•••••	1,025	3 229	••••••	387	••••	•••••
	Streams (and lakes)	879	7	21	95	255	9	34	88	
	Springsenterprises reporting	690,956 328	83,820	6,502	39,698	209,316	5, 153	21,739	66,742	33
	acres irrigated	158,221	1 200	7 200	8 1,709	77 73,236	1 10	20 12,262	26 9,547	1
	Flowing wellsenterprises reporting., acres irrigated.	85 17,196	6 210	22 1,487	3		2	3	7	
	Erainage waterenterprises reporting	24		1,487	1,352	•••••	337	2,852	1,662	
:	acrem irrigated Sewageenterprises reporting	10,906	•••••	•••••	1,509		• • • • • • • • • •	·····		
	acres irrigated	3 1,022	• • • • • • • • • • • •	3 1,022	•••••		• • • • • • • • • •			••••
(										
a	inage of irrigated land: <sup>6</sup>	•••••	•••••	•••••	•••••					
1	Irrigated land drained: Enterprises reporting Area supplied prises 1949	77		_	_				1	
	Area artificially drainedacres 1949	209, 306 123,059	83,243 47,565	5 3,899 585	2,070	3,280	1 320		2 7, 300	9
ļ	Irrigated land in need of drainage: Enterprises reporting.	94,450	42,684	20	828 (*)	(*)	250		5, 400	6, 
	Area supplied primary irrigation	130 232,669	2 F3, 229	8 5,809	5 2,734	63 75,326	1	4	2	
	1949.	P1, 371	48,229	2,016	2,734	75,326	250 229	3,602 87	2,740	

#### County Table 2 (Part 1 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 State total. For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county or State, except where otherwise noted]

	enterprises represents characteristics of the entire enterprise, acreage represents acreage within the county of State, except where otherwise holeoj									
	Item (For definitions and explanations, see text)	Lincoln	Lyon	Mineral	Nye	Ormsby	Pershing	Storey	Washoe	White Pine
	ALL ENTERPRISES									
1	Farms and land irrigated: All irrigation enterprisesenterprises 1950	78	64	5	82	19	43	5	130	105
1 2 3	1940 Intercounty enterprises	93 1	74 6	(*) 1	105 2	12	43 1	(*) 1	124 3	143 3
4 5 6	Irrigated farms <sup>1</sup>	132 1.7 2.0	322 5.0 5.8	48 9.6 9.8	112 1.4 1.4	28 1.5 1.6	116 2.7 3.1	9 1.8 1.8	375 2.9 3.7	138 1.3 1.4
7 8	Irrigated land <sup>1</sup> acres 1949 acres 1939.	11,601 11,122	85,909 76,923	4,811 (*)	25,560 29,644	2,841 1,785	32,288 28,965	535 (*)	40,266 46,564	42,959 29,419
9 10	Average per irrigated farmacres 1949 Average per enterpriseacres 1949	87.9 149	266.8 1,342	100.2 962	228.2 312	101.5 150	278,3 751	59.4 107	107.4 310	311.3 409
11	Average acroage irrigated direct per enterprise <sup>2</sup> acres 1949	149	1,453	962	312	151	752	107	314	409
12 13	Type of enterprise, 1950: Single-farmenterprises acres irrigated	73 8,580	30 9,284	4 1,848	80 24,089	16 925	33 - 5,020	4 294	102 12,574	97 32,233
14 15	Mutual: Unincorporatedacres irrigated	( <sup>3</sup> )	19 39,081				6 15,984		14 11,058	( <sup>3</sup> ) 2
16 17	Incorporatedacterprises acres irrigated	4 . 2,830	11 30,003			( <sup>3</sup> ) 2	3 11, 330		12 15,305	5 4, 239
18 19	Commercialenterprises acres irrigated								( <sup>3</sup> )	
20 21	Districtenterprises acres irrigated		3 14,255				( <sup>3</sup> )	( <sup>3</sup> ) 1		
22 23	U. S. Bureau of Reclamationanterprises acres irrigated									
23 24 25	U. S. Bureau of Indian Affairs <sup>4</sup> ,acres irrigated.		1 398	1 2,963	2 1,471	1 260	····		1 433	1 376
26 27	Stateenterprises acres irrigated.									
28 29	Cityenterprises acres irrigated.						• • • • • • • • • •			
	Use of surface, ground, pumped and stored water, 1949:									
30	Surface water: Gravity onlyenterprises reporting	53	51 88, 543	5 4, 811	73 21,723	11 2,150	38 31 <b>,7</b> 69	5 535	112 38,833	81 36,296
31 32	acres irrigated Pumped onlyenterprises reporting	9,701	420	4,011					1	1 85
33 34	acres irrigated Gravity and pumpedGravity and pumped	1 26	1 510		1 200					3 3,739
35 36 37	Ground water only (pumped from wells)enterprises reportingacres irrigated	11 699	4 202		3 448	4			7 233	7 27 5
38 39	Surface (gravity or pumped) and ground waterenterprises reporting acres irrigated	13 1,203	4 3, 346		5 3,189	4 69P	5 565		10 1,743	13 2, 564
40 41	Stored water: None storedacres irrigated	69 7,866	24 10,908	3 1,795	69 17,072	16 2,629	29 4,354	1		80 33,061
42	Part stored enterprises reporting acres irrigated	5 619	36 81,746	1 2,963	9 8, 233	220	3 46	4 528	29 25, 427	19 9,262 6
43 44 45	All storedacres irrigated	4 3,144	4 367	1 53	4 255	17	27,934		1, 191	636
46 47	Sources of surface water, 1949: <sup>5</sup> Streams (and lakes)	45 4, 451	55 92, 435	5 4,811		9 2,758	35 31,680			59 29,162
48 49	Springs	34 9,060	2 104	1 53		5 407	7 814		28 7,158	53 24,044
50 51	Flowing wellsacres irrigated	2 34	2 130		13 4,035	2 12	3 165		13 3,644	4 855
52 53	Crainage wateracres reporting acres irrigated	2 127	2 250		1 500	1 25			11 7,975	
54 55	Sewageenterprises reporting acres irrigated									
56 57	Other sourcesacres irrigated									
	Drainage of irrigated land: <sup>6</sup>									
58 59 60	Irrigated land drained: Enterprises reportingacres 1949 Area supplied primary irrigationacres 1949 Area artificially drainedacres 1949 acres 1939.	1 884 884 (*)	28 59,421 39,324 30,876		3 1,561 140	3	28,378	241		
61 62 63 64	Irrigated land in need of drainage: Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area in need of drainage	8 2, 496	9 17,288		7		6,800		5, 263	610
65	acres 1939	1	1,110		1		_1			

"Not available. Farms 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.) <sup>2</sup>Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise. <sup>3</sup>Data for less than 3 enterprises not shown separately. <sup>4</sup>Thata for less than 3 enterprises shown with permission of the enterprise. <sup>5</sup>Enterprises reporting water from more than 1 source are counted for each. <sup>6</sup>For intercounty and interstate enterprises, data represent characteristics within the county or State.

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#### County Table 2 (Part 2 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 State total. For intercounty enterprises, data represent characteristics within the county or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

	ltem (For definitions and explanations, see text)	The State	Churchill	Clark	Douglas	Elko	Esmeralda	Eureka	Humboldt	Lander
	AIL ENTERPRISES									
1 2 3	lrrigation works: Diversion damsdams 1950 1950 1940.	891 4,065 1,896	5 8 8	20 24 10	93 151	260 1,984		37 184	80 290	31 278
J 4 5 6 7	Diversion dams by material: Concrete or masonrydams 1950 Timberdams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	1,890 348 256 2,953 508	1 	4 3 11 6	80 33 29 62 27	731 71 81 1,533 299		210 14 24 127	206 59 17 180	181 12 15 237
8 9	Heservoirs	139 202	4	7	2 2	22 32		19 7 11	. 34 13 15	14 7 8
10 11 12 13	1940. Reservoirs for which capacity was reportedreservoirs 1950. total capacity, acre-feet 1950. 1940.	200 176 687,179 696,005	14 3 296,612 273,683	15 9 580 1,721	4 2 59,442 83,201	7 18 72,646 74,735	(*)	5 11 117 58	11 15 3,997 4,391	1, 326 (*)
14 15 16	Reservoirs by capacity: 1-99 acre-fect	135 24 17	2 1	8 1	1	7 6 5		11 	10 4 1	6 2 
17 18 19	Concrete or masonrydams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	8 174 20	6	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 	3 26 3			1 13 1	7 1
20 21 22 23 24 25	Canals and ditches	721 3,388 2,897 75 123 105	5 298 442 1 1 16	26 87 39 2 2 2	67 208 119 9 8 8	188 680 708 3 2 10	10 30 2 3 14	15 108 40 4 10 8	63 282 289 5 11 3	24 230 109 3 8 2
26 27 28 29 30	Tunnelstotal length, feet 1950 total length, feet 1950 Flowing wells	12 23,277 85 290 322		1 100 22 26 108	1 2,100 3 3 1	2	2 8	3 32 4		4 4 3
31 32 33 34 35	Pumped wells	225 51	4 7 4 7 20	32 45 38 34 45	11 15 12 15 59	7 9 12 9 47	7 26 7 26 54	2 2 1 2 104	19 27 34 23 60	2 5 1 5 39
36 37 38 39 40 41	, 1939., Jrrigation pumps משמעה 1950. pumping plants 1910. Electric motors used for pumpingenterprises reporting 1950. Belectric motors 1950.	97	4 6 10	22 39 54 42 28 40	32 18 23 23 9 11	30 7 9 11 3 3	30 8 28 8 1 7	(*) 3 3 1	40 20 30 37 13 14	(*) 2 4 1
42 43	Other motors and engines used for pumpingother motors and engines 1950 other motors and engines 1950	90	4	7 8	8	5	7 21	3	8 15	2 4
44 45 46 47 48 49	Season of irrigation, 1949: Water delivered only hefore July lenterprises reporting. acres irrigated. Water delivered hefore and after July lenterprises reporting. acres irrigated. Water delivered only after July lenterprises reporting. acres irrigated.	1,046 646,947 14	13 84,030	68 9, 375 2 35	2 327 103 41,060 1 1	10 10,315 258 194,135 1 2,630	13 4,686	8 2,055 31 21,730	48 36,788 56 28,813 3 24	14 14, 254 19 19, 711
50	rights to Jan. 1, 1940		6,378,327	484,501		2,014, 514	36, 185	218,708	196,575	136,030
51 52 53	Enterprises reporting	536 3,274,686 400,424	178,597	53 209, 266 7, 672	31 182,805 10,895	121 641,569 100,849	7 103,520 1,017	11 101,996 8,516	44 130,681 28,747	23 73,869 17,140
54	Total capital investment Jan. 1, 1950dollars 1950	20, 181, 476	6,556,924	693,767	517,321	2,656,083	139,705	320,704	327 , 256	209,899
55 56 57	Outstanding honds, construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reporting	21 2,973,295 3,934,315	2 1,173,634 1,061,009	3 57,089 15,699	3 9, 267				2 17,979	
58	Area irrigated directacres 1949, Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950;		° 83,229	4,139	1,124				3, 162	••••
59 60 61	Amount	179,154	1 136 82,051		••••••				· · · · · · · · · · · · · · · · · · ·	•••••

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

#### County Table 2 (Part 2 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 State total. For intercounty enterprises, data represent characteristics within the county or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

=	ltem	Lincoln	Lyon	Mineral	Nye	Ormsby	Pershing	Storey	Washoe	White
I	(For definitions and explanations, see text)	.incoin	Lyon	MINCIAL						Pine
1	ALL ENTERPRISES		j –		[ ]					
1 2 3	Irrigation works: Diversion damsdams 1950 Jams 1950 1940	59 149 78	31 41 63	5 6 (*)	56 354 55	10 15 2	28 47 75	5 5 (*)	93 134 89	90 395 102
4 5 6 7	Diversion dams by material: Concrete or masonry	12 22 83 32	9 4 25 3	2 1 3	46 34 252 22	4 3 7	8 2 31 6	1 1 3	26 11 93 4	46 9 299 41
8 9	Reservoirs	8 13	6 10	2 2	13 17	3	5		17 27 28	25 41 52
10 11 12 13	Reservoirs for which capacity was reportedreservoirs 1950 total capacity, acre-feet 1950 1940	12 13 4,252 3,423	3 9 2,661 280	(*) 13,002 (*)	32 16 10,238 5,527	3 8	13 6 203,240 229,065	(*)  (*)	20 18,244 5,752	41 814 1,007
14 15 16	Reservoirs hy capacity; 1-99 acre-feet	12 1	6 1 2	1 1	14 1 1	3	4 2	,	10 B 2	40 1
17 18 19	Reservoir dams by material: Concrete or masonrydams 1950. Earth and rockdams 1950. Other, mixed, and not reporteddams 1950.	 12 1	2 7 1	2	1 16	3	6 		$\begin{array}{c}1\\21\\5\end{array}$	37 4
20 21 22 23	Canals and ditches	51 129 128	50 286 317 7	2 61 (*) 2	42 164 184 4	8 17 5 1	31 145 145 6	4 (*)	89 409 248 11	60 244 92 12
24 25	Tunnels	4 6 6 1	16 4 3	(*)	2	6 2	8 14	····(*) 1	9 4 7	18 17
26 27 28 29 30	tunnelstotal length. feet 1950. Flowing wells	200 2 6	3,300 2 4 14	(*)	12 41 38	2 7	3 19	2,500 	15,077 13 54 77	4 5 3
31 32 33	Pumped wells	25 36 9	8 11 5		8 15 2	8 9 2	5 5 4		16 20 22	19 22 14 22
34 35 36	Wells for which pumping lift was reportedwells 1949 Average pumping lift	32 46 19	11 79 18	(*)	10 87 (*)	9 58 (*)	3 95 25	(*)	17 33 23	37 89
37 38 39 40 41	Irrigation pumpspumps 1950. pumps 1950. pumps 1950. pumping plants 1940. Electric motors used for pumpingenterprises reporting 1950. electric motors 1950.	26 39 8 14 19	13 20 5 10 10	(*)	8 15 4	8 9 2 7 7	5 5 4	(*)	17 19 23 9 10	22 25 13 3 6
42 43	Other motors and engines used for pumpingotherprises reporting 1950 other motors and engines 1950	12 21	3 11		9 14	1	7 8		57	18 20
44 45 46 47 48 49	Season of irrigation, 1949: Water delivered only before July lenterprises reporting. Water delivered before and after July lenterprises reporting. acres irrigated. Water delivered only after July lenterprises reporting. acres irrigated.	1 175 76 11,254	63 92,861 1 160	4,811	3 710 77 24,758	1 400 17 2,465 1 1	5 1,180 38 31,154	5 535	5 1,589 119 38,923 1 30	1 5,200 98 36,646 4 492
50	Capital Investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	163,817	1,940,815	(*)	296,835	42,889	1,948,870	(*)	2, 223, 347	254, 832
51 52 53	New capital investment Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	42 174,592 8,477	42 262, 983 63, 614	2 47,148 3,016	37 261,005 16,739	9 10,138 1,871	11 139,095 7,065	2 1,423 351	42 538,241 14,746	55 217,758 26,069
54	Total capital investment Jan. 1, 1950dollars 1950	338,409	2,203,798	(*)	557,840	53,027	2,087,965	(*)	2,761,588	472,590
55 56 57	Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950: Laterprises reporting,	2 38,527	5 171,157 572,560	179,018 (*)	1 7,154	1 12,290	1 949,275 1,203,570	1,890 (*)	2 356,015 1,081,477	
58	Area irrighted directacres 1949 Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950;	1,484	20,766	2,963	999	260	· · · · · · · · · · ·	241	3, 543	[
59 60 61	Linterprises reporting			1 179,018 2,963						•••••

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

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### County Table 2 (Part 3 of 4)---IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940

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

_	Item (For definitions and explanations, see text)	The State	Churchill	Clark	Douglus	Elko	Esme- ralda	Eureka	Humboldt.	Lander
	ALL ENTERPRISES									
1 2 3 4 5 6	Cost of water to farms, 1949: <sup>1</sup> Total cost of water to farms: Enterprises reporting	1,169 629,599 731,708 0.86 0.87 0.29	13 167,597 84,030 1.99 1.99 ( <sup>3</sup> )	76 39,885 9,917 4.02 4.02 0.76	101 17,396 41,540 0,42 0,43 0,14	271 16,417 210,751 0.08 0.08 0.02	14 6,525 5,314 1.23 1.23 ( <sup>3</sup> )	39 7, 377 23, 785 0, 31 0, 31 ( <sup>3</sup> )	108 30,286 67,881 0,45 0,45 0,26	33 3,605 33,965 0,11 0,11 ( <sup>3</sup> )
7 8 9 10	Enterprises by cost per acre: Less than \$1.00sacres irrigated \$1.00-\$1.99acres irrigated acres irrigated	878 491,233 72 155,838	4 397 2 82,245	30 3,70	80 37,825 8 1,946	262 210,369 4 326	7 2,820 1 1,797	36 21,621 2 1,988	90 58, 523 2 5, 469	32 33,915 
11 12 13 14 15 16	\$2.00-\$4.99acres irrigated \$5.00-\$9.99acres irrigated \$5.00-\$9.99 acres irrigated \$10.00 mnd over \$10.00 mnd over	98 74,298 40 8,275 81 2,064	2 94 1,178 4 116	11 2,032 11 4,228 24 257	9 1,486 3 282 1 1	3 24 2 33	1 628 5 69	1 176	4 3, 820 3 32 9 37	1 50
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting. Costdollars Area supplied primary irrigationseres. Cost per acre supplieddollars.	1,164 616,250 722,896 0,85	13 167,597 84,030 1.99	76 39,885 9,917 4.02	98 14,960 40,483 0,37	271 16,417 210,751 0,08	14 6,525 5,314 1.23	39 7,377 23,785 0,31	108 30,286 67,881 0.45	33 3,605 33,965 0,11
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting	23 13,349 8,812 1.51			6 2,436 1,057 2,30			•••••		
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>4</sup> Enterprises reportingenterprises Cost	76 157,910 228,691 0.69	2 63,083 83,229 0.76	2 4,002 3,837 1.04	8 1,454 4,862 0.30	5 925 4,185 0.22		•••••	•••••	· · · · · · · · · · · · · · · ·
29 30 31	Arrearage in payments by farms, Jan. 1, 1950:4 Enterprises reporting	7 47,717 104,319	1 33,421 82,051	1 5,425 2,820						
	SINGLE-FARM ENTERPRISES, 1950									
32 33	Single-farm enterprises	1,021 445,409	11 801	71 4,728	68 21,991	250 190,926	14 5,314	39 23,785	106 63,052	33 33,965
34 35	Complete-system enterprises <sup>5</sup> area irrigatedacres	966 416,905	10 501	70 4,706	55 7,664	250 190,926	14 5,314	39 23,785	103 59,042	33 33,965
36 37 38	Other farms irrigated: Enterprises reportingnumber Number of other farmsfarms Arem irrigated in other farms	10 16 926		3 6 13	1 4 78			1 1 400	3 3 355	
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>5</sup> No water from other enterprisesacres irrigated Part of water from other enterprisesenterprises reporting All of water from other enterprisesenterprises reporting scres irrigated	972 421,102 31 20,123 18 4,184	10 501 1 300	71 4,728	55 7,664 12 13,302 1 1,025	250 190,926	14 5,314	39 23,785	105 62,591 1 461	33 33,965
45 46 47 48 49 50 51	Enterprises by primary and supplemental irrigation: All primaryacres irrigated Part primary, part supplementalenterprises reporting Primary irrigationacres irrigated Supplemental irrigationacres irrigated All supplementalacres irrigated	1,013 443,918 1 20 207 5 1,264	11 801	71 4,728	64 20,990 1 20 207 3 774	250 190,926	14 5,314	39 23,785	105 63,052	33 33, 965
52 53 54 55	Enterprises by number of acres irrigated: <sup>5</sup> Noneenterprises reporting 19 acresenterprises reporting 10-29 acresenterprises reporting 30-59 acresenterprises reporting.	2 117 109 120	4 4	29 14 11	8 5 4	7 9 15	2 2 1	4 2	1 12 14 9	23
56 57 58 59 60	60-99 acres	98 154 213 99 109	1 1 1	4 5 7 1	9 15 18 4 5	14 26 80 46 53	3 2 2 2 2	2 10 9 3 9	7 6 27 11 19	5 3 11 3 6

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

#### County Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND CHARACTERISTICS, BY COUNTIES: CENSUSES OF 1950 AND 1940—Continued

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

_	characteristics within the county or State, except where otherwise	noted. Ac	reage irrig	ated direct	by 2 or mor	e enterprise	a is counted	I IOF each	encerprise]	
	Item (For definitions and explanations, see text)	Lincoln	Lyon	Mineral	Nye	Ormsby	Pershing	Storey	Washoe	White Pine
	ALL ENTERPRISES									
	Cost of water to farms, 1949: <sup>1</sup>									
1	Total cost of water to farms: Enterprises reporting	78	63	5	81	19	42	5	129	104
23	Costdollars. Area irrigated directacres.	19,088 11,629	133,764 93,021	841 4,811	29, 428 25, 560	1,924 2,866	79,857 32,334	631 535	59,755 40,810	15,223 42,959
4	Cost per scre irrigated direct	1.64	1.44	0.17	1,15	0.67	2.47	1.18	1,46	0.35
5	Total cost per irrigated acre	1.65	1,56 0,60	0.17 ( <sup>3</sup> )	1.15 ( <sup>3</sup> )	0.68	2.47	( <sup>3</sup> )	1,48 0,42	0.35
	Enterprises by cost per acre:									
7 8	Less than \$1.00	49	24	5	71	12	26	1	74	84
9	acres irrigated \$1.00-\$1.99\$1.00-\$1.99	7,069 4	23, 302 21	4,811	22,08B 2	2,790	3,339 2	125 4	17,952 19	40,888 4
10	acres irrigated	971	49,104	••••	872	• • • • • • • • • • • •	197	410	9,761	752
11 12	\$2.00-\$4.99acres reporting acres irrigated	9 2,211	12 20, 205		3 2,154	3 31	14		21 12, 161	5 60 4
13	\$5.00-\$9.99enterprises reporting	. 7	3	••••	1				6	5
14 15	acres irrigated \$10.00 and over	1,153	288 3		2 4	4		• • • • • • • • • • • • • • • • • • •	710 9	402 6
16	acres irrigated	225	122		444	45			226	313
17	Cost of water for primary irrigation: Enterprises reporting	78	63	5	81	19	49	5	127	104
1B 19	Costdollars Area supplied primary irrigation	19,039	123, 538	841	29,428	1,920	79,723	631	59,255 40,266	15,223 42,959
20	Cost per acre supplieddollars.	11,601 1.64	85,909 1.44	4,811 0.17	25, 560 1.15	2,841 0.68	32, 288 2, 47	535 1.18	1.47	42,939
	Cost of water for supplemental irrigation;									
21 22	Enterprises reportingdollars	1 49	9 10,226			1	1 134		5 500	
22 23 24	Area supplied supplemental irrigation	28 1.75	7,112			25 0.16	46 2.91		544 0,92	
24	Cost per acre supplieddollars	1.(3	1. 44			0.10	2, 71	• • • • • • • • • •	0,92	•••••
25	Cost to farms for purposes other than operation and maintenance: * Enterprises reporting	2	31				9	1	18	
26 27	Costdollars Area 1rrigated directacres	4,598 1,484	44,393 80,457			•••••	29,658 27,314	132 241		
28	Cost per acre irrigateddollars	3, 10	0.55				1,09	0.55		•••••
	Arrearage in payments by farms, Jan. 1, 1950:		_							
29 30	Enterprises reportingdollars		3 4,803	3,618			· · · · · · · · · · · ·	1 70	2 380	• • • • • • • • • • •
31	Aren irrigated directacres	•••••	14,255	2,963		•••••		241	1,989	•••••
	SINGLE-FARM ENTERPRISES, 1950									
32 33	Single-farm enterprisesacres	73 8,580	30 9,284	4 1,848	80 24,089	16 925	33 5,020	4 294	102 12, 574	97 38,233
				2,						,
34 35	Complete-system enterprises <sup>5</sup> acresarea irrigatedacres	68 8,446	19 2,930	4 1,848	78 23,709	16 925	28 3,340	1 7	94 11,919	92 37,878
	Other farms irrigated:									
36 37	Enterprises reportingnumher Number of other farmsfarms.		1						1	•••••
38	Area irrigated in other farms		60			*****			20	•••••
	Enterprises by origin of water supply: <sup>5</sup>				_		_			
39 40	No water from other enterprisesenterprises reporting acres irrigated	68 8,446	19 2,930	4	79 23,709	16 925	29 3,500	1	95 12,385	92 37,878
41 42	Part of water from other enterprisesenterprises reporting acres irrigated	4 119	4,917		1 380			3 287	3 37	4 320
43 44	All of water from other enterprisesenterprises reporting acres irrigated	1 15	7				4 1,520		4 152	1 35
		13	41 401				1,000		1.72	
45	Enterprises by primary and supplemental irrigation: All primaryenterprises reporting	73	30	. 4	79	16	33	4	<b>1</b> 00	97
46 47	acres irrigated Part primary, part supplementalenterprises reporting	8,580	9,284	1,849	24,089	925	5,020	294	12,0R4	38,233
48 49	Primary irrigationSupplemental irrigated									
50 51	All supplemental irrigation								2 490	
31		••••	••••	- • • • • • • • • • • •		•••••		· · · · · · · · · · · ·	<del>4</del> 40	*******
52	Enterprises by number of acres irrigated: 5 Noneenterprises reporting				1					
53 54	1-9 acres	7 18	32	1	5	7	3 5	1	26 11	6 9
55	30-59 acresenterprises reporting.	20	3	2	n	î	. ń	1	16	n
56	60-99 acresenterprises reporting	13	3		9	1	5		7	18
57 58	100-199 acres	9 3	9 5	•••••	14 17	1 2	6 5	2	24 14	20 14
59 60	500-999 acres	2	3 2		13 4		2 1	· · · · · · · · · · · · · ·	2 2	9 10
				ĺ	L	[]				L

<sup>1</sup>Enterprises with reported cost of 40 in 1949 are included. <sup>2</sup> Average cost per irrigated acre divided by calculated average quantity of water per acre, (County Table 2, Part 4, line 66.) <sup>-3</sup> Average not given because the number of enterprises reporting quantity of water was not sufficient to provide satisfactory data. <sup>4</sup> Not reported by single-farm enterprises. <sup>5</sup> For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State.

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#### 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]

	enterprise	s is counted for a	eech enterprise]				
	Item (For definitions and explanations, see text)	The State	Clark	Douglas	Elko	Humboldt	Lincoln
	MULTIPLE-FARM ENTERPRISES, 1950			x.			
1 2	Multiple-farm enterprises, total number 1enterprises Area irrigated directacres. Multiple-purpose enterprises 1enterprises.	157 286,299	5, 189	39 19,549	22 19,825	3 4,829	5 3,049
3 4	Area irrigated directacres	93, 645	2,820	690			884
5 6	Complete-system enterprises <sup>1</sup> area irrigated directacres.	76 147,340	5,189	17 8,976	22 19,825	3 4,829	2,523
	Enterprises by origin of water supply: 1						
7 8	No water from other enterprisesenterprises reporting acres irrigated	78 153,484	5,189	15 7,450	22 19,825	3 4,829	5 3,049
9 10	Part of water from other enterprisesenterprises reporting acres irrigated	28 30,503		6,757	•••••		
11 12	All water from other enterprisesenterprises reporting acres irrigated	51 102, 312		15 5,342			
12	Enterprises by delivery of irrigation water: <sup>1</sup>	102, 512	*****	9,342	• • • • • • • • • • • • • • • • • • • •		
13 14	No water delivered			32			
15 16	acres irrigated	157,449	4,250	14,909	19,825	4,829	2,523
	Water delivered to farms and to other enterprises reporting.	20	1	- 5			1
17 18	acres irrigated Water delivered to other enterprises onlyenterprises reporting	128,850 5	939	4,640			526
	Enterprises by primary and supplemental Irrigation: <sup>2</sup>						
19 20	All primaryenterprises reporting acres irrigated	133 249,043	5, 189	31 19,117	21 19,825	3 4,829	4 2,523
21 22 23	Part primary, part supplementalPart primary irrigation	17 29,915		2 356			1
23 24	Supplemental irrigationarres irrigated. All supplemental	7,341		76			28
24 25	Ail supplemental		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•••••	• • • • • • • • • • • • • • • • • • • •
	Enterprises by number of farms irrigated direct: <sup>1</sup> None	_					
26 27	Noneenterprises reporting 1-3enterprises reporting 4-9enterprises reporting.	5 64	2	19		·····i	1
28 29	10-29enterprises reporting.	42		12 6	4 1	1	4
30 31	30-99enterprises reporting. 100-299enterprises reporting.	12 2	3			1	•••••
32 33	300-999enterprises reporting. 1,000 or moreenterprises reporting.	ĩ		•••••			
20	Enterprises by acres irrigated direct; 1	******	*****	*****		** * * * * * * * * * * * * * * *	
34 35	Noneenterprises reporting. 1-99 acresenterprises reporting.	5		2		•••••	
36 37	100-999 acres	84	2	25	16	1	5
38	3.000-9.999 acres	39 18	3	4 5	4 1	2	
39 40	10.000-29,999 acres	2		•••••	1		
	Quantities of water reported, 1949:	1.67		70			-
41 42	Total obtained from all sources <sup>3</sup> enterprises reporting percent of all enterprises reporting.	157 13	7	39 36	22 8	3	5
43 44	acre-feet Surface sources	1,578,171 105	49,129 5	335,618 24	192,565 22	10,196 3	12,090 5
45 46	acre-feet. Pumped wells	1,190,540 1	49,129	271,497	192,565	10,196	12,090
47 48	acre-feet Other enterprises	26 79					
49	Conveyance loss <sup>3</sup> enterprises reporting.	387,605		24 64,121			
50 51	conveyance loss	136 261,314	4 9,131	33 14,678	21 56,383	3 1,972	5 2,227
_	Delivered: <sup>3</sup> Direct to farms	152	-				
52 53	acre-feet	931,394	28,737	37 109,794	22 136,182	8,224	9,167
54 55	To other enterprises	25 345,466	110	7 210,106			300
56 57	For use other than irrigation,enterprises reporting acre-feet	16 39,997	3 11,151	2 1,040			2 396
	Delivered direct to farms for primary irrigation: <sup>2</sup>						
58 59	Enterprises reportingQuantity deliveredacre-fect	150 835,180	27,576	33 55,572	21 67,022	8,224	5 9,122
60 61	Area supplied primary irrigationQuantity supplied per acres	278,958 3.0	5,189 5,3	19,473 2.9	19,825 3,4	4,829 1.7	3,021 3.0
	Delivered direct to farms for supplemental irrigation: 2					2.1	
62 63	Enterprises reportingenterprises Quantity deliveredacre-feet.	17 17, 893		2 230			1 45
64 65	Area supplied supplemental irrigationQuantity supplied per acres	7,341		76			28 1,6
66	Total quantity per irrigated acre <sup>4</sup> acre-feet	3.0	5.3	3.0	3,4	1.7	3,0
67	Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>2</sup> Cost for primary irrigationdollars	458, 554	25,462	6,470	5,388	317	9,099
68 69	Average cost per acre-footdollars Cost for supplemental irrigationdollars	0.55 10,518	0.92	0.12	0.08	0.04	1,00 49
70	Average cost per acre-footdollars	0, 510	•••••	0.20			1.09
71	Measurement of water to farms, 1949: <sup>2</sup> No water measuredenterprises reporting	118	5	33	21	. 3	5
72	Part of water measured	103,927	5, 189	15,368	19,825	4,829	3,049
73 74	acres irrigated.	10, 905		2 4,122			
75 76	All water measuredacres irrigated	29 163,283	•••••	2	1		••••
			I				

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)	Lyon	Ormsby	Pershing	Washoe	White Pine	All other counties
WULTIPLE-FARM ENTERPRISES, 1950						
Multiple-farm enterprises, total number 1enterprises.	. 34	3	10	28	8	6
Area irrigated directacres. Multiple-purpose enterprises <sup>1</sup> enterprises.	. 2	1,941	27,314	28,236	4,726	87,904
Area irrigated directacres. Complete-system enterprises <sup>1</sup> enterprises.	3,485	350		3, 124		82,292
Complete-system enterprisesarea irrigated directacres.	8,839	1,941		3,766	4,726	86,726
Enterprises by origin of water supply:					1	
No water from other enterprisesnenterprises reporting.		3	1	7 3, 766	4,726	5 86,726
acres irrigated. Part of water from other enterprisesenterprises reporting.		1,941		19	4,120	
acres irrigated. All water from other enterprisesAll water from other enterprises				23,746		
acres irrigated.			27,314	724		1,178
Enterprises by delivery of irrigation water:1	1				[	
No water delivered		3	6	20		4
Water delivered to farms and to		1,941	18,914	15, 270	4,726	5,612
other enterprisesenterprises reporting.	4	{	3	7		2
acres irrigated Water delivered to other enterprises onlyenterprises reporting			8,400	12,966		82,292
Enterprises by primary and supplemental irrigation: <sup>2</sup>	1			1		* * * * * * * * * * * * * * * * * * *
All primaryenterprises reporting	24	2	8	24	7	6
scres irrigated Part primary, part supplementalenterprises reporting	51,036	1,591	25, 284 1	27,019	4,726	87,904
Primary irrigation	25,589	325	1,984	1; 163		
Supplemental irrigationacres irrigated All supplemental	7,112	25	46	54		
acres irrigated.	•••••		•••••			
Interprises by number of farms irrigated direct; <sup>1</sup> Noneenterprises reporting						
1-3enterprises reporting.,	11	1	1	7	4	
4-9enterprises reporting., 10-29enterprises reporting.,		2	3	11	2	
30-99enterprises reporting			1	5		
100-299enterprises reporting 300-999enterprises reporting			*****	•••••		
1,000 or moreenterprises reporting.						
interprises by acres irrigated direct:	.				1	
Noneenterprises reporting 1-99 acresenterprises reporting	1		1	1	2	
100-999 acres	9	2	2	16	4	2
3,000-9,999 acres	10	1	4	6 3	2	2
10,000-29,999 acres	1	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	•••••••••
uantities of water reported, 1949:	-		•••••	•••••	•••••	-
Total obtained from all sources 3enterprises reporting	34	3	10	28	8	e e
percent of all enterprises reporting. acre-feet.	774.521	16 6,145	23 213,985	22 152,215	31,273	4 7 53, 2 59
Surface sources	7	3	1	26	. 7	) 5
Pumped wellsenterprises reporting		6,145	119,000	92,754	31,247	747,241
acre-feet Other enterprisesOther enterprises reporting	27		••••••		26	
acre-feet	201,855		94,985	59,461		6,018
Conveyance loss <sup>3</sup> ,acre-feet.		770	1 25,500	27 23,422	7 8,094	6 181,489
Delivered: <sup>3</sup>	1	10	20,300	20,422	0,054	101,409
Direct to farms		3	9	27	8	6
acre-feet To other enterprises	458,330	4,270	81,597 4	98,298 8	22,879	559,734
acre-feet	198,467		100,888	10,490		12,036
For use other than irrigationFor use other than irrigation		1,105	6,000	20,005	300	
Delivered direct to farms for primary irrigation. <sup>2</sup>						
Enterprises reportingQuantity deliveredacre-feet.	185, 310	3 4,193	9 81,446	27 98,120	7 14,879	6 283,716
Area supplied primary irrigation	76,625	1,916	27,268	28,182	4,726	87,904
Quantity supplied per acreacre-fect	2.4	2.2	3.0	3.5	3.1	3.2
Delivered direct to farms for supplemental irrigation: <sup>2</sup> Enterprises reportingenterprises	9	1	1	3		
Quantity delivered	17,212	77	151	178		• • • • • • • • • • • • • • • • •
Area supplied supplemental irrigationques Quantity supplied per acre	2.4	25	46	54 3,3		
Total quantity per irrigated acre <sup>4</sup>	2.6	2.2	3.0	3,5	3.1	3.2
ost of water to farms for enterprises reporting quantity delivered, 1949; <sup>2</sup> Cost for primary irrigationdollars	113,853	1 001	70 501	E9 370	9 910	166 000
Average cost per acre-footdollars	0.61	1,091 0,26	73,604 0.90	53,352 0.54	3,319 0.22	166,599
Cost for supplemental irrigationdollars Average cost per acre-footdollars	10,226 0,59	4 0.05	134 0.89	60 0.34		•••••
easurement of water to farms, 1949: <sup>2</sup>	0.99	0.05	0.09	0.34		•••••
No water measured,	18	2		20	8	4
acres irrigated	30,044	1,681		13,604	4,726	5,612
acres irrigated				2,321		
All water measuredarterprises reporting acres irrigated	41,366		$\begin{array}{c} 10\\ 27,314 \end{array}$	5 12,311		2 82,292
			*1,014	********		

For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State. <sup>2</sup>For intercounty and interstate enterprises, data represent characteristics within the county or State. <sup>3</sup>For intercounty and interstate enterprises, data represent characteristics of the entire enterprise. <sup>4</sup>Calculated 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, "Nevada: Location of Irrigated Land, 1949." Tributaries not shown separately are included in the portion of the basin designated "direct"]

T		The State	Churchill	ignated "di Clark	Douglas	Elko	Esmeralda	Eureka	Humboldt	Lander
	(For definitions and explanations, see text)	722,896	84,030	9,917	40,483	210,751	5,314	23, 785	67,881	33,96
	Area irrigated direct, by drainage basin origin of water, 1949: <sup>1</sup>			.,						
	All basinsacres	813,759	166, 081	9,917	41, 540	210, 751	5, 314	23,785	67,881	33,96
3	North Pacific Coastacres.	40,904	••••••		••••	40,904			•••••	*******
4	Snake River, Weiser, Idaho, to King Hill, Idaho (I-F)acres Owyhee Riveracres.	33,793 29,043		• • • • • • • • • • •		33,793 29,043			•••••	••••••
5	Owyhee River direct (5a)acres.	29,043				10,887				
	South Fork (5c)acres.	18,156				18, 156				
3	Bruneau River (7)acres	4,750				4,750				
	Snake River, King Hill to American Falls, Idaho (I-G): Sulmon Falls Creek (3) <sup>2</sup> acres	7,111				7,111				
	Great Basin,acres.	739,748	166,081	1	41,540	169,847	5, 314	23, 785	67,881	33,96
					-				28,939	
2	Northwest Great Basin (III-A)acres Surprise Valley and Madeline Plains (4)	33,456 906							20, 333	
3	Central Desert area (5) <sup>2</sup>	10,662							7,051	
	Quinn River (8)	21,888							21,888	
5	Humboldt River (111-B)acres.	248,886				132, 567		13,667	38,942	29, 25
۶Ì	Humboldt River direct (1s, b, and c)acres	134,794				62, 194		3,838	26,829	10,48
	Little Humboldt River (2)acres.	12, 113							12,113	
	Reese River (3)acres	21,577	]							18, 7
	Pine Creek (4)acres.,	9,829					[ <i></i>	9,829		
	South Fork (5)acres.,	32, 123	]			31,923	· · · · · · · · · · ·			
L	North Fork (6)acres	11, 223				11, 223		• • • • • • • • • •		•••••
2	Lamoille Creek (?)acres	27, 227				27, 227				
3	South Central Great Basin (III-C),acres.,	445, 330	166,081		41, 540	30, 525	5, 314	10,118	•••••	4,7
۱Ì	Honey Lake (1)acres	684								
5	Truckee River,acres,.	121,877	82,051		145					
5	Lower Truckee River and Pyramid Lake (2a),acres	87,612	82,051				]			
	Upper Truckee River direct (2b)acres	34,265			145					
3	Carson Riveracres.	132,408	83,723		40,590					
9	Carson Sink (3a)acres.	83,723	83,723							· · · · · · · · · ·
×	Upper Carson River (3b)acres.,	48, 685		• • • • • • • • • • •	40,590	• • • • • • • • • •				
I	Walker Riveracres	190,361	307		805	30,525	5,314	10,118		4,7
2	Lower Walker River and Walker Lake (4a)acres.	42,695						]	]	
3	West Walker River (4b)	25, 749			805					
1	East Walker River (4c)acres,	21, 374	307						1	5
5	Dixie, Smith Creek, Fish Lake Valleys (6)acres Big Smoky Vallay (7)acres	6,946 6,457	307			• • • • • • • • • • • • • • •	5,154			1,5
	Southwest Desert (8)	3,430					160		]	
	Ralston, Monitor, Hot Creek Valleys (11)	4, 566								
	Railroad Valley (12), acres	3, 814								
	Crescent, Grass, Diamond, and Newark Valleys (13)acres	18, 397		,				10,118		2,6
	Buby Valley (14)acres.	19,033				18,971				]
2	Clover Valley (15)acres	9, 990				9,990				
	Steptoe and Goshute Valleys (16)acres	12,755				1,564				
ı	Spring Valley (17)acres	15, 155								
5	Bonneville Basin (III-D)acres	12,076	•••••			6,755				
i	Northwest Great Salt Lake Basin (1) <sup>2</sup> acres.,	7,040				6,755				
	Snake Valley (5)acres	5,036	•••••							
	Gulf of California: B. Colorado River below Lees Ferry (IV-B)acres	33, 107		9,917	ļ					
			•••••							
	Colorado River direct (1b)acres Virgin Riveracres	2,731		2,731	}					
		30, 376		7,186						
2	Virgin River direct (3a)acres Muddy River (3b)acres.	2,294		2,294					1	
	Pahranagat Valley (3c)acres.	9,171		4,892				1		
	White River (3d)acres.	11,561								
		1 **,001	H		1					1

See footnotes at end of County Table 3.

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

[Symbols in parentheses refer to drainage basin symbols on map, "Nevada: 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)	Lincoln	Lyon	Mineral	Nye	Ormsby	Pershing	Storey	Washoe	White Pine
Irrigated land, 1949acr Area irrigated direct, by drainage basin origin of water, 1949: <sup>1</sup>	es 11,601	85,909	4,811	25,560	2,841	32,288	535	40,266	42,95
All basins,acr	es 11,629	93,021	4,811	25, 560	2,866	32, 334	535	40,810	42,95
North Pacific Coastacr									
Snake River, Weiser, Idaho, to King Hill, Idaho (I-F)acr	es								
Owyhee Riveracr				1					
Owyhee River direct (5a)acr	es							[	
South Fork (5c)acr	es.,								
Bruneau River (7)acre	es								••••••
Snake River, King Hill to American Falls, Idaho (I-G): Salmon Falls Creek (3) <sup>2</sup> acr	es		]						
Grest Basinacre	es	93,021	4,811	19,365	2,866	32, 334	535	40, 810	37,59
Northwest Great Basin (III-A)acr	es							4, 517	• • • • • • • • •
Surprise Valley and Madeline Plains (4)acr						· · · · · · · · · ·		906	
Central Desert area (5) <sup>2</sup> acre	s.,							3,611	• • • • • • • • •
Quinn River (8)acre	es					· · · · · · · · · · ·			
Humboldt River (III-B)acre				2,804		31, 452			20
Humboldt River direct (1a, b, and c)acre						31,452			
Little Humboldt River (2)acre	s								
Reese River (3)acre	s			2,804					
Pine Creek (4)acre									
South Fork (5)acre	s								20
North Fork (6)acre	s		••••••						<i>.</i>
Lamoille Creek (7)acre									
South Central Great Basin (III-C)acre		93,021	4,811	16,561	2,866	882	535	36, 293	32,0
Honey Lake (1)acre	s.,							684	
Truckée Riveracre		3, 537					535	35,609	
Lower Truckee River and Pyramid Lake (2a)acre		3, 537					241	1,783	
Upper Truckee River direct (2b)acre	1						294	33, 826	
Carson Riveracre	s	5, 229			2,866				
Carson Sink (3a)acre									
Upper Carson River (3b)acre		5, 229			2,866				
Walker Riveracre		84, 255	4, 811	16,561		882			32,0
Lower Walker River and Walker Lake (4a)acre		39,687	3,008						
West Walker River (4b)acre		24,944							
East Walker River (4c)acre	1	19, 624	1,750						
Dixie, Smith Creek, Fish Lake Valleys (6)acre			53						
Big Smoky Valley (?)acre				4,911					
Southwest Desert (8)acre	s	1		3, 270					
Southwest Desert (8)acre Ralston, Monitor, Not Creck Valleys (11)acre		1		3,270 4,566		•••••			
	s					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · ·
Ralston, Monitor, Hot Creek Valleys (11)acre Railroad Valley (12)acre	:5,		······	4,566 3,814					
Ralston, Monitor, Hot Creck Valleys (11)acre Railroad Valley (12)acre Cresent, Grasa, Diamond, and Newark Valleys (13)acre	25			4,566			••••••		5,6
Ralston, Monitor, Mot Creek Valleys (11)acre Railroad Valley (12)acre Cresent, Grasa, Diamond, and Newark Valleys (13)acre Ruby Valley (14)acre	s	· · · · · · · · · · · · · · · · · · ·		4,566 3,814	· · · · · · · · · · · · · · · · · · ·	•••••			5,6
Ralston, Monitor, Mot Creek Valleys (11)acre Railroad Valley (12)acre Cresent, Grass, Diamond, and Newark Valleys (13)acre	19			4,566 3,814	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		5,6
Ralston, Monitor, Mot Creck Valleys (11)acre Railroad Valley (12)acre Cresent, Grass, Diamond, and Newark Valleys (13)acre Ruby Valley (14)acre Clover Valley (15)acre	95		· · · · · · · · · · · · · · · · · · ·	4,566 3,814		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	5,6
Ralston, Monitor, Mot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (15)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra	15.,	· · · · · · · · · · · · · · · · · · ·		4,566 3,814	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	5,6  11,1 15,1
Ralston, Monitor, Hot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (15)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra         Bonneville Basin (III-D)acra	15	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	4,566 3,814	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	5,6  11,1 15,1 5,3
Ralston, Monitor, Mot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (14)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra         Bonneville Basin (III-D)acra         Northwest Great Salt Lake Basin (1) <sup>2</sup> acra	15			4,566 3,814	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	5, 6  11, 1 15, 1 5, 3 2
Ralston, Monitor, Hot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grasa, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (15)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra         Bonneville Basin (111-D)acra         Northwest Great Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Gulf of Californis:         B. Colorado River below Lees	15			4,566 3,814	· · · · · · · · · · · · · · · · · · ·				5,6 11,1 15,1 5,3 2 5,0
Ralston, Monitor, Hot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (14)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra         Bonneville Basin (III-D)acra         Northwest Great Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Gulf of California:         B. Colorado River below Lees         Ferry (IV-B)	s			4,566 3,814 	· · · · · · · · · · · · · · · · · · ·				5, 6 11, 1 15, 1 5, 3 2 5, 0 5, 3
Ralston, Monitor, Mot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (15)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra         Bonneville Basin (III-D)         Northwest Great Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Substrain (III-D)         acra         Sonneville Basin (III-D)         acra         Sonthwest Great Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Colorado River direct (1b)	19.1.			4,566 3,814 	· · · · · · · · · · · · · · · · · · ·				5, 6 11, 1 15, 1 5, 3 2 5, 0 5, 3
Ralston, Monitor, Hot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (15)acra         Steptoe and Goshute Valleys (16)acra         Spring Valley (17)acra         Bonneville Basin (III-D)         Northwest Great Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Gulf of California:         B. Colorado River below Lees         Ferry (IV-B)acra	19.1.			4,566 3,814 	· · · · · · · · · · · · · · · · · · ·				5, 6 11, 1 15, 1 5, 3 2 5, 0 5, 3
Ralston, Monitor, Hot Creek Valleys (11)acra         Railroad Valley (12)acra         Cresent, Grass, Diamond, and Newark Valleys (13)acra         Ruby Valley (14)acra         Clover Valley (15)acra         Steptoe and Goshute Valleys (16)acra         Bonneville Basin (117)acra         Northwest Great Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Boundering Context Salt Lake Basin (1) <sup>2</sup> acra         Snake Valley (5)acra         Source Colorado River direct (1b)	15			4,566 3,814 	· · · · · · · · · · · · · · · · · · ·				5, 6 11, 1 15, 1 5, 3 2 5, 0 5, 3
Ralston, Monitor, Hot Creek Valleys (11)acra         Railroad Valley (12)acre         Cresent, Grass, Diamond, and Newark Valleys (13)acre         Ruby Valley (14)acre         Clover Valley (15)acre         Steptoe and Goshute Valleys (16)acre         Bonneville Basin (117.)acre         Northwest Great Salt Lake Basin (1) <sup>2</sup> acre         Snake Valley (5)acre         Gulf of California: B. Colorado River below Lees         Ferry (IV-B)acre         Colorado River direct (1b)acre         Virgin River	15.			4,566 3,814 					5, 6  11, 1' 15, 1 5, 3 2: 5, 0 5, 3  5, 3
Ralston, Monitor, Hot Creek Valleys (11)acre         Railroad Valley (12)acre         Cresent, Grasa, Diamond, and Newark Valleys (13)acre         Ruby Valley (14)acre         Clover Valley (15)acre         Steptoe and Goshute Valleys (16)acre         Bonneville Basin (117.)acre         Northwest Great Salt Lake Basin (1) <sup>2</sup> acre         Snake Valley (5)acre         Gulf of California: B. Colorado River below Lees         Ferry (IV-B)acre         Colorado River direct (1b)acre         Virgin River,	15.			4,566 3,814 					5, 6 11, 19 15, 19 5, 33 22 5, 0 5, 30 5, 30  5, 33  5, 33  5, 33  5, 33

<sup>1</sup>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 adrainage basin may exceed the acreage irrigated direct shownin County Table 2 or Drainage Basin Table 1. <sup>2</sup>Drainage basins in which less than 3 enterprises were reported have been combined as follows: Basin 1-G-4(Goose Creek) with Basin I-G-3, Basin III-A-3 (Cowhead and WarnerLakes area) with Basin III-A-5, Basin III-D-2 (Southwest Great Salt Lake) with Basin III-D-1.

## 11-22

## 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,

_	[Interbasin enterprises are counted in each drainage basin in whice			T			ing Hill, Id		1
			North			Owyhee River			Snake River, King Hill to American
	Item (For definitions and explanations, see text)	The State	Pacific Const, total	Total	Total	Direct (5a)	South Fork (5c)	Bruneau River	Falls, Idaho (I-G): Salmon Falls Creek <sup>1</sup>
	ALL ENTERPRISES				1	(Da)	( 367		(3)
1 2 3	Farms and land irrigated: All irrigation enterprises	1,178 1,464 19	58 94 2	47 81 1	36 56 1	17 21	19 35 1		
4 5 7 8	Farms irrigated direct per enterprime <sup>2</sup> farms 1950 Irrigated land <sup>3</sup> acres 1949 acres 1939 Average per enterpriseacres 1949 Average screage irrigated direct per enterprise <sup>2</sup> acres 1949	2.7 722,896 739,863 614 621		2.9 33,793 56,114 719 719	47,698 807	6,4 10,887 20,896 640 640	18,156 26,802 956	0,9 4,750 8,416 432 432	646
9 10	Type of enterprise, 1950: Single-farmenterprises acres irrigated	1,021 445,409	56 36,227	46 29,116	35 24, 366	16 6,210	19 1°,156	11 4,750	10 7, 111
11 12 13 14	Unincorporatedenterprises. Unincorporatedenterprises. Incorporatedenterprises. acres irrigated. erres irrigated.	90 92,964 47 74,197	  ( <sup>4</sup> )						······································
15 16 17 18	Commercialenterprises acres irrigated Districtenterprises acres irrigated	( <sup>4</sup> ) 96,547							
19 20 21 22	U. S. Bureau of Reclamationacres irrigated acres irrigated U. S. Bureau of Indian Affairs <sup>5</sup> enterprises acres irrigated	14 17, 580	1 4,677			1 4,677			
23 24 25 26	Stateenterprises acres irrigated. Cityenterprises. acres irrigated		[			-			••••••
27 28 29 30 31 32	Use of surface, ground, pumped and stored water, 1949: Surface water: Gravity only Pumped only Gravity and pumped Gravity and pumped	975 654,415 18 8,065 11 6,725	5R 40, 904	47 33,793	36 29,043	17 10,887	19 18, 156	11 4,750	11 7, 111
33 34 35 36	Ground water only (pumped from wells)enterprises reporting scres irrigated Surface (gravity or pumped) and ground waterenterprises reporting. scres irrigated	80 2,975 94 59,528	••••••				·····		
37 38 39 40 41 42	None storedenterprises reporting acres irrigated. Part storedenterprises reporting acres irrigated. All storedenterprises reporting acres irrigated. acres irrigated.	948 413,960 184 2P2,470 46 35,278	50 29,302 7 11,602 1	42 22,901 5 10,892	34 18,866 2 10,177	16 6,210 1 4,677	18 12,656 1 5,500	8 4,035 3 715	8 6,401 2 7 10 1
43 44 45 46	Sources of surface water, 1949: <sup>6</sup> Streams (and lakes)acres irrigated Springsenterprises reporting acres irrigated	879 690,956 328 158,221	58 40,904 8 11,282	47 33,793 3 7,077	36 29,043 2 4,977	17 10,887 1 4,677	19 1 <sup>8</sup> ,156 1 300	11 4,750 1 2,100	11 7,111 5 4,205
47 48 49 50	Flowing wellsacres irrigated acres irrigated Drainage wateracres irrigated acres irrigated	85 17, 196 24 10, 906		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·
51 52 53 54	Sewageenterprises reporting acres irrigated Other sourcesenterprises reporting acres irrigated	3 1,022					· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
55 56 57 58	Drainage of irrigated land: <sup>7</sup> Irrigated land drained: Enterprises reportingacres 1949 Area supplied primary irrigationacres 1949 Area artificially drainedacres 1949 Irrigated land in need of drainage:	77 209,306 123,059 94,450	2 120 120	2 120 120	2 120 120	2 120 120	· · · · · · · · · · · · · · · · · · ·		
59 60 61 62	Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area in need of drainageacres 1949 acres 1949 acres 1939	130 232,669 81,371 21,153	16 14, 173 5, 289	11 10,572 4,827	9 10,022 4,807	6 6,272 4,712	3 3,750 95	2 550 20	5 3,601 462 (*)

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

## CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

	Nort	hwest Great	Basin (III	(I-A) Humbo. Direct							tI-B)					
Great Basin, total	Total	Surprise Valley and Madeline Plains	Central Desert area <sup>1</sup>	Quinn Niver	Total	Total	Dir Below Imlay	ect Jmlay to Palisade	Above Palisade	Little Humboldt River	Reese River	Pine Creek	South Fork	North Fork	Lamoille Creek	
		(4)	(5)	(8)			(la)	( 1b)	(1c)	(2)	(3)	(4)	(5)	(6)	(7)	
939 1,139 18	73 106 1		. –	32 39 1	300 (*) 9	(*) <sup>154</sup>		(*) <sup>63</sup> 2	· (*) 72 2	22 35 1	24 27 4	10 18 2	47 77 1	9 18 2	(*) <sup>32</sup> 1	
2,8 649,913 649,839 691 700	1.6 33,456 29,694 458 458	0.7 906 2,458 151 151	1.0 10,662 8,459 305 305	2, 3 21, 888 18,777 684 684	1,6 248,840 286,099 829 830	1.7 134,748 153,427 875 875	5.7 28,984 21,706 1,525 1,528	1.0 53,590 62,694 851 951	1.2 52,174 69,027 725 725		1,6 21,577 15,093 899 899	1.0 9,829 9,206 546 546	1.7 32,123 35,233 623 683	0,8 11,223 28,565 1,247 1,247	1.2 27,227 27,692 851 951	1
798 387,763	71 30,294	6 906	34 10,462	31 18,926	268 203, 758	138 102,309	9 1,716	63 53, 590	66 47,003	21 10,446	23 20,578	18 9,829	37 24,787	9 11,223	29 24,396	1
96 92, 522 37 63, 253			· · · · · · · · · · · · · · · · · · ·		25 29, 394 4 12,809	4	15,984	· · · · · · · · · · · · · · · · · · ·	3, 692 ( <sup>4</sup> )				9 5,410		4 2,641	11 12 13 14
( <sup>4</sup> ) 96, 547					 ( <sup>4</sup> )		1 ( <sup>4</sup> )				· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	1 1 1 1
12 12, 601	2 3, 162		1 200	1	2							·····	1 1,926		•••••••••••	19 20 21 23
· · · · · · · · · · · · · · · · · · ·	•••••	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·									· · · · · · · · · · · · · · · · · · ·	•••••	2222
P06 584,884 12 7,952 9 6,499	66 30, 334	6 906	9,900	19, 528	5,301	5 301	29,030	47 45,992 2 5,301			22 10,726	9,829		9 11, 223	32 27,227	
41 1,366 71 56,996	3 60 4 3,062		3 762	3 60 1 2,300	11 36 10 26,164	36 8		B 24 6 2, 273	2 12 2 13,040		2 10,P51					3 3 3 3
7 40 362,091 160 263,617 39 31,989	62 2P, 196 8 4, 910 3 360	2	6 2,110 1	30 19,088 2 2,800	12	12	1,060 2 36 11	53 43,464 10 10,126	4,096 I		1, 320	6,984 2 2,945	30,112 2 2,011	750		3 3 4 4
739 631,034 269 127,949	58 31,940 21 6,746	5 870 2 156	24 9,242 17 4,275	29 21,P29 2,315	269 247,455 79 56,890	129 133,699 46 32,836	16 2P,969 2 21	46 52,844 15 3,936	66 51,886 29 28,979	12, 113	23 21, 557 10 2, 260	17 9,728 9 5,771	46 31,923 8 4,662		31 27,212 8 8,981	4
67 15, 67 5 22 10, 779	14 4,931		4,931		7 565 1 415	6 490	1 40	5 450			1 75 1 415				•••••	4
• • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·								5
69 204,403 121,470 (*)	1 2, 300 400			1 2,300 400	15 44,170 26,927 (*)	15 41,25P 26,027 (*)	11 2P, 378 14,894 (*)	2 11, 570 11, 120 (*)	2 1,310 23 (*)		1 2,912 900				······································	5
99 210, 191 73, 144 (*)	1 2,300 400			1 2, 300 400	44 75,533 9,140 (*)	27 59,293 7,931 (*)	9 27, 269 6,800 (*)	4 9,025 2 <sup>96</sup> (*)	14 23,000 545 (*)	440			4 2, 294 95	75	۶ ۹,551 121 (*)	16

## 1.1 - 24

## 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,

	[Interbasin enterprises are counted in each drainage basin in whic	n chey nau iri	-Igacion work		Central Great				encerprises,
					Truckee River		(	Carson River	
	Jtem (For definitions and explanations, see text)	Total	Honey Lake	Total	Lower Truckee River and Pyramid Lake	River direct	. Total	Carson Sink	Upper Carson River
	ALL ENTERPRISES		(1)		(2a)	(21)		(3a)	(3b)
1 2 3	Farms and land irrigated: All irrigation enterprises	(*) 547 13	8 14	(*) <sup>112</sup> 3	(*) 18	(*) 45 3	(*) <sup>132</sup> 4	(*) <sup>4</sup> 2	128 109 2
4 5 6 7 8	Farms irrigated direct per enterprise <sup>2</sup> farms 1950 Irrigated land <sup>3</sup> acres 1949. acres 1949. Average per enterpriseacres 1949. Average screage irrigated direct per enterprise <sup>2</sup> acres 1949.	3.7 354,541 327,113 648 664	1.0 684 1,063 86 86	4.7 39,282 46,025 351 356	7.0 5,561 9,443 309 309	4.2 33,721 36,582 355 361	6.5 131,326 90,974 995 1,003	149.0 83,723 55,980 20,931 20,931	2, 1 47, 603 34, 994 372 380
9 10 11 12	Type of enterprise, 1950: Single-farmacres irrigated. Mutual: Unincorporatedenterprises. acres irrigated	443 142,535 61 63,128	8 684	83 8,042 14 11,058	15 1,354 ( <sup>4</sup> )	68 6,688 13 10,832	89 24,642 31 16,036	( <sup>4</sup> ) <sup>2</sup>	87 24, 148 31 16, 036
13 14 15	Incorporatedarterprises acres irrigated Commercialenterprises	30 49,544 2		12 15,305	••••••	13 15,305 1	7 4,236 1		7 4,236 1
16 17 18	acres irrigated Districtenterprises acres irrigated	( <sup>4</sup> ) 3 96,547		( <sup>4</sup> ) ( <sup>4</sup> )	1 ( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> ) ( <sup>4</sup> )	1 (4)	(4) 
19 20 21 22	U. S. Bureau of Reclamationenterprises acres irrigated U. S. Bureau of Indian Affairs <sup>5</sup> acres irrigated acres irrigated	8 6,514	· · · · · · · · · · · · · · · · · · ·	1 433	1 433	· · · · · · · · · · · · · · · · · · ·	3 1,872	1 1, 178	2 694
23 24 25 26	Stateenterprises. acres irrigated. Cityenterprises. acres irrigated.	· · · · · · · · · · · · · · · · · · ·							
27 28 29 30 31 32	Use of surface, ground, pumped and stored water, 1949: Surface water: Gravity onlyacres irrigated Pumped onlyacres irrigated acres irrigated Gravity and pumpedacres irrigated acres irrigated	449 328, 144 10 2, 651 9 6, 499	7 584	95 37,889 1 1	15 5,003	81 32,886 1 1	102 117,167 3 348 4 1,220	4 83,723	98 33,444 3 348 4 1,220
33 34 35 36	Ground water only (pumped from wells)enterprises reporting acres irrigated Surface (gravity or pumped) and ground waterenterprises reporting acres irrigated Stored water:	26 1,230 53 24,755	1 100	8 313 8 1,623	1 80 2 478	7 233 6 1,145	6 75 17 13,598		6 75 17 13,598
37 38 39 40 41 42	None storedenterprises reporting. acres irrigated. Part stored acres irrigated. acres irrigated. All stored acres irrigated.	402 126,510 122 233,303 23 3,466	6 544 2 140	76 10,053 31 28,932 5 841	14 1,683 1 3,548 3 330	62 8,370 31 25,384 2 511	100 25,779 30 105,587 2 1,042	1 300 3 83,423	99 25,479 27 22,164 2 1,042
43 44 45 46	Sources of surface water, 1949: <sup>6</sup> Streams (and lakes) Springs	403 340, 675 159 59, 533	4 302 4 382	85 38,840 19 6,319	13 5,106 3 225	73 33,734 16 6,094	110 130,464 14 2,310	4 83,723 1 200	106 46,741 13 2,110
47 48 49 50	Flowing wellsenterprises reporting acres irrigated Drainage wateracres irrigated acres irrigated	39 9,959 21 10,364		5 295 12 8,125	1 150	295 11 7,975	5 1,364 6 1,534		5 1,364 6 1,534
51 52 53 54	Sewageenterprises reporting acres irrigated Other sourcesacres irrigated acres irrigated	•••••							
55 56 57 58	Drainage of irrigated land; <sup>7</sup> Irrigated land drained: Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area artificially drainedacres 1949 Inciented land is und of during acres 1939.	53 157,933 94,143 (*)	• • • • • • • • • • • • • • •	13 13,066 9,304 (*)	2 3,799 3,598 (*)	9,267 5,706 (*)	7 85,298 48,378 (*)	2 83,229 47,551 (*)	5 2,069 827
59 60 61 62	Irrigated land in need of drainage: Enterprises reportingacres 1949 Area supplied primary irrigationacres 1949 Area in need of drainageacres 1949 acres 1939	53 132,318 63,564 (*)		9 8,811 6,425 (*)	2 3,799 3,568 (*)	7 5,012 2,857 (*)	7 85,963 48,785 (*)	2 83,229 48,229 (*)	2,734 556

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

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

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

South Central Great Basin (III-C) Continued Walker River Dixie, Smith Smy Lower Steptoe Southwest Southwest Ralston, Southwest Ralston, Big Southwest Ralston, Big														Bonnev	ille Basin	(111-0)	
Total	Lower Walker River and Walker Lak	West Walker River	East Walker River	Smith Creek, and Fish Lake Valleys	Smoky Valley	Desert	Monitor, and Hot Creek Valleys	Railroad Valley	Grass, Diamond, and Newark Valleys	Ruby Valley	Clover Valley		Spring Valley	Total	Northwest Great Salt Lake Basin <sup>1</sup>	Snake Valley	
·· <u>·····</u> ·····	(4 <u>a</u> )	(4b)	(4c)	(6)	(7)	(8)	(11)	(12)	(13)	(14)	(15)	(16)	(17)		(1)	(5)	$\frac{1}{2}$
56 67 2	(*) <sup>25</sup> 1	(*) 23 23	(+)	33 56	23 27 1	(*)	(*) <sup>13</sup>	14 24 1	28 49 3			41 63 1	21 22 2	24 45	7 26	17 19	
6.1 82,706 73,921 1,477 1,604	8.6 49,843 38,903 1,994 2,147	4.7 22,924 25,879 997 1,120	9,939 9,139 994	6,946 7,628 210	0.9 6,457 6,316 281 281	1.0 3,430 1,645 132 132	1,0 4,566 7,282 351 351	2.1 3.814 9,753 272 272	1.0 18,397 19,998 657 657	1.0 19,033 29,033 705 705	9,990 13,290 588	1.1 13,131 9,253 320 320	0.9 14,779 10,932 · 704 704	1.1 12,076 6,933 503 503	1.0 7,040 3,995 1,006 1,006	1.1 5,036 2,938 296 296	!
25 9,472	9 1,408	9 1,714	6,350				13 4,566	13 3,342	28 18,397	27 19,033	17 9,990	40 12,755	21 14,779	21 11,176	7 7,040	14 4,136	
16 36,034	5 23,392	9 8,870	(4) 2														
11 30,003	8 18,642	3											• • • • • • • • • • • •	3		3 900	13
<sup>2</sup> ( <sup>4</sup> )	····· (4)	( <sup>4</sup> )	<u>1</u> ( <sup>4</sup> )				· · · · · · · · · · · · · · · · · · ·				·····		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	15 16 17 19
2	2 251							1 472				1 376			•••••	····	19 20 21 22
3,361	3,301							412							•••••		23
	•••••				·····	·····		•••••••••				· · · · · · · · · · · · · · · · · · ·	•••••		·····	· · · · · · · · · · · · · · · · · · ·	24 25 20
48 88,766 4 420 1 510	260	21 25,633	1 160 1	1,797	21 5,571		12 3,566	13 3,614 1 200	24 15, 176 2 1, 378	27 19,033		32 11,974 1 85 1 54	17 10, 528 1 3, 137		6 4,410 	13 4,611	27 28 29 30 31 32
3 122	1 6	2 116		3 134 11	2	3 448 3	1		2		[ 1	3 138 4				1 40 3	33 34 35 36
	6	7	5	2,110 28	886 20	1,313 20	1,000 12	13	1,843 19	27	288 17	880 32	1,114 16	3,015 18	2,630 3	385	37
8,639 35 80,962 3 217	3,972 17 49,363 2 212	15 24, 563	7,036		5,533 1 794 2 130	1,615 5 1,745 1 70	1	3, 493 1 321	1 1	19,033		10,167 8 2,963 1 1	13,419 2 870 3 490	4,220	3,159 3,871 1 10	4, 687 2 349	39 40 41
50 89,466 1 100	23 53, 441	19 25, 503 1 100	10 10,522	23 6,585 3 528	20 6,284 10 3,169	2 190 16 2,231	8 4,070 9 2,226	11 2,928 10 3,015	21 16,033 17 7,868	25 18.969 13 7,534	14 9,102 7 4,537	18 3, 497 27 11, 175	16 13,945 10 8,139	14 10,964 11 4,780	3 6,705 5 4,085	11 4, 259 6 695	43 44 45 46
2 130 1 100	1 100	2 130	· · · · · · · · · · · · · · · · · · ·	8 547 	6 1,375 1 600	6 1,861		2 900	3,077			1 10 1 5	400 	1 220		1 220	47 48 49 50
·····				· · · · · · · · · · · · · · · · · · ·							•••••						51 52 53 54
27 56,114 36,017	14 38,056 23,537 (*)	10 14,849 10,513 (*)	3 3,209 1,967 (*)	2 334 264	2 1, 521 130	1 40 10 (•)	(*)		1 830 10	730 30 (*)			·····	· · · · · · · · · · · · · · · · · · ·			55 56 57 58
8 13,981 5,922 (*)	9,711 2,477 (*)	3 1,428 603 (*)	1 2,842 2,842 (*)	1 250 229	2 806 25 130	(*) 11 10	2 750 505 (*)	1 400 10	1 142 5	13 14,908 679 (*)	5 2,469 365	2 191 34 (*)	2 3,607 570 (*)	1 40 40		1 40 40	

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## 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]

	of enterprises represents characteristics of the entire enterprise,			f California: Co	lorado River be	low Lees Ferry	(IV-B)	
						Virgin River		
	Item (For definitions and explanations, see text)	Total	Colorado River direct (11)	Total	Direct (3a)	Muddy River (3b)	Pahranagat Valley (3c)	White River (3d)
	ALL ENTERPRISES		(10)		(547	(54)	(30)	
1 2 3	Farms and land Irrigated: All irrigation enterprises	183 255 1 2.5	45 122 	138 133 1 3,0	12 6 	84 96 1 2.2	13 9 	29 22  2. 4
4 5 6 7 8	Irrigated land <sup>3</sup>	33,079 25,909 181 181	2,731 2,617 61 61	30,348 23,292 220 220	2,294 2,304 191 191	9,143 8,959 109 109	7,350 6,302 565 565	11,561 5,727 399 399
9 10	Type of enterprise, 1950: Single-farmenterprises acres irrigated.,	169 21,419	45 2,731	124 18,688	9 227	81 5,523	9 4,827	25 8,111
11 12 13 14	Mucual: Unincorporatedenterprises. Incorporatedenterprises. acres irrigated	4 442 9 10,944	· · · · · · · · · · · · · · · · · · ·	4 442 9 10,944	( <sup>4</sup> ) 1 ( <sup>4</sup> ) 2	<sup>2</sup> ( <sup>4</sup> )	( <sup>4</sup> ) <sup>3</sup> 2,304	( <sup>4</sup> ) 2 ( <sup>4</sup> ) 2
15 16 17 18	Conmercialenterprises. acres irrigated. Districtenterprises. scres irrigated.						· · · · · · · · · · · · · · · · · · ·	
19 20 21 22	U. S. Bureau of Heclamationenterprises acres irrigated U. S. Bureau of Indian Affairs <sup>5</sup> enterprises. acres irrigated.	1 302		1		1 302		
23 24 25 26	Stateenterprises acres irrigated Cityenterprises. acres irrigated.						······································	
27 28 29 30 31 32	Use of surface, ground, pumped and stored water, 1949: Surface water: Gravity onlyacres irrigated Pumped onlyacres irrigated Gravity and pumpedonterprises reporting acres irrigated Gravity and pumped	112 28,627 6 113 2 2 226	20 1,251	92 27,376 6 113 2 226	7 2,200 5 94	52 6,956 1 19 26 226	11 6,951	22 11,269
33 34 35 36	Ground water only (pumped from wells)enterprises reporting. acres irrigated. Surface (gravity or pumped) and ground waterenterprises reporting. acres irrigated.	39 1,609 24 2,532	18 346 7 1,134	21 1,263 17 1,398		16 767 13 1,203	2 399	3 97 4 195
37 38 39 40 41 42	Stored water: None stored	159 22,567 18 7,251 6 3,289	38 1,838 7 893	121 20,729 11 6,358 6 3,289	12 2,294	75 8,359 6 668 3 144	12 4,350  1 3,000	22 5, 726 5 5, 690 2 145
43 44 45 46	Sources of surface water, 1949: <sup>6</sup> Streams (and lakes)actes irrigated Springsenterprises reporting. acres irrigated.	84 19,018 52 18,990	4 72 2 67	80 18,946 50 18,923	10 2,281 1 7	46 6,961 30 2,527	6 1,639 8 6,659	18 8,065 11 9,730
47 48 49 50	Flowing wellsarterprises reporting acres irrigated Brainage wateracres irrigated acres irrigated	24 1,521 2 127	19 1,226	5 295 2 127	1 6	3 281 2 127	1 8 	· · · · · · · · · · · · · · · · · · ·
51 52 53 54	Sewageenterprises reporting acres irrigated Other sourcesacres irrigated acres irrigated	3 1,022	3 1,022					· · · · · · · · · · · · · · · · · · ·
55 56 57 58	Drainage of Irrigated land: <sup>7</sup> Irrigated land drained: Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area artificially drainedacres 1949 Irrigated land in need of drainage:	6 4,783 1,469 20		6 4,783 1,469 20		5 3,899 585 20	1 884 (*)	
59 60 61 62	Enterprises reportingenterprises 1949 Area supplied primary irrigationacres 1949 Area in need of drainageacres 1949 acres 1939	16 8,305 2,938 360		16 8,305 2,938 360	3 2,016 420	10 4,790 2,267 360	3 1,499 251 (*)	

\*Not available. <sup>1</sup>Drainage lasins in which less than 3 enterprises were remorted have leen combined as follows: Basin I-G-4 (Goose Creek) with Basin I-G-3, Basin III-A-3 (Cowhead and Warmer Lakes <sup>2</sup>Farms 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 Irrigated direct by 2 or more enterprises is counted only once. Acreage for 1939 is estimated acreage within revised drainage basin boundaries. <sup>4</sup>Data for less than 3 enterprises shown with permission of the enterprise. <sup>5</sup>Data for less than 3 enterprises shown with permission of the enterprise. <sup>6</sup>Enterprises reporting water from more than 1 source are counted for each. <sup>7</sup>For interlasin 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 interLasin enterprises, data represent characteristics within the drainage basin or State. Acreage irrigated direct by 2 or more enterprises is counted for each enterprise]

				Snake Ri	ver, Weiser,	Idaho, to K	ing Hill, Id	aho (I-F)	
			North			Owyhee Rive	r		Snake River, King Hill to American
	ltem (For definitions and explanations, see text)	The State	Pacific Coast, total	Total	Total	Direct	South Fork	Bruneau River	Falls, Idaho (J-G): Salmon Falls Creek <sup>1</sup>
	ALL ENTERPRISES	· · · · ·		<u> </u>		(5a)	(5c)	(7)	(3)
In	rigation works:			1	1			1	
1 2 3	Diversion dams	891 4,065 1,896	55 467 310	45 391 231		17 137 54	17 114 99	11 140 78	10 70
4	Diversion dams by material: Concrete or masonrydams 1950	348	27	26	19	8	11	1	
5 6 7	Timberdams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	256 2,953 508	6 426 R	352 8	5 219 8	3 126	2 93 8	133	74
91	Reservoirs	139 202	8 12	69	3		2	3	2
10 11 12	1940. Heservoirs for which capacity was reportedreservoirs 1950 total capacity, were-feet 1950	200 176 687,179	2 9 37,010	2 7 36,410	2 4 36,135	1 1 32,600	1 3,535	5 3 275	(*) 600
4	1940 Reservoirs by capacity: 1-99 acre-feet	696,005	(*)	(•)	(*)	32,000	(*)		(*)
5 6	100-999 acre-feetreservoirs 1950 1,000 acre-feet and overreservoirs 1950 Reservoir dams by material:	135 24 17	2 4 3	2 2 3	1	1	1		2
7 8 9	Concrete or masonrydams 1950. Earth and rockdams 1950. Other, mixed, mid not reporteddams 1950.	8 174 20	1 11	1 8	1 3	1	3	5	3
10 ( 11 2	Canals and ditches	721 3,388 2,897	25 212 449	20 193 384	17 183 351	2 94 93	15 89 258	3 10 33	5 19 (*)
4	Pipelines and siphons <sup>2</sup> enterprises reporting 1950 total length, miles 1950	75 123							•••••
5 6 1 7	1940 Funnelsenterprises reporting 1950	105 12	1	1 	1		1	· • • • • • • • • • • •	(*)
7 8   1 9   0	total length, feet 1950 Flowing wells	23,277 85 290	· · · · · · · · · · · · · · · · · · ·	•••••	* * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·	••••	• • • • • • • • • • • • • • • • • • •	•••••
1 F	1940 <sup>D</sup> umped wells	322 173 254						· · · · · · · · · · · · · · · · · · ·	(*)
3 4 5 6	1940 Wells for which pumping lift was reportedwells 1949 Average pumping liftfeet 1949 1939	167 225 51 31	(*)	1 (*)	1 	*****	1 (*)	· · · · · · · · · · · · · · · · · · ·	(*) (*)
7 1	Irrigation pumps	200 289					· · · · · · · · · · · · ·		•••••
9) 0  E 1  2		196 97 127 46	2	2	2	· · · · · · · · · · · · · · · · · · ·	2	•••••••••••	(*) 
3 C	Dther motors and engines used for pumpingenterprises reporting 1950 other motors and engines 1950	99 153			•••••		******		
5 Seas	son of irrigation, 1949:	146	2	(*)	(*)		(*)		(*)
7	ater delivered only before July 1enterprises reporting.   acres irrigated. ]	95 72,993	4 3,420	4 3, 420	3, 270	1 70	2 3, 200	1 150	
1	Water delivered before and after July 1,enterprises reporting acres irrigated	1,046 646,947	52 34, 273	41 27,162	31 22,562	16 10,817	15 11,745	10 4,600	11 7,111
1 }	ater delivered only after July 1acres reporting acres irrigated	14 3, 373		••••			•••••	•••••	••••••
2	<pre>ital investment: apital investment in irrigation works and water rights to Jan. 1, 1940</pre>	16,906,790	960,899	822,673	776,738	686,999	P9, 739	45,935	(*)
	New capital investment Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	536 3, 27 4, 686 400, 424	20 507,647 18,773	17 272,647 15,988	15 270,147 15,673	6 170,747 5,432	9 99,400 10,241	2 2,500 315	235,000 2,785
Inde	Total capital investment Jan. 1, 1950dollars 1950 btedness: Jutstanding bonds, construction cost, and other funded ohligations, Jan. 1, 1950:	20, 181, 476	1,468,546	1,095,320	1,046,885	857,746	189,139	48, 435	(*)
	Enterprises reporting	21 2,973,295 3,934,315				·····			(*)
	Area irrigated directarea 1949 Area arage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:	121,910				•••••	• • • • • • • • • •	••••	
1	Ouigacions, Jan. 1, 1930: Enterprises reporting	2 179,154							***********
2  3	Area irrigated directacres 1949.,	85,014			•••••			•••••	

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

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## IRRIGATION OF AGRICULTURAL LANDS

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

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

		No	rthwest Great	Basin (III-A	)	Humbol	dt River (II	I-B)
Item (For definitions and explanations, see text)	Great Basin, total	Total	Surprise Valley and Madeline Plains	Central Desert area <sup>1</sup>	Quinn River	Total	Di ree Total	et Below Imlay
			(4)	(5)	(8)			(1a)
ALL ENTERPRISES								
Irrigation works: Diversion damsdams 1950 dams 1950 1940	735 3,234 1,491	54 187 72	4 6 11	23 53 26	27 128 35	263 1,368 (*)	120 524 (*)	
Diversion dams by material: Concrete or masonrydams 1950. Timberdams 1950. Earth and rockdams 1950. Other, mixed, and not reporteddams 1950.	295 217 2, 291 431	17 17 151 2	6	2 10 41	15 7 104 2	113 93 996 166	67 40 327 90	7
Reservoirs	110 159	12 15	2	8 11	2 2	28 36	19 22	3
1940 Reservoirs for which capacity was reportedreservoirs 1950 total capacity, acre-feet 1950 1940	157 136 635,238 (*)	10 14 7,284 (*)	2 2 160 (*)	8 10 7,001 4,341	2 123	(*) 31 239,825 (*)	(*) 17 238,701 (*)	(*) 203,200 (*)
Reservoirs by capacity: 1-99 arre-feet	106 18 12	5 7 2	1 1	2 6 2	2	23 4 4	12 1 4	
Reservoir dama by material: Concrete or masonry	7 133 19	1 11 3	2	1 8 2	1 1	2 28 6	2 17 3	•••••
Canals and ditchesenterprises reporting 1950 total length, miles 1950 1940	603 2,873 2,267	47 194 150	3 9 6	25 130 89	19 55 55	198 841 (*)	97 439 (*)	14 75 (*)
Pipelines and siphons <sup>2</sup> enterprises reporting 1950 total length, miles 1950 1940	69 115 93	3 7 2		3 7 2		10 20 (*)	7 (•)	(*)
Tunnelsenterprises reporting 1950 total length, feet 1950 Flowing wells	10 22, 977 61 258 214	14 98 103	15	14 98 88		7 23 (*)	6 22 (*)	·····
Pumped wells	109 166 119 152 54 (*)	7 12 26 8 50 99		3 3 10 2 22 56	4 9 16 6 60 43	20 25 (*) 24 52 (*)	(*) 18 18 18 18 17 50 (*)	(*) (*)
Irrigation pumpsenterprises reporting 1950 pumps 1950 1940 Electric motors used for pumpingenterprises reporting 1950.	128 188 145 55	7 12 27	- 	3 3 10	4 9 17	21 28 (*) 16	19 21 (•) 15	(*)
electric motors used for pumpingelectric motors 1950 1940	68 36					(*)	(*) <sup>15</sup>	
Other motors and engines used for pumpingenterprises reporting 1950 other motors and engines 1950 1940	73 116 104	6 11 27		3 3 10	3 8 17	10 15 (*)	8 10 (•)	(*)
Season of irrigation, 1949: Water delivered only before July 1enterprises reporting acres irrigated. Water delivered before and after July 1enterprises reporting.	91 69,398 823 580,544	25 17,277 44 13,904	1 350 5 556	3 741 31 9,920	21 16, 186 8 3, 428	51 39,600 246 208,820	20 24,750 132 109,578	1 29,03
acres irrigated. Water delivered only after July 1acres irrigated. acres irrigated.	11 3,278	13,904		9,920	3, 428 1 18	200,820	107,010	
Capital investment: Capital investment in irrigation works and water rights to Jan. 1, 1940	15,210,918	136, 279	14,681	R0, 448	41, 150	(*)	(•)	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950: Enterprises reporting	403 2, 343,701 358,114 17,554,619	23 87,707 13,452 223,986	1 100 160	14 51,040 2,867 131,488	8 36,567 10,425 77,717	159 400,376 124,089 (*)	72 276,481 50,321 (*)	114,87 6,29 (*)
Indebtedness: <sup>4</sup> Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950: Enterprises reportingdollars 1950 Amount	16 2,877,679 3,918,616 116,287	2 17,979		101, 40 4, 996 200	12,983 2,962	2 956,429 (*) 999	949,275 (*)	
obligations, Jan. 1, 1950: Enterprises reporting	2 179,154 ¤4,978							

See footnotes at end of Drainage Pasin 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]

		Humbo	ldt River (	III-B) —Con	tinued					South Cen	tral Great B	asin (III-C)	)			T
Dir	ect										Truckee River			Carson Bive	r	
Imlay to Palisade	Above Palisade	Little Humboldt River	Reese River	Pine Creek	South Fork	North Fork	Lamoille Creek	Total	Honey Lake	Total	Lower Truckee River and Pyramid Lake	Upper Truckee River direct	Total	Carson Sink	Upper Carson Biver	
(1b)	(lc)	(2)	(3)	(4)	(5)	(6)	(7)		(1)		(2a)	(2b)		(3a)	(3b)	
45 160 (*)	66 353 (*)	22 67 133	23 171 90	18 69 72	45 190 77	8 162 80	31 185 (*)	402 1,532 (*)	6 6	80 111 (*)	(*)	69 94 (*)	108 175 (•)	2 (*)	106 173 91	1 2 3
38 12 102 8	22 28 221 82	20 1 19 27	7 15 130 19	10  43 16	2 22 159 7		13 165 7	161 107 1,101 163	1 5	27 8 71 5	2 1 13 1	25 7 58 4	38 32 78 27	1 1	37 32 77 27	4 5 6 7
10 10 (*) 5,463 (*)	6 8 (*) 30,038 (*)	· · · · · · · · · · · · · · · · · · ·	3 4 4 503	2 5 5 23	3 4 4 595	1 1 1 3 	(*) (*)	64 98 (*) 388,053 (*)	2 4 5 4 410 127	10 18 (*) 12 16,134 (*)	(*) 5 (*) 5 2,105 (*)	8 (*) 7 14,029 (*)	7 10 (*) 8 296,621 (*)	2 3 (*) 296,600 (*)	5 7 3 7 21 3, 201	8 9 10 11 12 13
8 1 1	2 1		3	5	22	1		74 7 6	1 3	8 1 3	2 1 2	6 1	7	1	7	14 15 16
1 9	1 4 3	· · · · · · · · · · · · · · · · · · ·	3 1	32	••••••• 4 •••••	1 1	· · · · · · · · · · · · · · · · · · ·	4 84 10	4	2 12 4	1 3 1	1 9 3	10	3	7	17 18 19
33 233 (*)	50 134 (*)	16 61 139	17 139 79	5 24 10	38 78 13	2 5 55	28 95 (*)	353 1,826 (*)	5 10 3	75 359 (*)	13 60 (•)	63 299 . (*)	81 538 (*)	4 (*)	77 242 134	20 21 22
4 10 (*) 5 13 (*)	2 (*) 	1	2 6 1 1 1	1 1 6 		1 	(+) 	55 86 (*) 22,977 39 136 (*)		12 19 (*) 8 17,577 5 7 (*)	4 (*) 2,500 (*)	8 (*) 7 15,077 5 7 (*)	12 16 (*) 1,000 5 10 (*)	(+) 	12 16 10 1,000 5 10 1	23 24 25 26 27 28 29 30
14 14 (*) 13 54 (*)	4 (*) 4 37 (*)	1 2 4 80 (*)	1 3 1 25 (*)				(*) (*)	77 123 (*) 114 55 (*)	1 1 7 1 10 36	(*) (*) 16 39 (*)	(*) 3 51 (*)	(*) 13 (*) 13 36 (*)	23 31 (*) 31 65 (*)	(+) (+)	23 31 16 31 65 30	31 32 33 34 35 36
(*) 15 17 (*) 12 12 (*)	4 (*) 3 3 (*)	1 4 1 2	1 3 1	·····	·····		·····(*)	95 142 (*) 39 51 (*)	1 1 8 1 2 2	16 19 (*) 9 9 (*)	(*) 2 (*)	(*) 13 15 7 7 7	30 39 (*) 19 (*)	(•) (•)	30 39 27 19 20 17	37 38 39 40 41 42
5 7 (*)	2 2 (*)	1 2 4	1 3 1				(*)	52 85 (*)	6	4 6 (*)	1 1 (*)	3 5 (•)	11 15 (*)	(*)	11 15 10	43 44 45
19 24, 350 43 29, 234 1 6	1 400 70 51,314	15 7,906 4,207 1	10 4,549 14 17,028	6 1,445 12 8,384 	47 32, 123	2 950 7 10,273	32 27, 227	15 8,771 515 352,124 7 624	6 494	3 1,209 105 38,480 1 30	17 5, 556	3 1,209 89 32,924 1 30	3 727 126 131,527 2 2	4 83,723	3 727 122 47,804 2 2	48 49 50
(*)	(*)	56,790	41,899	40,018	14, 360	136,757	(*)	(*)	27,896	(•)	(•)	(*)	(•)	(•)	388,942	1
35 107,514 22,617 (*)	33 54,092 21,414 (*)	6 4,280 3,857 61,070	16 66,445 16,042 108,344	4 17,600 4,305 57,619	39 22, 191 27, 307 36, 551	2 4,400 3,610 141,157	23 8,979 18,647 (*)	213 1,815,981 217,138 (*)	1 2,000 12 29,896	38 528,164 17,937 (*)	11 435,111 5,190 (*)	27 92,053 12,747 (*)	49 432,845 101,314 (*)	3 167,247 83,423 (*)	46 265,598 17,891 654,540	54
	······································		1 7,154 	·····	· · · · · · · · · · · · · · · · · · ·		····(•)	1,903,271 (*)		3 393,505 (*) 7,091	2 392,005 (*) 3,981	1,500 (*) 3,110	5 1, 190, 523 (*) 84, 613	2 1, 173, 634 (*) 83, 229	3 16,299 1,384	59
	• • • • • • • • • • • •							2 179,154 82,051					1 136 82,051	1 136 82,051		62

### 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,

		tral Great Pas	sin (III-C)—(	Continued				
		Walker	River		Dixie,			
Item (For definitions and explanations, see text)	Total	Lower Walker River and Walker Lake (4a)	West Walker River (4b)	East Walker River (4c)	Smith Creek, and Fish Lake Valleys (6)	Pig Smoky Valley (7)	Southwest Desert (8)	Balston, Monitor, Not Cree Valleys (11)
ALL ENTERPRISES							,	(11)
Irrigation works: Diversion dams	26 35 53	(*)	9 13 (*)	5 10 (*)	12 36 73	19 148 39	6 (*)	(•)
Concrete or masonrydams 1950 Timberdams 1950 Earth and rock	10 4 18 3	6 3 3	4 9	4	229 5	24 7 112 5	1 1 6	
Reservoirs	5 7 5 73,090 93,280	(*) 13,050 (*)	(*)	(*) (*)	6 7 24 6 777 259	3 4 3 4 207	(*) (*) 420	(*)
Reservoirs by capacity: 1-99 acre-feet	3 1 2	2 1			358 5 1	620 3 1	(*) 7	(+)
Concrete or masonrydams 1950 Earth and rockdams 1950 Other, mixed, and not reporteddams 1950	1 6	1 2	4		7	4	1 7	
Canals and ditches 1950 total length, miles 1950 1940	43 317 288	20 163 (*)	18 110 (*)	6 44 (*)	20 82 77	18 84 60	9 11 (*)	(•)
Pipelines and siphons <sup>2</sup> enterprises reporting 1950., total length, miles 1950. 1940 Tunnels	3 2 3 1	2 (•)	(*) 1 (*) 2	(*)	9 20 12	1	(*)	( <sup>3</sup> ) (*)
total length, feet 1950 Flowing wells	4,400 2 4 14	(•)	4,400 2 4 (*)	(*)	8 37 41	 б 22 18	6 19 (*)	(*)
Pumped wells	3 3 3 57 5	(*) 1 10 (*)	(*) (*) 81 (*)	(•) 	14 36 11 35 54 30	2 3 1 2 30 (*)	6 10 (*) 10 85 (*)	(*) (*)
Irrigation pumps	8 11	4 5 (*)	22	2	15 36	23	6 10	
Electric motors used for pumpingenterprises reporting 1950 electric motors 1950 1940	3 6 7 2	(*) (*)	(*) 2 (*)	(*) 	13 1 7	1	(*) (*)	(*) 
Other motors and engines used for pumpingenterprises reporting 1950 other motors and engines 1950 1940 Season of irrigation	2 4 1	(*)	(*)	2 4 (*)	14 29 12	2 3 1	(*) <sup>6</sup> 11	(*)
Water delivered only before July 1enterprises reporting.,	55 89,658	25 53, 547	23		32	2 120 19	26	1
Water delivered only after July 1enterprises reporting acres irrigated Capital investment: Capital investment in irrigation works and water	1 160	53, 34/	25,749	10,362 1 160	6, 31A 	6,245	3, 430	4,4 
rights to Jan. 1, 1940	1,696,862 32 215,476	(*) 14 69,520	(*) 12 124, 104	(*) 6 21,852	84,608 18 148,170	84, 334 9 18, 844	(*) 14 108,005	(*) 17,7
Area irrigated directares 1949 Total capital investment Jan. 1, 1950dollars 1950 Indebtedness: <sup>4</sup> Outstanding honds, construction cost, and other funded obligations, Jan. 1, 1950:	215,476 57,915 1,912,338	69,520 36,369 (*)	13,844 (*)	21,252 7,702 (*)	2, 195 232, 778	18,944 1,981 103,178	2,404 (*)	3,4 (*)
Enterprises reportingdollars 1950. Amountdollars 1950 1940 Area irrigated directacres 1949 Arearage in payment of principal or interest on bonds, construction cost, and other funded	5 319,243 493,000 20,422	3 (*) 10,105	2 15,000 (*) .9,917	7,200 (*) - 400			· · · · · · · · · · · · · · · · · · ·	(*)
obligations, Jan. 1, 1950: Enterprises reportingdollars 1950 Amountdollars 1950 Area irrigated direct	1 179,018 2,963							

Not available. IDTrainage basins in which less than 3 enterprises were reported have been combined as follows: Basin J-G-4 (Goose Creek) with Basin I-G-3, Basin III-A-3(Cowhead and Warner Lakes area) with Basin II-A-5, and Rasin III-D-2 (Southwest Great Salt Lake) with Prsin III-D-1. Ppipelines in farm-distribution systems were included in 1940, not included in 1950. SLess than 0.5. <sup>4</sup>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

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

	South Centra	1 Great Bas	sin—Continu	red (III-C)	· · · · · · · · · · · · · · · · · · ·	Ponne	ville Basin	(III-D)	G	ulf of Cali	formin: Col	orado Biver	below Lees	Ferry (IV-	P)	
Railroad Valley	Crescent, Grass, Diamond, and Newark	Ruby Valley	Clover Valley	Steptoe and Goshute Valleys	Spring Valley	Total	North- west Great Salt Lake	Snake Valley	Total	Colorado River direct	Total	Direct	Virgin River Muddy River	Pahra- nagat	White Biver	
(12)	Valleys (13)	(14)	(15)	(16)	(17)		Posin <sup>1</sup> (1)	. (5)		(1b)		(3a)	(3b)	Valley (3c)	(3d)	1
			- (10)	(10)								(04)				1
14 40 18	26 316 110	27 221 41	17 189 15	34 109 45	18 97 20	20 147 50	5 127 27	15 20 23	102 364 95	6 7 3	96 357 92	4 4 2	62 139 77	7 23 6	23 191 7	
13 5 21 1	р 26 261 21	4 162 55	3 1 165 20	2 86 21	26 61	4 43 100	27 100	4 4	26 33 236 69	5 2	26 33 231 67	1 3	6 25 75 33	10 13	10 بع 142 31	1
1 8 1 2 746	9 16 2 16 231 (•)			0 14 29 14 150 800	5 7 4 7 9 9	6 10 13 4 76 46	4 8 9 2 33 27	2 2 4 2 43 19	22 31 41 14, 931 0, 381	5 6 9 6 78 18	17 25 32 25 14,853 9,363	3	9 15 12 15 554 1,763	1 3 1 4, 200 3, 361	7 9 14 9 10,099 4,237	
1	16			14	7	4	2	2	27 2 2	6 6	21 2 2		14 1 	i	7 1 1	
1	10 6			14	7	10	8	2	30 1	б	24 1	• • • • • • • • • • • • • • • • • • •	15		9	ļ
9 50 17	14 100 20	26 82 7	15 41 10	20 72 41	14 64 8	9 12 01	2 3 69	7 9 12	95 301 181	10 15 9	85 286 172	12 29 13	47 137 116	8 36 29	18 84 14	
3 2 1 1 1 1	5 11 4 4 33 4	· · · · · · · · · · · · · · · · · · ·	( <sup>3</sup> ) <sup>1</sup> 	2 2 4 1 1 1	8 12 5 1 2	1 2 8 1 1	6	1 2 2 1 1 1	6 8 11 2 300 24 32 108	1 1 2  19 21 109	5 7 9 2 300 5 11	1 1 100 1 1	4 6 5 1 200 3 5	1 1 1 5	3	
	2 2 2 2 104 (*)		1 1 3 1 60 (*)	7 11 6 11 29	2 2 4 2 22 22 112	5 6 4 59 (*)	1 2 2 85 (*)	4 4. 2 4 46 (*)	64 8R 47 73 45 63	25 34 36 23 53 42	39 54 11 50 42 21		30 42 11 38 37 21	2 5 5 70	7 7 7 45	
	4 4 2	· · · · · · · · · · · · · · · · · · ·	1 1 3 	8 11 6 3 6	3 3 4	5 6 5	1 2 2	4 	72 101 49 42 59 10	25 34 38 16 24 5	47 67 11 26 35 5	5 6 1 3 3	33 48 10 23 32 5	25	78	
	4 4 2		1 1 2	5 6 6	2 2 3	5 5 4	1 1 2	4 4 2	26 37 40	4 5 33	22 32 7	2 2 1	11 17 6	2 5 	7 բ	1
14 3,814	2 610 25 17,239	1 25 26 19,00P	1 700 16 9,290	1 5,200 39 7,759 1 100	19 14,447 2 332	$1 \\ 3,750 \\ 22 \\ 5,696 \\ 1 \\ 2,630$	1 3,750 5 660 1 2,630	17 5,036	1 175 172 32, 130 3 95	2,225	1 175 132 29,905 3 95	$     \begin{array}{c}       10 \\       2,259 \\       2     \end{array} $	82 8,995	12 7, 150	20 11,501 1 60	
24, 115	154, 566	7,620	7,340	45, 144	64, 205	352, 427	310,021	42, 406	734,973	124, 376	610,597	68,649	404,013	51, 280	86,655	
6 44,500 1,701 68,699	11 137,496 10,566 292,052	1 130 350 7,750	2 10,130 1,3RR 17,470	13 41, 276 4, 4PP P6, 420	14 51, 165 11, 417 115, 370	8 39,637 3,435 392,064	1 7,520 81 317,541	7 32, 117 3, 354 74, 523	114 423, 338 23, 537 1, 158, 311	27 105,575 1,041 229,951	87 317,763 22,496 928,360	11 12,920 2,103 01,569	47 155, 354 6, 520 559, 367	10 110,009 6,405 161,289	19 39,480 7,388 126,135	
								· · · · · · · · · · · · · · · · · · ·	95,616 15,699		5 95,616 15,699 5,623	1 800 463 1,017	2 56, 289 15, 236 3, 122	2 38,527 1,484		Į
								•••••			• • • • • • • • • •					

## 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

				Snake Ri	ver, Weiser,	Idaho, to K	ing Hill, Id	aho (I-F)	
			North			Owyhee Rive	r		Snake River, King Hill to
	Item (For definitions and explanations, see text)	The State	Pacific Coast, total	Total	Total	Direct	South Fork (5c)	Bruneau River	American Falls, Idaho (1-G): Salmon Falls Creek
	ALL ENTERPRISES			···.		(38)	(36)	(1)	(3)
1 2 3 4 5 6	Cost of water to farms, 1949: <sup>2</sup> Total cost of water to farms: Enterprises reporting	0.86	57 3,507 40,904 0,09 0,09 (4)	47 2,907 33,793 0.09 0.09 (4)	36 2,527 29,043 0.09 0.09 (*)	17 1,554 10,887 0,14 0,14 (4)	19 973 18,156 0.05 0.05 (*)	11 380 4,750 0.08 0.08 (4)	10 600 7.111 0.08 0.08 ( <sup>4</sup> )
7 8 9 10	Enterprises by cost per acre: less than \$1.00acres irrigated \$1.00-\$1.99scres irrigated acres irrigated	878 491,233 72 155,838		47 33,793		17 10,887	19 18,156	11 4,750	10 7,111
11 12 13 14 15 16	\$2.00-\$4.99 acres irrigated \$5.00-\$9.99 \$10.00 and over scres irrigated \$10.00 and over	40 8,275 81	·····						
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	1,164 616,250 722,896 0.85	57 3,507 40,904 0,09	47 2,907 33,793 0.09	36 2,527 29,043 0.09	17 1,554 10,887 0.14	19 973 18,156 0.05	11 380 4,750 0,08	10 600 7,111 0.08
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting	23 13,349 8,812 1.51				• • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>5</sup> Enterprises reporting	228,691		•••••			·····		· · · · · · · · · · · · · · · · · · ·
29 30 31	Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup> Enterprises reportingdollarsdollars Amount	7 47,717 104,319							·····
32	SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprisesenterprises Area irrigated	1,021 445,409	56 36, 227	46 29,116	35 24, 366	16 6,210	19 18,156	11 4,750	10 7,111
33 34 35	Complete-system enterprises <sup>7</sup> enterprises. Area irrigated	966	56, 227 56 36, 227	46 29,118	24, 308 35 24, 366	16 6,210	18,130 19 18,156	4,730 11 4,750	10 7, 111
36 37 38	Other farms irrigated: Enterprises reportingnumber. Number of other farmsfarms. Area irrigated in other farms	10 16 926							
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>7</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesacres irrigated All of water from other enterprisesenterprises reporting. acres irrigated. All of water from other enterprises	972 421, 102 31 20, 123 18 4, 184	56 36, 227	46 29,116	35 24, 366	16 6,210	19 18,156	11 4,750	10 7, 111
45 46 47 48 49 50 51	Enterprises by primary and supplemental irrigation; All primaryacres irrigated Part primary, part supplementalenterprises reporting. Primary irrigationacres irrigated. Supplemental irrigationacres irrigated. All supplemental	1,013 443,918 1 20 207 5 1,264	56 36,227	46 29,116	35 24, 366	16 6,210	19 18,156	11 4,750	10 7, 111
52 53 54 55	Enterprises by number of acres Irrigated: <sup>7</sup> Noneenterprises reporting. 1-9 wortesenterprises reporting. 10-29 acresenterprises reporting. 30-59 acresenterprises reporting.	2 117 109 120	·····2 4	 2 3		2 1			
56 57 58 59 60	60-99 acres	98 154 213 99 109	4 7 20 8 11	4 7 15 7 8	3 6 10 5 7	2 4 3 2 2	1 2 7 3 5	1 1 5 2 1	5 1 3

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]

	Nor	thwest Grea	t Basin (II	I-A)				- <u></u>	Humbol	dt River (I	II-B)					
Great Basin, total	Total	Surprise Valley and Madeline Plains	Central Desert area <sup>1</sup>	Quinn River	Total	Total	Di Below Imlay	Imlay to Palisade	Above Palisade	Little Humboldt River	Reese River	Pine Creek	South Fork	North Fork	Lamoille Creek	
	ļ	(4)	(5)	(8)			(la)	(1b)	(1c)	(2)	(3)	(4)	(5)	(6)	(7)	
931 559, 217 657, 697 0.85 0.86 0.30	73 9,617 33,456 0,29 0,29 (4)	6 0 906 0,00 0,00 0,00	1,400	32 6, 217 21, 888 0, 38 0, 38 (4)	298 117,046 248,886 0.47 0.47 0.16	153 101, 615 134, 794 0.75 0.75 0.25	18 77,527 29,030 2.67 2.67 0.89	63 18,837 53,590 0,35 0,35 (4)	72 5, 251 52, 174 0, 10 0, 10 0, 03	21 9,082 12,113 0.75 0.75 ( <sup>4</sup> )	24 1,165 21,577 0.05 0.05 ( <sup>4</sup> )	18 400 9,829 0.04 0.04 ( <sup>4</sup> )	47 2,996 32,123 0.09 0.09 0.03	9 435 11,223 0.04 0.04 ( <sup>4</sup> )	32 1,353 27,227 0,05 0.05 0.02	
723 428,861 68 154,817	67 31, 340 1 169	6 906	31 10, 313 1 169	30 20,121	265 212,616 2 5,535	121 100, 583 4 5, 507	5 530 1 70	49 47, 936 2 5, 427	67 52,117 1 10	18 10,082	24 21, 577 	18 9,829	46 32, 110 1 13	9 11, 223	31 27, 212 1 15	1
78 70,055 18 2,569 44 1,395	3 1,909 1 18 1 20		2 160 1 20	1 1,749 1 18	17 30, 475 2 14 12 246	14 28, 444 2 14 12 246	12 28,430	2 14 10 213	2 14 2 33	3 2,031	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·····		1 1 1 1
926 545,917 648,913 0.84	73 9,617 33,456 0.29	6 0 906 0.00	35 1,400 10,662 0.13	32 8,217 21,888 0.38	298 116,912 248,840 0.47	153 101,481 134,748 0,75	18 77, 393 28, 984 2.67	63 18,837 53,590 0.35	72 5,251 52,174 0.10	21 9,082 12,113 0,75	24 1,165 21,577 0.05	18 400 9,829 0.04	47 2,996 32,123 0.09	9 435 11,223 0,04	32 1,353 27,227 0.05	1' 10 19 20
22 13, 300 8, 784 1.51	•••••			·····	1 134 46 2.91	1 134 46 2.91	1 134 46 2.91				·····			· · · · · · · · · · · · · · · · · · ·		2222
72 149,310 223,370 0.66	•••••		· · · · · · · · · · · · · · · · · · ·		14 30,583 31,499 0.97	10 30,398 28,793 1.06	9 29,658 27,314 1.09		1 740 1,479 0,50		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	2 120 1,399 0.09		2 65 1,307 0,05	222
6 42,292 101,499	•••••					·····			•••••			•••••	· · · · · · · · · · · · · · · · · · ·		••••	2' 3' 3
798 387,763 753 359,550	71 30, 294 70	6 906 906	34 10,462 34	341 18,926 30 17,177	268 203,758 260 199,597	138 102, 309 134 100, 789	9 1,716 5 196	53, 590 53, 590 53, 590	66 47,003 66 47,003	21 10,446 18 8,185	23 20, 578 22 20, 198	18 9,829 18 9,829	37 24,787 37 24,787	9 11, 223 9 11, 223	28 24,586 28 24,586	3
7 10 913	28, 545		10, 462		3 4 355	2 3 100		2 3 100		1 1 255				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		33
758 363,725 24 19,904 16 4,134	71 30, 294	6 906	34 10,462	31 18,926	262 201, 397 2 841 4 1, 520	134 100,789 4 1,520	5 196 4 1, 520	63 53, 590	66 47,003	20 9,985 1 461		18 9,829	37 24, 787	9 11, 223	28 24, 586	4 4 4
790 386,272 1 20 207 5 1,264	71 30, 294	6 906	34 10,462	31 18,926	267 203,758	138 102, 309	9 1,716	63 53, 590	65 47, 003	20 10,446	23 20, 578	18 9,829	37 24, 787	9 11, 223	28 24, 586	444
2 80 72 80	2 10 9	 	2 4 5	 6 3	1 19 16 17	 18 11 13	1 1 2	 13 9 4		1 1 1	1 2	······ ····· 1	 1		1 1 1	55 55 55 55
69 131 179 88 97	9 9 16 5 11	1 2 1 1	5 4 9 3 2	3 3 6 2 8	18 29 81 38 49	12 15 29 15 25	1 1 2 1	5 6 9 5 12	6 8 18 9 13	1 11 3 3	3 2 7 5 3	1 5 4 2 4	1 19 8 7		1 5 8 4 8	5

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

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[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 .

-				South	Central Grea	t Basin (III-	C)		]
		·		1	ruckee River		. 0	arson River	
	Item (For definitions and explanations, see text)	Total	Honey Lake	Total	Lower Truckee River and Pyramid Lake (2a)	Upper Truckee River direct (2b)	Total	Carson Sink (3a)	Upper Carson River (3b)
	ALL ENTERPRISES								
1 2 3 4 5 6	Cost of water to farms, 1949: <sup>2</sup> Total cost of water to farms: Enterprises reporting	542 429,253 363,279 1.18 1.21 0.42	8 225 684 0.33 0.33 (4)	111 66,035 39,826 1.66 1.68 0.49	18 8,674 5,561 1.56 1.56 0.39	93 57,361 34,265 1.67 1,70 0,50	130 188, 514 132, 40P 1, 42 1, 44 0, 46	4 165,557 83,723 1.98 1.98 ( <sup>4</sup> )	126 22,957 48,695 0,47 0,46 0,16
7 8 9 10	Enterprises by cost per acre: Less than \$1.00acres irrigated \$1.00-\$1.99acres irrigated acres irrigated	381 173,254 60 149,113	7 644 	55 13, 351 22 13, 478	10 1, 570 1 3, 554	45 11,781 21 9,924	97 43,770 11 85,265	1 300 2 82, 245	96 43, 470 9 3, 0 <i>2</i> 0
11 12 13 14 15 16	\$2.00-\$4.99acres irrigated. acres irrigated. \$5.00-\$9.99acres irrigated. acres irrigated. \$10.00 and overacres irrigated. acres irrigated.	56 37,323 14 2,460 31 1,129	1 40	20 12,041 6 750 8 206	5 309 2 128	15 11,732 4 622 8 206	13 1,867 4 1,460 5 46	1 1,178	13 1,867 3 282 5 46
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	537 416,087 354,541 1,17	8 225 684 0,33	109 65,535 39,282 1,67	18 8,674 5,561 1.56	91 56,861 33,721 1,69	127 186,074 131,326 1,42	4 165,557 83,723 1.98	123 20,517 47,603 0,43
21 22 23 24	Cost of water for supplemental irrigation: Enterprises reporting	21 13,166 8,738 1.51		5 500 544 0.92		5 500 544 0.92	7 2,440 1,082 2,26		7 2,440 1,082 2,26
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>5</sup> Enterprises reporting	5A 118,727 191,871 0.61		19 12,286 26,630 0,46	1 2,621 3,548 0,73	18 9,665 23,082 0.41	12 64,619 88,663 0,72	2 63,083 83,229 0,76	10 1,536 5,434 0,29
29 30 31	Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup> Enterprises reporting	6 42, 292 101, 499		3 1,773 5,537	1 1,393 3,548	2 380 1,989	1 33,421 82,051	1 33,421 82,051	
32	SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprisesenterprises	443	8	83	15	6P	89	2	87
33	Area irrigatedacres	142, 535	6P 4	8,042	1,354	6,688	24,642	(6)	24,148
34 35	Complete-system enterprises <sup>7</sup> Area irrigatedacres	406 120,452	8 684	72 7,100	15 1,354	57 5,746	75 10,015	(6) 1	74 9,821
36 37 38	Other farms irrigated: Enterprises reportingnumber Number of other farmsfarms Area irrigated in other farmsacres	4 6 558		1 1 20		1 1 20	1 3 78		1 3 78
39 40 41 42 43 44	Enterprises by origin of water supply:" No water from other enterprisesacres irrigated Part of water from other enterprisesenterprises reporting. acres irrigated. Ali of water from other enterprisesenterprises reporting. acres irrigated. acres irrigated. acres irrigated. acres irrigated. acres irrigated.	409 121,078 22 18,843 12 2,614		73 7, 566 6 324 4 152	15 1, 354	58 6,212 6 324 4 152	75 10,015 13 13,602 1 1,025	( <sup>6</sup> ) 1 ( <sup>6</sup> )	74 9,821 12 13,302 1 1,025
45 46 47 48 49 50	Enterprises by primary and supplemental irrigation: All primaryacres irrigated Part primary, part supplementalenterprises reporting Primary irrigationacres irrigated Supplemental irrigationenterprises reporting All supplementalenterprises reporting.	436 141,044 20 207 5	8 684	81 7, 552 2	15 1, 354	66 6, 199  2	85 23,641 20 207 3	( <sup>6</sup> ) 2	83 23, 147 1 20 207 3
51 52 53 54 55	acres irrigated. Enterprises by number of acres irrigated? None	1, 264 1 5F 43 51	·····	490 26 9 11		490 24 6 8	774 15 8 5		774 15 8 5
56 57 58 59 60	30-19 altes.       enterprises reporting.         60-99 acres.       enterprises reporting.         100-199 acres.       enterprises reporting.         200-499 acres.       enterprises reporting.         500-999 acres.       enterprises reporting.         1,000 acres or more.       enterprises reporting.	39 89 78 47 37	2 3 1 	5 20 10 2	2 3 2	3 17 8 2	10 18 23 5 5	1	10 17 23 4 5

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

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## 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]

				Sou	th Central	Great Basi	n (III-C)	-Continued						Bonnevi	lle Basin	(III-D)	Γ
Total	Walke Lower Walker River and Walker Lake (4a)	r River West Walker Hiver (4b)	East Walker Biver (4c)	- Dixie, Smith Creek, and Fish Lake Valleys (6)	Big Smoky Valley (7)	Southwest Desert (A)	Ralston, Monitor, and Hot Creek Valleys (11)	Bailrond Volley (12)	Crescent, Grass, Diamond, and Newark VnII eys (13)	Ruby Valley (14)	Clover Valley (15)	Steptoe and Goshute Valleys (16)	Spring Valley	Total	Northwest Great Salt Lake Pasin <sup>1</sup> (1)	Snake Valley (5)	
55 124, 244 89, 818 1. 38 1. 50 0. 56	24 71, 255 53, 547 1, 33 1, 43 0, 5?	22 42,777 25,749 1,66	10 10,212 10,522 0.97 1.03 0.37	33 9,635 6,946 1,39	22 3, 406 6, 457 0, 53 0, 53 ( <sup>4</sup> )	26 25,750 3,430 7,51	13 0 4,566 0,00	14 1,122 3,814 0.29 0.29 ( <sup>4</sup> )	28 3,977 18,397 0,22	27 0 19,033 0,00 0,00 0,00	17 500 9,990 0.05 0.05 ( <sup>4</sup> )	41 2,095 13,131 0,16 0,16 ( <sup>4</sup> )	21 3,750 14,779 0.25 0.25 ( <sup>4</sup> )	23 3, 301 12, 076 0. 27 0. 27 0. 09	7 1, F00 7, 040 0, 26 0, 26 ( <sup>4</sup> )	16 1,501 5,036 0,30 0,30 ( <sup>4</sup> )	
20 24,910 19 44,723 11 19,855 2 208 3 122	6 13,885 9 29,766 9,778 1 112 1 6	8 10,765 2 9,917 1 96 2	5 5,170 4 4,192 1 160	1,797 6 1,140	19 3, 597 2 854 1 6		13 4, 566	12 2,942 2 772	2	27 19,033	16 9,702 1 2PR	35 12,751 232 232 22 2 126	19 14,065 1 470 1 244	10 11, 651 1 3 348 1 77		11 4,611 1 3 348 1 77	1
55 114,018 82,706 1,38	24 66,316 49,843 1,33	22 38,516 22,924 1.68	10 9,186 9,939 0.92	33 9,635 6,946 1,39	22 3,406 6,457 0,53	26 25,750 3,430 7.51	13 0 4,566 0.00	14 1,122 3,814 0.29	28 3,977 18,397 0,22	27 0 19,033 0.00	17 500 9,990 0.05	41 2,095 13,131 0,16	21 3,750 14,779 0,25	23 3,301 12,076 0.27	7 1,800 7,040 0,26	16 1,591 5,036 0,20	1 1 1 2
9 1^, 226 7, 112 1, 44	5 4,939 3,704 1.33	3 4,261 2,825 1,51	1 1,026 583 1,76	· · · · · · · · · · · · · · · · · · ·			•••••									* * * * * * * * * *	2222
28 41,822 76,578 0.54	14 24,882 49,176 0,51	12 14,847 23,230 0,64	3 2,093 4,172 0.50		•••••		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		2222
3 7,098 13,911	2 6,651 9,707	1 253 3,804	1 194 400						•••••	• • • • • • • • • • • • • • • • • • •							233
25 9,472 14 3,118	9 1,408 4 151	9 1,714 7 381	7 6,350 2,586	33 6,946 32 6,786	23 6,457 22 6,457	26 3,430 26 3,430	13 4,566 13 4,566	13 3,342 13 3,342	28 18, 397 28 18, 397	27 19,033 27 19,033	17 9,990 17 9,990	40 12,755 40 12,755	21 14,779 21 14,779	21 11,176 20 10,955	7,040 7,040 7,040	14 4,136 13 3,916	33
1 1 60 14	1 1 60								1 1 400 28				21				2020
3, 118 4 4, 917 7 1, 437	151 	301 2 1,333	2, 586 2 3, 584 2	6,946	6,457	3, 430	4,566	3, 342	18,397	19,033		12,755	14,779	10,956 1 220		3,916 1 220	44444
25 9,472			7 6, 350	33 6,946 					18,397	· · · · · · · · · · · · · · · · · · ·	17 9,990	40 12,755			7,040	14 4,136	4 4 4 5 5
3 2 4 2 6 <sup>.</sup> 2 3	2 1 1 3 1 1	1 3 2 2 2	1 1 1 1 1 2	2 6 10 1 4 6 2	1 1 2 4 5 3 5	3 3 6 3 7 3	1 1 1 2 4 3	1 		2 1 2 2 	1 1 2 2 P	3 6 4 10 4 4	1 2 5 3 4	1 3 3 3 4 4	1 1 1 2	1 2 2 4 2	555555555555555555555555555555555555555

#### 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]

			Gulf of	California: Co	lorado River be	low Lees Ferry	(IV-B)	
						Virgin River		
	Item (For definitions and explanations, see text)	Total	Colorado River dírect (1b)	Total	Direct (3a)	Muddy River (3b)	Pahranagat Valley (3c)	White Ríver (3d)
	ALL ENTERPRISES				(/	(2-)		
1 2 3 4 5 6	Cost of water to farms, 1949: <sup>2</sup> Total cost of water to farms: Enterprises reporting	183 66,875 33,107 2,02 2,02 0,49	45 7,259 2,731 2,66 ( <sup>4</sup> )	138 59,616 30,376 1.96 1.96 0,49	12 9,237 2,294 4.03 4.03 0.88	84 32,029 9,171 3.49 3.50 0.66	13 10,448 7,350 1.42 1.42 0,43	29 7, 002 11,51 0,68 0,69 0,22
7 8 9 10	Enterprises by cost per acre: Less than \$1.00acres irrigated \$1.00-\$1.99enterprises reporting acres irrigated	99 21,46P 5 1,021	19 2,212	80 19,256 5 1,021	5 244	48 3, 381 4 971	7 4,632	20 10,999 1 50
11 12 13 14 15 16	\$2.00-\$4.99acres irrigated. acres irrigated. \$5.00-\$9.99arres irrigated. acres irrigated. \$10.00 and overacres irrigated. acres irrigated.	20 4, 243 22 5, 706 37 669	3 282 6 138 17 99	17 3,961 16 5,56e 20 570	3 999 1 1,017 3 34	10 1,044 9 3,426 13 349	4 1,918 2 800	4 325 4 187
17 18 19 20	Cost of water for primary irrigation: Enterprises reporting	193 66,826 33,079 2.02	45 7,259 2,731 2,66	138 59,567 30,348 1.96	12 9,237 2,294 4.03	84 31,980 9,143 3.50	13 10,448 7,350 1.42	29 7,902 11,561 0,68
21 22 23 24	Enterprises reporting	1 49 28 1.75	•••••	1 49 28 1.75	•••••	1 49 28 1.75	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
25 26 27 28	Cost to farms for purposes other than operation and maintenance: <sup>5</sup> Enterprises reportingenterprises Cost	4 8,600 5,321 1.62		4 8,600 5,321 1.62	1 990 1,017 0,97	1 3,012 2,820 1.07	2 4,598 1,484 3.10	· · · · · · · · · · · · · · · · · · ·
29 30 31	Arrearage in payzmeté by farms, Jan. 1, 1950; <sup>5</sup> Enterprises reporting	1 5,425 2,820		1 5,425 2,820	•••••	1 5, 425 2, 820	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
32	SINGLE-FARM ENTERPRISES, 1950 Single-farm enterprisesenterprises	169	45	124	9	81	9	25
33 34		21,419	2,731 45	18,688	227 8	5,523 76	4,827	8,111 21
35 36 37 38	Area irrigated	21,128 3 6 13	2,731 3 6 13	18,397	205	5, 389		7,976
39 40 41 42 43 44	Enterprises by origin of water supply: <sup>7</sup> No water from other enterprisesenterprises reporting Part of water from other enterprisesenterprises reporting All of water from other enterprisesenterprises reporting acres irrigated All of water from other enterprises	160 21,150 7 219 2 50	45 2,731	115 18,419 7 219 2 50	9 227	76 5,389 4 119 1 15	9 4,827	21 7,976 3 100 1 35
45 46 47 48 49 50	Enterprises by primary and supplemental irrigation: All primaryacres irrigated. Part primary, part supplementalenterprises reporting Primary irrigationscres irrigated. Supplemental irrigationenterprises reporting All supplemental	169 21, 419	45 2,731	124 18,688	9 227	81 5, 523	9 4,827 	25 P,111
51 52 53 54 55	Enterprises by number of acres irrigated: Noneexterprises reporting. 1-9 acresenterprises reporting. 10-29 acresenterprises reporting. 30-59 acresenterprises reporting.	••••	23 11 4	14 24 32	3 2 3		  1 1	 1 3 5
56 57 58 59 60	30-39 acres.       enterprises reporting.         60-99 acres.       enterprises reporting.         100-199 acres.       enterprises reporting.         200-499 acres.       enterprises reporting.         500-999 acres.       enterprises reporting.         100 acres or more.       enterprises reporting.	36 25 16 14 4 2	4 2 4 1	32 23 16 10 3 2	3	24 12 13 4 1	2 1 2 1 1	8 2 4 1 1

<sup>1</sup>Drainage basins in which less than 3 enterprises were reported have been combined as follows: Basin I-G-4 (Goose Creek) with Basin I-G-3, Basin III-A-3 (Cowhead and Warner Lakes area) with Basin III-A-5, and Basin III-D-2 (Southwest Great Salt Lake) with Basin III-D-1, <sup>2</sup>Enterprises with reported cost of \$0 in 1949 are included. <sup>3</sup>Average cost per irrigated acre divided by calculated average quantity of water per acre. (Drainage Basin Table 1, Part 4, Line 66.) <sup>4</sup>Average not given because the number of enterprises reporting quantity of water was not sufficient to provide satisfactory data. <sup>5</sup>Not reported by single-farm enterprises. <sup>6</sup>Data for less than 3 enterprises not shown separately. <sup>7</sup>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.

## 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]

		1		Hu	mboldt River	(111-B)		
Item	The State <sup>1</sup>	Great Basin,			Direct		Saush	
(For definitions and explanations, see text)	Ine State	totali	Total <sup>1</sup>	Total	Below Imlay	Above Palisade	South Fork	Lamoille Creek
					(la)	(1c)	(5)	(7)
MULTIPLE-FARM ENTERPRISES, 1950		141	32	16	10	6	10	
Aultiple-farm enterprises, total number <sup>2</sup>	157 286, 299	269, 934	45,128	32,485	27, 314	5, 171	7,336	2,64
ultiple-purpose enterprises*agres.	93, 645	89, 941						
Area irrigated direct	76 147, 340	61 131, 501	22 17,814	6 5,171		5, 17 1	7,336	2,64
storprises by prigin of Water SUDDIY."	78	62	23	7	. 1	б	10	
No water from other enterprisesacres irrigated	153, 484	137,119	17,814	5, 17 1		5,171	7,336	2,64
Part of water from other enterprisesenterprises reporting acres irrigated	28 30, 503	28 30,503						
All water from other enterprisesenterprises reporting	51 102, 312	51 102, 312	9 27,314	9 27,314				•••••
acres irrigated	102, 512	102,022						
No water delivered direct to farms onlyenterprises reporting.			28	12	6	6	10	2,6
acres tritgaced	157,449	142, 549 18	36,728	24,085	18,914 3			
Water delivered to farms and to other enterprisesenterprises reporting acres irrigated	128,850	127, 385	8,400	8,400	8,400 1			
Water delivered to other enterprises onlyenterprises reporting Enterprises by primary and supplemental irrigation: <sup>3</sup>	5	5	1	1			10	
All primaryacres irrigated	133 249,043	119 233, 204	30 43,098	14 30,455	25,284	5, 171	7,336	2,6
Dent primer part supplemental	17	16 29, 417	1,984	1 1,984	1 1.984	· · · · · · · · · · · · · ·		
Primary irrigation	29,915 7,341	7, 313	46	46	46			
All supplemental irregation								
retermined by surboy of forme inclusted direct: <sup>2</sup>	e	5	,	1	1			
Noneenterprises reporting.	64	59	18	6	3	3 3	9	
1-3	42	42	84	2	2		i	<i></i>
	12	9	1	1	1			
100-299enterprises reporting.	2 1	i						
1 000						•••••		
I, 000 of more Enterprises by acres irrigated direct: <sup>2</sup> Noneenterprises reporting	5	5	1	1	1			
1-99 acresenterprises reporting.	84	76	18	6	2	4	8 2	
100-999 acres	39 18	35 17	3	3	3			•••••
	2 1							
30,000 acres of more			32	16	10	6	10	I
Total obtained from all sources <sup>4</sup>	157 13	141	, 10	10	53	19,063	21 27,996	9.
acre-feet.	1,578,171	1,367,151			213,985	6	10	
Surface sources	1,190,540	979,546	181,605	138,063	119,000	19,063	27,996	9, <i>*</i>
Pumped wellsacre-feet.	26							
Other enterprises	79 387,605	387,605		94,985				
Conveyance loss <sup>4</sup> enterprises reporting	136	122 198,076	22	7	25,500	3,436		
	201, 514	1 · · ·		15	0	6	10	
Delivered:* Direct to farms	152 931, 394	136	31 135,312	1	81, 597	15,627	24,662	8.
To other enterprises	25	23		100,888	100,888			
Ecretice	16	9	1	1	1			
Delivered direct to farms for primary irrigation: <sup>3</sup>	. 39,997	28,150				6	10	
The second s	150 835,180	135		97,073	81,446	15,627	24,662	8, 2,
Quantity deliveredacres.	278,958	262,621	45,082	32,439			7,336	2, 2,
Quantity supplied per acre								
		17,848	151					
Quantity deliveredacres.	7,341	7,313	3 46					
Quantity supplied per acreacre-feet.								
			0 77,95					
Cost for primary irrigationdollars.		0.5	4 0.58		4 134	• • • • • • • • • • •		
Average cost per acre-lout						)		
Neasurement of water to farms, 1949. <sup>3</sup> No water measured	, 118	10			6			
			2 17,81					
Part of water measured		10,90	5					
All water measuredacres irrigated.	. 29							

## 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

	South Central Great Basin (III-C)							
			Truckee River	Carson River				
Item (for definitions and explanations, see text)	Total <sup>1</sup>	Lower Truckae Total River and Pyramid Lake (2a)		Upper Truckee River direct (2b)	Total <sup>1</sup>	Upper Carson River (3b)		
MULTIPLE-FARM ENTERPRISES, 1950								
Multiple-farm enterprises, total number <sup>2</sup> enterprises.	104	29	3	27	43	1		
Area irrigated directacres Multiple-purpose enterprises <sup>2</sup>	220,744	31,784	4,207	27,577	107,766	24,		
Area irrigated directacres	89,941	6,672	3, 548	3,124	83,269	1,		
Complete-system enterprises <sup>7</sup> acres.	34 109,625	7,314	4,207	3,107	23 96,015	13,		
Area irrigated directacres Enterprises by origin of water supply: <sup>2</sup>		1,519		5,101	50,015	10		
No water from other enterprisesenterprises reporting acres irrigated	34 115,243	7,314	4,207	3,107	94,489	12,		
Part of water from other enterprisesenterprises reporting	28	. 19		19	9			
acres irrigated All water from other enterprisesenterprises reporting	30,503 42	23,746		23,746	6,757	6.		
acrea irrigated	74,998	724		724	6, 520	5		
Enterprises by delivery of irrigation water: <sup>2</sup> No water deliveredenterprises reporting	}			}				
Water delivered direct to farms onlyenterprises reporting	85	20	2	18				
acrea irrigated,. Water delivered to famms and to other enterprisesenterprises reporting,.	101,759	15,270	659	14,611	21,075	19		
acres irrigated.	15 118,985	16,514	3,548	12,966	86,691	4		
Water delivered to other enterprises onlyenterprises reporting	4	1		2	2	"		
Enterprises by primary and supplemental irrigation: <sup>3</sup> All primaryenterprises reporting.	85	95	2	22	38			
acres irrigated.	186,044	30, 567	4,207	26, 360	106,984	23,		
Part primary, part supplementalenterprises reporting Primary irrigationacres irrigated	15 27,433	3 1,163		3	3			
Supplemental irrigation	7,267	1,163		1,163	681			
All supplementalacres irrigated.	•••••	· · · · · · · · · · · · · · · · · · ·						
Enterprises by number of farms irrigated direct: <sup>2</sup>	•••••							
Noneenterprises reporting. 1-3enterprises reporting.	4	1	•••••	2	2			
4-9enterprises reporting.	38 33	7	1	6 11	22 14			
10-29enterprises reporting. 30-99enterprises reporting.	21	4		4	3			
100-299enterprises reporting.	7	5	1	4	1	• • • • • • • • • • •		
300-999enterprises reporting.	1	1	1	******	1			
1,000 or moreenterprises reporting Enterprises by acres irrigated direct: <sup>2</sup>	•••••	• • • • • • • • • • • • • • • • • •	•••••					
Noneenterprises reporting.	4	1		2	2			
1-99 acres	6 54	2		2	3			
1,000-2,999 acresenterprises reporting	24	16 6	2	14	28 8			
3,000-9,999 acres	14	3		3	ĭ			
30,000 or more	1			•••••				
Quantities of water reported, 1949: Total obtained from all sources <sup>4</sup> enterprises reporting	104	-				*********		
percent of all enterprises reporting.	19	29 27	17	27 28	43			
acre-feet Surface sources	1,067,290	512, 215	367,550	150,885	487,032	121,		
some fast	62 774,670	27 452,754	3 367,550	25 91,424	30 455,728	95,		
Pumped wells								
Other enterprises Other enterprises reporting	70		*****	21		•••••		
acre-feet Conveyance loss <sup>4</sup> enterprises reporting	292, 620	59,461		59,461	31,304	25,		
acre-feet.	95 157,679	28 111,491	80 FO	26	39			
Delivered:*			89,504	22, 387	102,417	13,		
Direct to farmsacre-feet	100 643,293	28 364 211	3	25	41			
To other enterprises	19	364,211 9	272,028 1	92,183 9	341,241	70,		
For use other than irrigation	244,168	16,508	6,018	16, 310	41,229	35,		
acre-feet.	22,150	20,005	••••••	20,005	$3 \\ 2,145$	2,		
Delivered direct to farms for primary irrigation: <sup>3</sup> Enterprises reportingenterprises				20,003	2,140	2,		
Quantity delivered	100 625,596	28 108,757	3 16,752	25	41			
Area supplied primary irrigation Quantity supplied per acre	213,477	31,730	4,207	92,005 27,523	330,297 107,665	69, 24,		
Delivered direct to farms for supplemental irrigation;	2.9	3,4	4.0	3.3	3,1	- •1		
Enterprises reporting	15	3		3	3			
Area supplied supplemental irrigation	17,697	178 54		178	307			
Quantity supplied per acre	2.4	3.3		54 3.3	101 3.0			
Total quantity per irrigated acre <sup>5</sup> ost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>	2.9	3.4	4.0	3.4	3.1			
Cost for primary irrigation	341, 365	59,851	6,973	52,878	174,205	9.		
Average cost per acre-footdollars Cost for supplemental irrigationdollars	0.55	0.55	0,42	0.57	Ó.53	ó		
Average cost per acre-footdollars easurement of water to farms, 1949: <sup>3</sup>	0.58	60 0.34		60 0,34	49 0.16	0		
easurement of water to farms, 1949:" No water measuredenterprises reporting						v		
acres irrigated.	76 65,686	20 13,604	2 659	19 12,945	38	00		
Part of water measuredacres irrigated	6	3		3	21,274	20,		
acres irrigated	10,905 18	2,321	••••••	2,321	4,122	4,		
			, j j	5 )				

<sup>76</sup> 10,007 10,007 12,011 12,0

## 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]

South Central Great Basin (III-C)—Continued Bonneville Basin (III-I					Basin (III-D)	Gulf of California: Colorado River below Lees Ferry (IV-B)						
Walker Fiver						Virgin River						
Total	Lower Walker River and Walker Lake (4a)	West Walker River (4b)	East Walker River (4c)	Total	Snake Valley Total (5)	Total	Total	Direct (3a)	Muddy Biver (3b)	Pohranagat Valley (3c)	White River (3d)	
31 80,346	16 52,139	14 24,035	3 4, 172	3 900	3 900	14	14 11,688	3 2,067	3 3,648	2, 523	4 3,450	1
3 5,448	1 2,963	2,485		3900	3900	3,704 13 11,162	1 13	3	2,820 2 3,122	884 4 2, 523	4 3,450	ţ
4 12,592	2	[	1 400	3 900	3	11,102 14 11,638	14	2,007	3,122	2, 523 4 2, 523	4 3,450	4
			2	900		11,000						
67,754	12	21,550 	3,772				12		2	4	4	
64,566 3 15,780	36,759	24,035 1	3,772 1 400	900	00e	10,223 2 1,465	10,223 2 1,465	1,128 1 939	3,122 1 526	2,523	3,450	
21 47,645	10 27,973	10 18,925	2 747	2 900	2 900	13 11,162	13 11,162	3 2,067	2 3,122	4 2, 523	4 3,450	
25,589 7,112	5 20,462 3,704	3 2,285 2,825	1 2,842 583	•••••		1 498 28	1 498 28		1 498 28		· · · · · · · · · · · · · · · · · · ·	22.22
1 9	1			·····	·····						·····	
7 13 1	4 9 1	4	1 	1	1 	6 3	6 3	2	1 1 1	3	2	
•••••	•••••	•••••	•••••		• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			****			3
1 1 8 10 10	1  8 6	. 1 6 2 5	2	3	3	2 8 4	2 8 4	1 2	2 1	4	2 1 1	
1	0 1	J 			•••••	•••••						4
31 57 422,445 4 220,590	16 64 340,781 2 213,990	14 61 262,854 3 200,590	3 30 206,790 1 193,990	3 12 15,200 3 15,200	3 18 15,200 3 15,200	14 8 75,294 13 75,268	14 10 75,294 13 75,268	3 25 14,469 3 14,469	3 4 36, N20 3 36, B20	4 31 9,930 4 9,930	4 14 14,075 3 14,049	3   4
27						1 26	1 26				1 26	4
201,855 27 30,720	126,791 14 19,502	62,264 11 8,108	12,800 2 3,110	3 4,450	3 4,460	12 14, 592	12 14, 592	2 3, 500	3 6,281	4 1,577	3,234	
30 199,276 4	128,830 4	14 79,851 1	28,785 1	3 10,740	3 10,740	14 48,445 2	14 48,445 2	10, 569 1	3 19,078 1	4 8,257	4 10,541	5
192,449	192, 449	174,895	174,895		· · · · · · · · · · · · · · · · · · ·	410 7 11,847	410 7 11,847	110 2 290	300 2 11,161	1 96	2 300	
30 182,064 73,234 2,5	15 119,297 48,435 2.5	13 53,376 21,210 2,5	3 9,391 3,589 2,6	2 2,740 900 3,0	2 2,740 900 3,0	14 47,239 11,660 4.1	14 47,239 11,660 4.1	3 9,408 2,067 4,6	3 19,033 3,620 5,3	4 8,257 2,523 3,3	4 10,541 3,450 3,1	5 5 6 6
9 17,212 7,112 2,4 2,7	5 8,387 3,704 2.3 2,7	3 7,380 2,825 2,6 2,8	1 1,445 \$83 2.5 2.8	3.0	 	1 45 28 1.6 4.1	1 45 28 1.6 4.1	4.6	1 45 28 1.6 5.3	3.3	3,1	66
106,687 0.59 10,226 0,59	66,893 0.56 4,939 0.59	35,863 0.67 4,261 0.58	3,931 0,42 1,026 0,71	0.00	0.00	37,880 0,80 49 1,09	37,880 0.80 49 1.09	7,657 0.81	18,736 0,98 49 1,09	8,168 0,99	3, 319 0, 31	66
16 29,960 1	6 20,570 1	9 9,043	1 347	3 900	3 900	14 11,688	14 11,688	3 2,067	3 3,648	<b>4</b> 2, 523	4 3,450	7
4,462 12 38,059	4,462 9 27,107	3 7,127	2 3,825			•••••	••••••	····	·····		•••••	7