

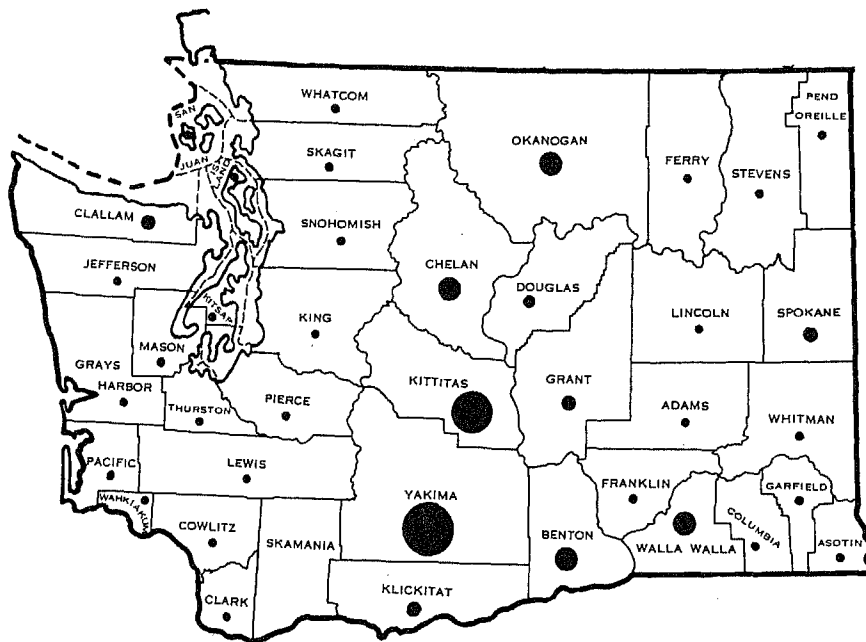
# IRRIGATION OF AGRICULTURAL LANDS

## WASHINGTON

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**LEGEND**

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

**WASHINGTON: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949**

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, 2</sup> (number)	Irrigated acreage reported by—		Irrigation enterprises (number)	Total capital investment in irrigation enterprises (dollars)
				Farms <sup>1</sup> (acres)	Irrigation enterprises (acres)		
1950.....	60,820	17,369,245	16,928	589,035	618,129	5,963	178,289,988
1945.....	79,887	16,719,870	15,974	520,153	(*)	(*)	(*)
1940.....	81,665	15,181,815	17,426	393,982	615,013	4,120	56,415,196
1935.....	84,381	14,680,997	18,186	422,335	(*)	(*)	(*)
1930.....	70,904	13,533,778	15,949	505,027	499,283	2,986	40,561,895
1920.....	66,288	13,244,720	13,271	(**)	529,899	2,692	29,399,011
1910.....	56,192	11,712,235	7,664	(**)	344,378	1,934	16,219,149
1900.....	33,202	8,499,297	3,513	135,470	(*)	(*)	1,722,360
1890.....	18,056	4,179,190	1,046	48,799	(*)	(*)	196,560

\*Not available.  
 \*\*Available data not comparable.  
<sup>1</sup>Census of Agriculture.  
<sup>2</sup>Farms reporting irrigated land, 1950, 1945, 1909, and 1890 Censuses; farms reporting irrigated cropland harvested, and/or irrigated pasture, 1940 Census; farms reporting irrigated cropland harvested, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.  
<sup>3</sup>Irrigated land from which crops were harvested, plus 84,821 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 (For definitions and explanations, see text)	Census of —			
	1950	1940	1930	1920
Enterprises..... total number..	5,263	4,120	2,986	2,692
Enterprises by type:				
Single-farm..... number..	4,822	3,874	2,786	(*)
Mutual:				
Unincorporated..... number..	273	78		(*)
Incorporated..... number..	82	73	115	(*)
Commercial..... number..	3	4	10	(*)
District..... number..	71	66	62	(*)
U.S. Bureau of Reclamation <sup>1</sup> ..... number..	3	12	3	(*)
U.S. Bureau of Indian Affairs..... number..	2	1	7	(*)
State..... number..	.....	4	3	(*)
City..... number..	4	.....	.....	(*)
Other..... number..	.....	.....	.....	(*)
Irrigated land, total <sup>2</sup> ..... acres..	618,129	615,013	498,283	529,899
Acreage irrigated, by type of enterprise: <sup>3</sup>				
Single-farm..... acres..	144,607	115,064	88,015	142,215
Mutual:				
Unincorporated..... acres..	39,697	23,748	92,743	93,192
Incorporated..... acres..	57,293	67,228	.....	.....
Commercial..... acres..	1,780	7,290	9,471	21,705
District..... acres..	260,243	129,946	97,772	79,948
U.S. Bureau of Reclamation <sup>1</sup> ..... acres..	37,740	320,961	118,667	122,869
U.S. Bureau of Indian Affairs..... acres..	4115,353	118,637	92,367	69,510
State..... acres..	.....	159	245	200
City..... acres..	977	8,644	.....	.....
Other..... acres..	.....	.....	.....	290
Acreage irrigated, by source of water: <sup>3, 5</sup>				
Streams (and lakes)..... acres..	613,786	759,158	462,502	482,234
Springs..... acres..	12,466	9,828	4,033	7,869
Flowing wells..... acres..	3,833	2,073	1,541	3,602
Pumped wells..... acres..	50,415	20,755	20,424	21,409
Sewage..... acres..	730	( <sup>6</sup> )	35	.....
Other and not reported..... acres..	128,174	613,893	16,318	19,131
Irrigated land artificially drained..... acres..	158,705	178,044	172,039	79,168
Irrigated land in need of drainage..... acres..	77,174	18,673	28,084	43,461
Irrigation works:				
Diversion dams..... total number..	1,861	1,755	499	579
Reservoirs..... number..	222	114	78	205
Total capacity (reported)..... acre-feet..	6,436,522	1,165,527	699,807	477,789
Reservoir dams..... total number..	222	125	100	115
Canals and ditches..... total length, miles..	4,984	4,249	3,635	5,615
Pipe lines..... total length, miles..	1,514	2,613	1,137	790
Flowing wells..... number..	69	50	42	60
Pumped wells..... number..	2,098	1,041	1,019	520
Average pumping lift (reported)..... feet..	50	43	(*)	(*)
Pumps..... number..	5,125	2,488	2,023	1,059
Average pumping lift from all sources..... feet..	(*)	47	59	60
Capital investment, total..... dollars..	178,289,988	56,415,196	40,561,895	29,399,011
Capital investment by type of enterprise:				
Single-farm..... dollars..	9,604,993	4,246,697	4,467,599	4,732,706
Mutual:				
Unincorporated..... dollars..	558,635	352,094	4,162,417	3,949,896
Incorporated..... dollars..	4,930,419	4,691,822	682,507	2,341,428
Commercial..... dollars..	864,810	765,810	10,170,631	6,112,628
District..... dollars..	14,781,153	13,317,182	15,542,597	10,441,145
U.S. Bureau of Reclamation <sup>1</sup> ..... dollars..	141,610,997	27,675,132	5,492,844	1,658,040
U.S. Bureau of Indian Affairs..... dollars..	45,843,603	5,271,081	43,300	55,668
State..... dollars..	16,555	16,555	.....	.....
City..... dollars..	78,823	78,823	.....	.....
Other..... dollars..	.....	.....	.....	7,500

\*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 "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" enterprises is included for each type of enterprise and for each source of water.  
<sup>4</sup>Data for less than 3 enterprises shown with permission of the enterprise.  
<sup>5</sup>Data for 1940, 1930, and 1920 combined as follows: "Stored storm water" with "Streams and lakes"; "City water" and "Other mixed" with "Other and not reported."  
<sup>6</sup>Data for less than 3 "Sewage" enterprises included with "Other and not reported."

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S. B. P. projects <sup>1</sup> 2	Commercial, Indian, State, city, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users <sup>1</sup>		
<b>ENTERPRISES: FARMS AND LAND IRRIGATED</b>									
Number of enterprises.....enterprises 1950..	5,263	4,822	273	82	74	3	11	8	9
.....enterprises 1940..	4,120	3,874	78	73	66	12	(*)	(*)	17
Farms irrigated direct per enterprise.....farms 1949..	4.2	1.0	5.0	26.6	138.8	230.3	431.7	453.5	274.3
Area irrigated direct.....acres 1949..	658,190	144,607	39,697	57,793	260,243	37,740	163,725	149,425	118,110
.....acres 1939..	799,677	115,064	23,748	67,228	129,946	328,961	(*)	(*)	134,730
Average per enterprise.....acres 1949..	125	30	145	705	3,517	12,580	14,884	18,678	13,123
<b>CHARACTERISTICS OF ENTERPRISES, 1949</b>									
Multiple-purpose enterprises.....enterprises..	23	.....	3	6	10	2	1	.....	2
Area irrigated direct.....acres..	71,421	.....	307	1,563	64,789	2,262	56,750	.....	2,500
Complete-system enterprises.....enterprises..	4,403	4,097	227	42	29	1	1	.....	7
Area irrigated direct.....acres..	235,877	121,914	36,309	35,590	36,170	2,262	3,190	.....	3,632
Enterprises by origin of water supply:									
No water from other enterprises.....enterprises reporting..	4,517	4,141	256	64	47	2	1	.....	7
.....acres irrigated..	266,062	121,920	38,672	42,877	56,699	2,262	3,190	.....	3,632
Part of water from other enterprises.....enterprises reporting..	119	106	.....	4	8	.....	1	.....	1
.....acres irrigated..	177,246	6,691	.....	10,369	45,708	.....	23,106	134,277	114,478
All water from other enterprises.....enterprises reporting..	627	575	17	14	19	1	9	.....	3
.....acres irrigated..	214,882	15,996	1,025	4,547	157,836	35,478	137,429	15,148	.....
Enterprises by delivery of irrigation water:									
No water delivered.....enterprises reporting..	44	44	.....	.....	.....	.....	.....	.....	.....
Water delivered direct to farms only.....enterprises reporting..	5,100	4,778	233	45	37	1	4	3	6
.....acres irrigated..	258,456	144,607	33,862	26,805	47,444	2,262	10,076	15,648	3,476
Water delivered to farms and to other enterprises.....enterprises reporting..	113	.....	38	36	36	1	7	5	2
.....acres irrigated..	399,734	.....	5,835	30,988	212,799	35,478	153,649	133,777	114,634
Water delivered to other enterprises only.....enterprises reporting..	6	.....	2	1	1	1	.....	.....	1
Enterprises by primary and supplemental irrigation: <sup>3</sup>									
All primary.....enterprises reporting..	4,882	4,556	229	46	43	1	6	2	7
.....acres irrigated..	431,585	134,899	29,232	24,611	126,949	2,262	90,503	4,313	113,632
Part primary, part supplemental.....enterprises reporting..	139	39	37	33	28	1	5	6	1
.....acres irrigated..	186,544	1,951	6,302	26,236	112,238	35,409	65,684	140,252	4,408
Supplemental irrigation.....acres irrigated..	30,401	1,224	2,885	6,428	19,725	69	7,538	4,860	70
All supplemental.....enterprises reporting..	192	183	5	2	2	.....	.....	.....	.....
.....acres irrigated..	9,660	6,533	1,278	518	1,331	.....	.....	.....	.....
Enterprises by number of farms irrigated direct:									
None.....enterprises reporting..	50	44	2	1	1	1	.....	.....	1
1-3.....enterprises reporting..	4,901	4,764	128	5	2	.....	.....	.....	2
4-9.....enterprises reporting..	158	14	114	20	9	.....	.....	.....	1
10-29.....enterprises reporting..	79	.....	27	33	17	.....	.....	.....	2
30-99.....enterprises reporting..	47	.....	2	20	23	1	4	.....	1
100-299.....enterprises reporting..	17	.....	.....	3	14	.....	4	4	.....
300-999.....enterprises reporting..	8	.....	.....	.....	6	1	2	2	1
1,000 or more.....enterprises reporting..	3	.....	.....	.....	2	.....	1	1	1
Enterprises by acres irrigated direct:									
None.....enterprises reporting..	50	44	2	1	1	1	.....	.....	1
1-29.....enterprises reporting..	3,475	3,409	58	5	1	.....	.....	.....	2
30-99.....enterprises reporting..	1,198	1,082	106	7	2	.....	.....	.....	1
100-499.....enterprises reporting..	431	276	94	33	27	.....	.....	.....	1
500-999.....enterprises reporting..	50	8	8	21	11	.....	.....	.....	2
1,000-2,999.....enterprises reporting..	33	3	4	10	14	1	4	2	1
3,000-9,999.....enterprises reporting..	20	.....	1	5	14	.....	3	3	.....
10,000-29,999.....enterprises reporting..	2	.....	.....	.....	2	.....	1	1	.....
30,000 or more.....enterprises reporting..	4	.....	.....	.....	2	.....	2	1	1
<b>USE OF SURFACE, GROUND, PUMPED AND STORED WATER, 1949</b>									
Surface water:									
Gravity only.....enterprises reporting..	1,326	966	241	66	47	2	5	6	4
.....acres irrigated..	390,075	37,451	38,001	53,347	224,828	35,478	148,842	32,397	970
Pumped only.....enterprises reporting..	2,045	2,005	18	7	13	1	4	1	1
.....acres irrigated..	73,603	52,934	1,055	1,813	15,454	2,262	10,076	2,550	85
Gravity and pumped.....enterprises reporting..	179	162	4	2	8	.....	2	1	3
.....acres irrigated..	144,097	8,311	290	748	17,700	.....	4,807	114,478	117,048
Ground water only (pumped from wells).....enterprises reporting..	1,362	1,342	8	6	5	.....	.....	.....	1
.....acres irrigated..	33,524	30,244	247	1,153	1,873	.....	.....	.....	7
Surface (gravity or pumped) and ground.....enterprises reporting..	351	347	2	1	1	.....	.....	.....	.....
.....acres irrigated..	16,891	15,667	104	732	388	.....	.....	.....	.....
Stored water:									
None stored.....enterprises reporting..	4,981	4,588	265	68	53	1	1	4	6
.....acres irrigated..	287,971	138,271	39,013	45,044	62,319	2,262	767	11,011	1,062
Part stored.....enterprises reporting..	139	104	5	10	15	2	5	4	3
.....acres irrigated..	354,922	3,534	453	11,277	187,132	35,478	151,265	138,414	117,048
All stored.....enterprises reporting..	143	130	3	4	6	.....	5	.....	.....
.....acres irrigated..	15,297	2,802	231	1,472	10,792	.....	11,693	.....	.....

<sup>1</sup>Not available.

<sup>2</sup>These enterprises also included under "District" or other types of enterprises as the case may be.

<sup>3</sup>Single-farm 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.]

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S. B. R. projects <sup>1, 2</sup>	Commercial Indian, State, City, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users <sup>1</sup>		
<b>SOURCES OF SURFACE WATER, 1949<sup>3</sup></b>									
Streams (and lakes).....enterprises reporting..	3,404	3,001	248	75	69	3	11	8	8
acres irrigated..	613,786	104,968	38,125	56,480	258,370	37,740	163,725	149,425	118,103
Springs.....enterprises reporting..	379	354	23	1	.....	.....	.....	.....	1
acres irrigated..	12,466	8,736	2,765	160	.....	.....	.....	.....	805
Flowing wells.....enterprises reporting..	54	54	.....	.....	.....	.....	.....	.....	.....
acres irrigated..	3,833	3,833	.....	.....	.....	.....	.....	.....	.....
Drainage water.....enterprises reporting..	242	223	17	.....	1	.....	.....	1	1
acres irrigated..	128,174	8,248	4,948	.....	500	.....	.....	114,478	114,478
Sewage.....enterprises reporting..	10	9	.....	.....	1	.....	.....	.....	.....
acres irrigated..	730	31	.....	.....	699	.....	.....	.....	.....
Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>DRAINAGE OF IRRIGATED LAND, 1949</b>									
Irrigated land drained:									
Enterprises reporting.....enterprises..	393	333	20	24	13	1	4	4	2
Area supplied primary irrigation.....acres..	355,946	17,288	7,337	30,301	167,208	23,062	142,933	120,897	110,750
Area artificially drained.....acres..	158,705	9,982	1,920	13,934	34,349	300	30,350	99,928	98,220
Irrigated land in need of drainage:									
Enterprises reporting.....enterprises..	314	247	26	19	19	1	8	5	2
Area supplied primary irrigation.....acres..	332,036	12,625	8,861	25,914	134,069	35,409	152,176	128,383	115,158
Area in need of drainage.....acres..	77,174	3,747	1,950	12,770	38,418	1,800	50,800	21,709	18,489
<b>IRRIGATION WORKS, 1950</b>									
Diversion dams.....enterprises reporting..	1,483	1,217	190	46	25	1	1	5	4
dams..	1,861	1,561	198	48	36	4	1	10	14
Diversion dams by material:									
Concrete or masonry.....dams..	293	190	56	21	17	4	1	5	5
Timber.....dams..	304	249	39	10	3	.....	.....	1	3
Earth and rock.....dams..	1,120	989	95	16	14	.....	.....	4	6
Other, mixed, and not reported.....dams..	144	133	8	1	2	.....	.....	.....	.....
Reservoirs.....enterprises reporting..	186	162	6	6	8	2	1	.....	2
reservoirs..	222	184	6	7	15	7	3	.....	3
Reservoirs for which capacity was reported.....number..	205	167	6	7	15	7	3	.....	3
total capacity, acre-feet..	6,436,522	13,170	1,528	7,150	110,441	6,283,800	23,960	.....	20,433
Reservoirs by capacity:									
1-99 acre-feet.....reservoirs..	159	154	3	1	.....	.....	.....	.....	1
100-999 acre-feet.....reservoirs..	18	9	3	4	2	.....	1	.....	.....
1,000 acre-feet and over.....reservoirs..	28	4	.....	2	13	7	2	.....	2
Reservoir dams by material:									
Concrete or masonry.....dams..	25	20	.....	1	.....	2	.....	.....	1
Earth and rock.....dams..	177	145	6	6	13	5	3	.....	2
Other, mixed, and not reported.....dams..	20	19	.....	.....	1	.....	.....	.....	.....
Canals and ditches.....enterprises reporting..	958	606	225	65	55	2	10	7	5
total length, miles..	4,984	621	450	347	2,312	478	1,569	886	775
Pipelines and siphons.....enterprises reporting..	920	747	69	38	58	2	10	6	6
total length, miles..	1,514	524	82	103	510	157	261	89	139
Tunnels.....enterprises reporting..	20	.....	3	5	11	1	2	.....	4
total length, feet..	103,487	.....	990	1,240	77,281	23,976	28,811	26,080	.....
Flowing wells.....enterprises reporting..	54	54	.....	.....	.....	.....	.....	.....	.....
wells..	69	69	.....	.....	.....	.....	.....	.....	.....
Pumped wells.....enterprises reporting..	1,710	1,689	9	6	5	.....	.....	.....	1
wells..	2,098	2,063	9	16	9	.....	.....	.....	1
Wells for which pumping lift was reported.....wells..	1,839	1,814	7	12	6	.....	.....	.....	.....
Average pumping lift.....feet..	50	50	82	114	110	.....	.....	.....	.....
Irrigation pumps.....enterprises reporting..	3,938	3,857	32	16	26	2	7	2	5
pumps..	5,125	4,879	48	40	78	61	20	13	19
Electric motors used for pumping.....enterprises reporting..	3,225	3,152	31	15	21	2	3	2	4
electric motors..	4,223	3,997	45	41	66	59	7	11	15
Other motors and engines used for pumping.....enterprises reporting..	827	816	2	2	5	1	5	1	1
other motors and engines..	926	902	3	2	14	2	13	3	3
<b>SEASON OF IRRIGATION, 1949</b>									
Water delivered only before July 1.....enterprises reporting..	73	62	10	1	.....	.....	.....	.....	.....
acres irrigated..	5,822	2,531	2,018	1,273	.....	.....	.....	.....	.....
Water delivered before and after July 1.....enterprises reporting..	4,475	4,058	256	77	73	3	11	8	8
acres irrigated..	634,083	128,682	37,476	52,079	260,081	37,740	163,725	149,425	118,025
Water delivered only after July 1.....enterprises reporting..	419	416	1	2	.....	.....	.....	.....	.....
acres irrigated..	11,777	7,434	62	4,281	.....	.....	.....	.....	.....
<b>CAPITAL INVESTMENT, 1950 AND 1940</b>									
Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	56,415,196	4,246,697	352,094	4,691,822	13,317,182	27,675,132	(*)	(*)	6,132,269
New capital investment Jan. 1, 1940 to Jan. 1, 1950:									
Enterprises reporting.....enterprises 1950..	3,169	2,969	112	38	43	3	5	6	4
Amount.....dollars 1950..	121,874,792	5,358,296	206,541	238,597	1,463,971	113,935,865	175,177	781,346	671,522
Area irrigated direct.....acres 1949..	391,981	93,630	11,973	15,898	120,065	37,740	67,153	134,475	112,655
Total capital investment Jan. 1, 1950.....dollars 1950..	178,289,988	9,604,993	558,635	4,930,419	14,781,153	141,610,997	(**)	(**)	6,803,791
<b>INDEBTEDNESS, 1950<sup>4</sup></b>									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	68	.....	1	16	48	3	10	7	.....
Amount.....dollars..	114,784,999	.....	290	134,746	2,959,351	111,690,612	10,285,872	1,103,700	.....
Area irrigated direct.....acres..	173,215	.....	120	19,266	116,089	37,740	140,619	34,947	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	3	.....	1	.....	2	.....	1	.....	.....
Amount.....dollars..	50,352	.....	290	.....	50,062	.....	2,362	.....	.....
Area irrigated direct.....acres..	1,403	.....	120	.....	1,283	.....	767	.....	.....

<sup>1</sup> Not available.  
<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> 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.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S.B.R. projects <sup>1,2</sup>	Commercial, Indian, State, city, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users <sup>1</sup>		
<b>COST OF WATER TO FARMS, 1949<sup>3</sup></b>									
Total cost of water to farms:									
Enterprises reporting.....enterprises..	5,213	4,778	271	81	73	2	11	8	8
Cost.....dollars..	4,105,744	950,908	40,708	233,428	1,949,421	436,318	1,014,602	725,001	494,961
Area irrigated direct.....acres..	658,190	144,607	39,697	57,793	260,243	37,740	163,725	149,425	116,310
Cost per acre irrigated direct.....dollars..	6.24	6.58	1.03	4.04	7.49	11.56	6.19	4.85	4.19
Enterprises by cost per acre:									
Less than \$1.00.....enterprises reporting..	1,260	1,045	192	19	2				2
.....acres irrigated..	86,040	38,312	32,010	10,182	6,722				814
\$1.00-\$1.99.....enterprises reporting..	262	226	24	11	1				
.....acres irrigated..	23,153	9,711	4,208	8,694	540				
\$2.00-\$4.99.....enterprises reporting..	847	789	15	25	15	1	1	3	2
.....acres irrigated..	196,498	33,555	1,335	25,667	18,326	2,262	767	121,176	115,353
\$5.00-\$9.99.....enterprises reporting..	1,069	1,021	16	11	26		6	3	1
.....acres irrigated..	228,215	31,431	939	9,830	185,859		153,055	22,649	156
\$10.00 or more.....enterprises reporting..	1,775	1,697	24	15	35	1	4	2	3
.....acres irrigated..	122,284	31,598	1,205	3,420	48,796	35,478	9,903	5,600	1,787
Cost of water for primary irrigation:									
Enterprises reporting.....enterprises..	5,021	4,595	266	79	71	2	11	8	8
Cost.....dollars..	3,893,883	903,491	36,238	216,015	1,809,060	435,482	970,179	692,132	494,589
Area supplied primary irrigation.....acres..	618,129	136,850	35,534	50,847	239,187	37,671	156,187	144,565	118,040
Cost per acre supplied.....dollars..	6.30	6.60	1.02	4.25	7.56	11.56	6.21	4.78	4.19
Cost of water for supplemental irrigation:									
Enterprises reporting.....enterprises..	331	222	42	35	30	1	5	6	1
Cost.....dollars..	211,861	47,417	4,470	17,413	141,353	836	44,423	32,869	372
Area supplied supplemental irrigation.....acres..	40,061	7,757	4,163	6,946	21,056	69	7,538	4,860	70
Cost per acre supplied.....dollars..	5.29	6.11	1.07	2.51	6.71	12.12	5.89	6.76	5.31
Cost to farms for purposes other than operation and maintenance: <sup>4</sup>									
Enterprises reporting.....enterprises..	70		6	17	45	1	8	8	1
Cost.....dollars..	687,435		1,445	23,162	375,650	96,952	128,296	283,513	190,225
Area irrigated direct.....acres..	327,837		913	11,810	165,158	35,478	83,102	149,425	114,478
Cost per acre irrigated.....dollars..	2.10		1.58	1.96	2.27	2.73	1.54	1.89	1.66
Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup>									
Enterprises reporting.....enterprises..	114		10	46	57		7	6	1
Amount.....dollars..	298,945		2,663	47,788	225,380		83,628	27,666	23,114
Area irrigated direct.....acres..	269,056		4,822	40,642	222,717		131,703	32,397	875
<b>QUANTITIES OF WATER REPORTED, 1949<sup>4</sup></b>									
Total obtained from all sources <sup>5</sup> .....enterprises reporting..	390		242	74	72	3	11	8	7
.....acre-feet..	5,277,580		276,158	363,229	1,997,049	1,676,063	1,230,165	1,049,645	965,082
Surface sources.....enterprises reporting..	223		22	55	48		2	5	5
.....acre-feet..	3,314,919		269,679	287,265	634,064	1,404,649	19,060	759,360	719,262
Pumped wells.....enterprises reporting..	17		5	6	5				1
.....acre-feet..	24,864		590	12,563	11,676				35
Other enterprises.....enterprises reporting..	64		16	18	27	1	10	8	2
.....acre-feet..	1,937,797		5,889	63,401	1,351,308	271,414	1,211,105	290,285	245,785
Conveyance loss <sup>5</sup> .....enterprises reporting..	354		213	63	71	2	11	8	5
.....acre-feet..	656,828		42,678	57,348	321,072	130,245	141,120	113,776	105,485
Delivered: <sup>5</sup>									
Direct to farms.....enterprises reporting..	392		241	72	71	2	11	8	6
.....acre-feet..	2,479,273		203,426	259,674	1,058,531	142,283	609,561	923,419	815,359
To other enterprises.....enterprises reporting..	100		33	28	35	2	7	5	2
.....acre-feet..	2,012,537		25,517	31,410	527,314	1,387,866	417,465	12,450	40,400
For use other than irrigation.....enterprises reporting..	46		6	17	20	1	1		2
.....acre-feet..	128,942		4,507	14,797	90,131	15,669	62,019		3,838
Delivered direct to farms for primary irrigation:									
Enterprises reporting.....enterprises..	384		235	72	70	1	11	8	6
Quantity delivered.....acre-feet..	2,331,272		183,109	219,968	972,062	141,414	579,055	905,219	814,719
Area supplied primary irrigation.....acres..	473,094		32,661	46,075	238,812	37,671	156,187	144,565	117,875
Quantity per acre supplied.....acre-feet..	4.9		5.6	4.8	4.1	3.8	3.7	6.2	6.9
Delivered direct to farms for supplemental irrigation:									
Enterprises reporting.....enterprises..	99		37	31	29	1	5	6	1
Quantity delivered.....acre-feet..	132,251		17,618	31,412	82,319	262	30,506	18,200	640
Area supplied supplemental irrigation.....acres..	31,021		3,852	6,250	20,780	69	7,538	4,860	70
Quantity per acre supplied.....acre-feet..	4.3		4.6	5.0	4.0	3.8	4.0	3.7	9.1
Cost of water to farms for enterprises reporting quantity delivered:									
Cost for primary irrigation.....dollars..	2,971,585		31,601	212,778	1,800,571	433,546	970,179	692,132	493,089
Average cost per acre-foot.....dollars..	1.27		0.17	0.97	1.85	3.07	1.67	0.76	0.61
Cost for supplemental irrigation.....dollars..	163,180		4,174	16,958	140,840	836	44,423	32,869	372
Average cost per acre-foot.....dollars..	1.23		0.24	0.54	1.72	3.19	1.45	1.80	0.58
Measurement of water to farms:									
No water measured.....enterprises reporting..	10		10						1
.....acres..	1,344		1,344						198
Part of water measured.....enterprises reporting..	23		8	10	4	1			1
.....acres..	18,147		63	1,961	13,281	2,262		12,400	
All water measured.....enterprises reporting..	150		59	39	48	1	11	6	3
.....acres..	406,081		6,221	23,562	225,440	35,478	163,725	136,827	116,180

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

<sup>2</sup> Not including single-farm enterprises receiving water from Bureau of Reclamation projects.

<sup>3</sup> Enterprises with reported cost of \$0 in 1949 are included.

<sup>4</sup> Not reported by single-farm enterprises.

<sup>5</sup> 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]

Item (For definitions and explanations, see text)	Total complete-system enterprises <sup>1</sup>	Type of water <sup>2</sup>				Acres irrigated <sup>2</sup>			
		Surface <sup>3</sup>		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
<b>ENTERPRISES: FARMS AND LAND IRRIGATED</b>									
Number of enterprises.....enterprises..	4,403	1,145	1,504	1,344	410	3,996	379	28	.....
Farms irrigated direct per enterprise.....farms..	2.1	3.2	1.3	1.4	4.9	1.1	5.2	104.4	.....
Area irrigated.....acres..	235,877	122,836	44,630	33,464	34,947	79,826	86,541	69,450	.....
Average per enterprise.....acres..	54	107	30	25	85	20	228	2,480	.....
<b>CHARACTERISTICS OF ENTERPRISES</b>									
Multiple-purpose enterprises.....enterprises..	18	4	3	10	1	3	12	3	.....
Area irrigated.....acres..	8,710	1,331	2,724	2,960	( <sup>4</sup> )	115	3,140	5,455	.....
Type of enterprise:									
Single-farm.....enterprises..	4,097	894	1,493	1,325	395	3,852	242	3	.....
.....acres..	121,914	34,810	39,869	30,210	18,025	73,556	45,099	3,349	.....
Mutual:									
Unincorporated.....enterprises..	227	203	11	8	5	134	98	5	.....
.....acres irrigated..	36,309	35,252	416	247	394	5,863	21,973	8,473	.....
Incorporated.....enterprises..	42	34	2	5	1	4	26	9	.....
.....acres irrigated..	35,500	33,180	796	1,127	487	226	12,437	22,927	.....
Commercial.....enterprises..	2	.....	1	.....	1	.....	.....	1	.....
.....acres irrigated..	( <sup>4</sup> )	.....	( <sup>4</sup> )	.....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	.....
District.....enterprises..	29	11	6	5	7	3	17	4	.....
.....acres irrigated..	36,170	18,624	2,202	1,873	12,471	110	5,286	30,714	.....
U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	1	.....	1	.....	.....	.....	.....	1	.....
.....acres irrigated..	2,262	.....	2,262	.....	.....	.....	.....	2,262	.....
U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	1	.....	.....	.....	1	.....	1	.....	.....
.....acres irrigated..	875	.....	.....	.....	875	.....	875	.....	.....
State.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
City.....enterprises..	4	3	.....	1	.....	2	2	.....	.....
.....acres irrigated..	977	970	.....	7	.....	16	961	.....	.....
Enterprises by primary and supplemental irrigation: <sup>6</sup>									
All primary.....enterprises reporting..	4,148	1,043	1,451	1,284	370	3,816	320	12	.....
.....acres irrigated..	163,051	67,941	41,975	29,117	24,018	75,015	69,539	18,497	.....
Part primary, part supplemental.....enterprises reporting..	90	54	12	17	7	36	39	15	.....
Primary irrigation.....acres irrigated..	51,243	39,170	1,143	1,797	9,133	813	9,906	40,530	.....
Supplemental irrigation.....acres irrigated..	13,701	11,765	410	642	884	657	3,631	9,413	.....
All supplemental.....enterprises reporting..	165	48	41	43	33	144	20	1	.....
.....acres irrigated..	7,882	3,960	1,162	1,908	912	3,401	3,471	1,010	.....
Enterprises by number of farms irrigated:									
1-3.....enterprises reporting..	4,201	987	1,406	1,330	398	3,930	268	3	.....
4-9.....enterprises reporting..	123	104	10	6	3	59	63	1	.....
10-29.....enterprises reporting..	47	37	5	3	2	7	31	6	.....
30-99.....enterprises reporting..	22	11	2	3	3	.....	13	9	.....
100-299.....enterprises reporting..	7	2	1	2	2	.....	1	6	.....
300-999.....enterprises reporting..	3	1	.....	.....	2	.....	.....	3	.....
1,000 and over.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by acreage irrigated:									
1-29.....enterprises reporting..	3,007	618	1,109	1,047	233	3,007	.....	.....	.....
30-99.....enterprises reporting..	980	313	315	242	119	989	.....	.....	.....
100-499.....enterprises reporting..	346	169	75	52	50	.....	346	.....	.....
500-999.....enterprises reporting..	33	26	3	2	2	.....	33	.....	.....
1,000-2,999.....enterprises reporting..	20	14	2	1	3	.....	.....	20	.....
3,000-9,999.....enterprises reporting..	8	5	.....	.....	3	.....	.....	8	.....
10,000-29,999.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
30,000 and over.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>USE OF SURFACE, GROUND, PUMPED AND STORED WATER</b>									
Surface water:									
Gravity only.....enterprises reporting..	1,145	1,145	.....	.....	.....	931	195	19	.....
.....acres irrigated..	122,836	122,836	.....	.....	.....	22,979	51,806	48,051	.....
Pumped only.....enterprises reporting..	1,504	.....	1,504	.....	.....	1,424	78	2	.....
.....acres irrigated..	44,630	.....	44,630	.....	.....	26,672	14,660	3,298	.....
Gravity and pumped.....enterprises reporting..	112	.....	.....	.....	112	88	19	5	.....
.....acres irrigated..	22,069	.....	.....	.....	22,069	2,575	4,001	15,493	.....
Ground water only (pumped from wells).....enterprises reporting..	1,344	.....	.....	1,344	.....	1,289	54	1	.....
.....acres irrigated..	33,464	.....	.....	33,464	.....	21,642	10,324	1,498	.....
Surface (gravity or pumped) and ground.....enterprises reporting..	298	.....	.....	.....	298	264	33	1	.....
.....acres irrigated..	12,878	.....	.....	.....	12,878	6,018	5,750	1,110	.....
Stored water:									
None stored.....enterprises reporting..	4,218	1,099	1,432	1,343	344	3,828	367	23	.....
.....acres irrigated..	218,500	116,945	42,055	33,449	25,051	77,502	82,725	58,273	.....
Part stored.....enterprises reporting..	60	24	20	1	23	58	7	3	.....
.....acres irrigated..	11,874	2,146	298	15	9,425	1,007	2,711	8,156	.....
All stored.....enterprises reporting..	117	22	52	.....	43	110	5	2	.....
.....acres irrigated..	5,503	3,745	1,287	.....	471	1,377	1,105	3,021	.....

<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>Data for less than 3 enterprises not shown separately. <sup>5</sup>Data for less than 3 enterprises shown with permission of the enterprise. <sup>6</sup>For interstate enterprises, data represent characteristics within the State.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Total complete-system enterprises <sup>1</sup>	Type of water <sup>2</sup>				Acres irrigated <sup>2</sup>			
		Surface <sup>3</sup>		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
<b>SOURCES OF SURFACE WATER<sup>4</sup></b>									
Streams (and lakes).....enterprises reporting..	2,571	948	1,300	.....	323	2,234	311	26	.....
.....acres irrigated..	192,117	117,946	41,649	.....	32,522	52,221	73,054	66,842	.....
Springs.....enterprises reporting..	364	197	119	.....	48	339	25	.....	.....
.....acres irrigated..	11,300	8,106	1,866	.....	1,408	5,424	5,956	.....	.....
Flowing wells.....enterprises reporting..	50	18	9	.....	23	46	3	1	.....
.....acres irrigated..	2,893	844	252	.....	1,797	978	805	1,110	.....
Drainage water.....enterprises reporting..	218	46	112	.....	60	188	29	1	.....
.....acres irrigated..	10,640	6,916	2,708	.....	1,016	2,510	6,912	1,218	.....
Sewage.....enterprises reporting..	9	.....	5	.....	4	9	.....	.....	.....
.....acres irrigated..	31	.....	13	.....	18	31	.....	.....	.....
Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>DRAINAGE OF IRRIGATED LAND</b>									
Irrigated land drained:									
Enterprises reporting.....enterprises..	336	79	147	75	35	267	55	14	.....
.....acres..	56,000	41,578	5,643	1,685	7,094	6,033	14,274	35,693	.....
Acreage supplied primary irrigation.....acres..	20,857	14,555	3,943	1,250	1,109	4,352	5,392	11,113	.....
Irrigated land in need of drainage:									
Enterprises reporting.....enterprises..	264	91	96	47	30	198	53	13	.....
.....acres..	60,112	43,734	3,174	1,000	12,204	4,825	16,742	38,545	.....
Acreage in need of drainage.....acres..	19,647	16,761	1,529	331	1,026	1,700	4,427	13,520	.....
<b>IRRIGATION WORKS</b>									
Diversions dams.....enterprises reporting..	1,346	996	192	.....	158	1,121	207	18	.....
.....dams..	1,661	1,236	211	.....	214	1,295	326	40	.....
Diversions dams by material:									
Concrete or masonry.....dams..	239	147	33	.....	59	139	81	19	.....
.....dams..	266	211	31	.....	24	193	69	4	.....
Earth or rock.....dams..	1,028	803	123	.....	102	868	156	4	.....
.....dams..	128	75	24	.....	29	95	20	13	.....
Other, mixed, and not reported.....dams..	174	46	65	2	61	154	14	6	.....
Reservoirs.....enterprises reporting..	199	54	74	2	69	170	20	9	.....
.....reservoirs..	185	48	68	2	67	157	19	9	.....
Reservoirs for which capacity was reported.....reservoirs..	5,297,389	11,935	5,229,287	7	56,160	8,650	30,570	5,258,169	.....
Reservoirs by capacity									
1-99 acre-feet.....reservoirs..	156	38	59	2	57	147	8	1	.....
.....reservoirs..	14	6	5	.....	3	8	5	1	.....
100-999 acre-feet.....reservoirs..	15	4	4	.....	7	2	6	7	.....
.....reservoirs..	15	4	4	.....	7	2	6	7	.....
Reservoir dams; by material:									
Concrete or masonry.....dams..	22	8	6	2	6	19	1	2	.....
.....dams..	158	36	61	.....	61	134	17	7	.....
Earth or rock.....dams..	19	10	7	.....	2	17	2	.....	.....
Other, mixed, and not reported.....dams..	784	572	92	27	93	572	188	24	.....
Canals and ditches.....enterprises reporting..	1,540	1,065	89	25	360	527	529	483	.....
.....total length, miles..	698	166	299	124	109	621	65	12	.....
Pipelines and siphons.....enterprises reporting..	858	165	242	137	312	450	150	257	.....
.....total length, miles..	9	6	.....	1	2	1	4	4	.....
Tunnels.....enterprises reporting..	9,328	1,630	.....	100	7,598	150	680	8,498	.....
.....total length, feet..	50	18	9	.....	23	46	3	1	.....
Flowing wells.....enterprises reporting..	65	21	11	.....	33	58	6	1	.....
.....wells..	1,637	1	.....	1,344	292	1,549	85	3	.....
Pumped wells.....enterprises reporting..	2,003	1	.....	1,653	349	1,824	170	9	.....
.....wells..	1,755	.....	.....	1,441	314	1,593	153	9	.....
Wells for which pumping lift was reported.....wells..	50	.....	.....	51	45	46	94	79	.....
Average pumping lift.....feet..	3,250	.....	1,499	1,344	407	3,062	181	7	.....
Irrigation pumps.....enterprises reporting..	4,178	.....	1,864	1,682	632	3,711	431	36	.....
.....pumps..	2,619	.....	1,106	1,202	311	2,450	163	6	.....
Electric motors used for pumping.....enterprises reporting..	3,391	.....	1,406	1,487	498	2,960	398	33	.....
.....electric motors..	721	.....	438	172	111	690	29	2	.....
Other motors and engines used for pumping.....enterprises reporting..	798	.....	474	184	140	756	39	3	.....
.....other motors and engines..	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>SEASON OF IRRIGATION</b>									
Enterprises reporting and acreage irrigated:									
Water delivered only before July 1.....enterprises reporting..	71	39	14	12	6	56	14	1	.....
.....acres irrigated..	5,767	5,232	234	195	106	1,276	3,218	1,273	.....
Water delivered before and after July 1.....enterprises reporting..	3,714	968	1,230	1,140	376	3,343	345	26	.....
.....acres irrigated..	213,957	109,136	39,508	31,067	34,246	69,522	80,409	64,026	.....
Water delivered only after July 1.....enterprises reporting..	398	50	192	131	25	389	8	1	.....
.....acres irrigated..	10,714	5,039	3,302	1,832	541	5,453	1,110	4,151	.....
<b>NEW CAPITAL INVESTMENT</b>									
New capital investment Jan. 1, 1940 to Jan. 1, 1950:									
Enterprises reporting.....enterprises..	2,657	337	1,092	921	307	2,431	215	11	.....
.....dollars..	108,424,305	445,013	104,902,503	1,871,944	1,204,845	3,426,645	1,386,956	103,610,704	.....
Area irrigated.....acres..	120,299	31,699	34,431	24,128	30,041	48,635	48,158	23,506	.....
<b>INDEBTEDNESS<sup>5</sup></b>									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	24	13	2	3	6	2	14	8	.....
.....dollars..	90,626,919	320,160	89,451,400	7,500	847,859	5,500	129,155	90,492,264	.....
Area irrigated.....acres..	38,869	22,305	2,511	329	13,724	69	4,876	33,924	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
Enterprises reporting.....enterprises..	1	1	.....	.....	.....	.....	1	.....	.....
.....dollars..	290	290	.....	.....	.....	.....	290	.....	.....
Area irrigated.....acres..	120	120	.....	.....	.....	.....	120	.....	.....

<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.]

Item (For definitions and explanations, see text)	Total complete-system enterprises <sup>1</sup>	Type of water <sup>2</sup>				Acres irrigated <sup>2</sup>			
		Surface <sup>3</sup>		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
<b>COST OF WATER TO FARMS<sup>4</sup></b>									
Total cost of water to farms:									
Enterprises reporting.....enterprises..	4,403	1,145	1,504	1,344	410	3,996	370	98	
Cost.....dollars..	1,341,610	226,177	371,222	290,636	434,575	515,881	246,032	479,697	
Area irrigated.....acres..	235,877	122,836	44,630	33,464	34,947	79,886	96,541	69,450	
Cost per acre irrigated.....dollars..	5.69	1.92	8.32	8.95	12.44	6.46	4.00	6.91	
Enterprises by cost per acre:									
Less than \$1.00.....enterprises reporting..	1,209	952	119	106	32	1,037	164	8	
.....acres irrigated..	80,303	73,333	3,369	1,784	1,817	24,077	20,595	17,621	
\$1.00-\$1.99.....enterprises reporting..	239	56	88	66	29	205	31	3	
.....acres irrigated..	20,447	13,693	3,919	1,335	1,500	5,530	8,058	6,859	
\$2.00-\$4.99.....enterprises reporting..	747	61	333	247	106	666	73	2	
.....acres irrigated..	52,078	21,497	14,565	8,598	8,218	16,176	16,916	19,786	
\$5.00-\$9.99.....enterprises reporting..	387	36	389	376	86	827	10	2	
.....acres irrigated..	35,631	11,190	10,114	10,164	4,163	17,724	10,796	7,111	
\$10.00 or more.....enterprises reporting..	1,321	40	575	549	157	1,261	53	1	
.....acres irrigated..	46,618	3,123	12,663	11,583	19,249	16,379	12,176	18,063	
Cost of water for primary irrigation:									
Enterprises reporting.....enterprises..	4,238	1,097	1,463	1,301	377	3,852	359	27	
Cost.....dollars..	1,260,809	208,349	354,188	278,981	419,291	499,179	317,418	444,212	
Area supplied primary irrigation.....acres..	214,294	107,111	43,118	30,914	33,151	75,828	79,436	59,027	
Cost per acre supplied.....dollars..	5.88	1.95	8.21	9.02	12.65	6.58	4.00	7.53	
Cost of water for supplemental irrigation:									
Enterprises reporting.....enterprises..	255	102	53	60	40	180	59	16	
Cost.....dollars..	80,801	27,828	17,034	20,655	15,284	16,702	28,614	35,485	
Area supplied supplemental irrigation.....acres..	21,583	15,725	1,512	2,550	1,795	4,058	7,102	10,423	
Cost per acre supplied.....dollars..	3.74	1.77	11.27	8.10	8.51	4.12	4.01	3.40	
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>									
Enterprises reporting.....enterprises..	25	16	1	3	5	2	14	9	
Cost.....dollars..	141,723	34,019	3,490	870	103,344	75	16,974	124,674	
Area irrigated.....acres..	38,222	24,318	249	219	13,436	44	4,485	33,693	
Cost per acre irrigated.....dollars..	3.71	1.40	14.02	3.97	7.69	1.70	3.78	3.70	
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>									
Enterprises reporting.....enterprises..	50	30	4	8	8	5	30	15	
Amount.....dollars..	102,905	35,624	4,419	8,145	54,717	2,303	51,873	48,729	
Area irrigated.....acres..	65,284	45,611	2,120	2,700	14,753	233	13,062	51,989	
<b>QUANTITIES OF WATER REPORTED<sup>5</sup></b>									
Total obtained from all sources <sup>6</sup> .....enterprises reporting..	273	221	19	18	15	126	124	23	
.....acre-feet..	777,922	576,070	49,867	23,438	128,547	35,495	288,619	453,808	
Surface sources.....enterprises reporting..	255	221	19	18	15	119	114	22	
.....acre-feet..	754,423	576,070	49,867	23,438	128,486	34,155	276,460	443,808	
Pumped wells.....enterprises reporting..	20			1 <sup>8</sup>	2	9	10	1	
.....acre-feet..	23,499			23,438	61	1,340	12,159	10,000	
Other enterprises.....enterprises reporting..									
.....acre-feet..									
Conveyance loss <sup>6</sup> .....enterprises reporting..	245	198	18	14	15	107	116	2	
.....acre-feet..	181,985	126,117	5,420	2,205	48,243	4,475	54,655	122,855	
Delivered: <sup>6</sup>									
Direct to farms.....enterprises reporting..	273	221	19	18	15	126	124	23	
.....acre-feet..	539,436	425,461	28,738	10,942	74,295	30,507	220,597	288,332	
To other enterprises.....enterprises reporting..	18	13			5	1	9	8	
.....acre-feet..	4,570	2,795			1,775	12	1,006	3,544	
For use other than irrigation.....enterprises reporting..	78	14	2	8	4	9	16	9	
.....acre-feet..	51,931	21,697	15,709	10,291	4,234	495	12,361	39,075	
Delivered to farms for primary irrigation:									
Enterprises reporting.....enterprises..	267	217	18	18	14	124	122	21	
Quantity delivered.....acre-feet..	481,320	373,343	27,911	9,715	70,351	29,048	203,629	248,643	
Acreage supplied primary irrigation.....acres..	93,019	69,075	5,187	2,764	15,993	5,502	34,754	52,763	
Quantity per acre supplied.....acre-feet..	5.2	5.4	5.4	3.5	4.4	5.3	5.9	4.7	
Delivered to farms for supplemental irrigation:									
Enterprises reporting.....enterprises..	61	47	5	4	5	17	29	15	
Quantity delivered.....acre-feet..	58,116	52,118	227	1,227	3,944	1,459	16,968	39,689	
Acreage supplied supplemental irrigation.....acres..	13,729	12,127	233	440	929	323	2,995	10,411	
Quantity per acre supplied.....acre-feet..	4.2	4.3	3.5	2.8	4.2	4.5	5.7	3.8	
Cost of water to farms for enterprises reporting quantity delivered:									
Cost for primary irrigation.....dollars..	573,373	174,587	59,848	33,169	305,769	12,164	127,673	433,536	
Average cost per acre-foot.....dollars..	1.19	0.47	2.14	3.41	4.35	0.42	0.63	1.74	
Cost for supplemental irrigation.....dollars..	44,533	25,705	4,041	3,862	10,925	894	8,171	35,468	
Average cost per acre-foot.....dollars..	0.77	0.49	4.89	3.15	2.77	0.61	0.48	0.89	
Measurement of water to farms:									
No water measured.....enterprises reporting..	10	10				5	5		
.....acres..	1,344	1,344				248	1,096		
Part of water measured.....enterprises reporting..	12	9	1		2	8	3		
.....acres..	3,470	1,077	2,262		131	522	686	2,262	
All water measured.....enterprises reporting..	79	53	10	7	9	31	34	14	
.....acres..	48,062	28,818	3,043	518	15,683	1,450	10,336	36,274	

<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 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.

IRRIGATION OF AGRICULTURAL LANDS

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

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		The State	Adams	Asotin	Penton	Chelan	Clallam	Clark
1	Irrigated farms.....number 1950..	16,928	11	301	1,226	1,762	311	80
2	.....number 1945..	15,974	3	405	1,174	1,822	267	20
3	Proportion of all farms.....percent 1950..	24.2	1.8	64.2	85.4	91.6	28.4	1.9
4	Land in irrigated farms.....acres 1950..	3,295,402	88,985	63,758	143,130	133,860	25,466	6,464
5	.....average per farm, acres 1950..	194.7	8,089.5	211.8	116.7	76.0	81.9	80.8
6	Value of land and buildings.....average per farm, dollars 1950..	21,819	295,475	9,861	16,735	19,808	23,127	18,178
7	.....average per acre, dollars 1950..	119.34	21.02	78.28	132.87	220.74	192.97	301.01
8	Proportion of irrigated farms reporting value.....percent 1950..	89	55	93	87	94	96	112
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	83	95	55	94	111	141	84
<b>Land in irrigated farms according to use, 1949:</b>								
10	Cropland harvested.....farms reporting..	16,005	11	268	1,129	1,748	248	78
11	.....acres..	629,618	4,372	4,512	36,722	29,502	7,375	2,109
12	Cropland used only for pasture.....acres..	164,050	740	7,892	6,424	7,145	7,079	1,101
13	Cropland not harvested and not pastured.....acres..	201,177	4,667	2,063	29,887	7,486	617	881
14	Woodland pastured.....acres..	421,405	7,593	1,289	28,509	2,294	1,777	1,777
15	Other pasture (not cropland and not woodland).....acres..	1,629,450	79,122	40,988	55,218	27,608	1,027	198
16	Land pastured, total.....farms reporting..	10,100	10	187	734	545	290	57
17	.....acres..	2,214,905	79,862	56,473	62,931	63,262	10,400	3,076
18	Irrigated land in farms.....acres 1949..	589,035	1,237	1,900	38,229	27,018	10,127	1,228
19	.....1944..	520,153	170	2,785	30,979	26,626	7,767	194
20	Land irrigated by sprinklers.....farms reporting 1949..	3,411	3	229	32	555	128	53
21	.....acres 1949..	67,852	133	1,069	898	6,768	4,757	614
<b>Irrigated land in farms according to use, 1949:</b>								
22	Irrigated cropland harvested.....farms reporting..	15,438	10	258	1,121	1,733	181	61
23	.....acres..	448,743	657	1,358	28,596	25,306	3,895	865
24	Irrigated pasture.....farms reporting..	7,227	4	149	63	184	273	35
25	.....acres..	121,606	580	494	7,627	860	6,110	345
26	Irrigated wild grass pasture.....farms reporting..	1,857	1	10	175	78	74	10
27	.....acres..	32,977	400	41	2,331	397	1,386	84
28	Irrigated tame grass pasture.....farms reporting..	5,736	3	140	517	116	219	27
29	.....acres..	88,629	180	453	5,296	463	4,724	261
30	Irrigated cropland not harvested and not pastured.....farms reporting..	2,452	.....	27	282	169	18	5
31	.....acres..	18,686	.....	48	2,006	852	122	18
<b>Irrigated farms by acres irrigated in 1949:</b>								
32	1-9 acres.....farms reporting..	6,054	1	263	425	846	93	37
33	10-19 acres.....farms reporting..	3,673	.....	25	371	527	64	19
34	20-29 acres.....farms reporting..	1,772	.....	4	132	175	32	15
35	30-49 acres.....farms reporting..	2,163	.....	6	202	128	57	7
36	50-99 acres.....farms reporting..	1,966	5	3	139	67	46	1
37	100-199 acres.....farms reporting..	915	3	.....	39	17	15	1
38	200 acres and over.....farms reporting..	365	1	.....	18	2	4	.....
<b>Irrigated farms by tenure of operator, 1950:</b>								
39	Full owners.....number..	12,628	3	259	989	1,573	206	55
40	Part owners.....number..	2,356	6	20	147	104	56	19
41	Managers.....number..	219	.....	2	9	34	1	2
42	Tenants.....number..	1,725	2	20	81	51	48	4
<b>Land in wholly and in partly irrigated farms:</b>								
43	Wholly irrigated farms.....number 1950..	13,331	8	236	1,093	1,547	124	28
44	All land.....acres 1950..	1,739,166	42,715	8,867	77,468	76,388	8,124	936
45	Cropland harvested.....acres 1949..	391,349	589	27,993	22,982	22,282	2,723	494
46	Irrigated land.....acres 1949..	496,627	769	1,325	36,167	23,541	5,378	559
47	Partly irrigated farms.....number 1950..	3,597	3	65	133	215	187	52
48	All land.....acres 1950..	1,556,236	46,270	54,891	65,662	57,472	17,342	5,528
49	Cropland harvested, total.....farms reporting 1949..	2,674	3	32	36	201	124	50
50	.....acres 1949..	238,269	3,783	3,549	8,729	7,220	4,652	1,615
51	Irrigated land.....acres 1949..	92,408	468	575	2,062	3,477	4,749	669
52	Irrigated cropland harvested.....farms reporting 1949..	2,107	2	22	28	186	57	33
53	.....acres 1949..	57,394	68	395	603	3,024	1,172	371
<b>Characteristics of wholly irrigated and nonirrigated farms:</b>								
54	Wholly irrigated farms.....number 1950..	13,331	0	236	1,093	1,547	124	28
Average acreage per farm:								
55	All land.....acres 1949..	130.5	5,339.4	37.6	70.9	49.4	65.5	33.4
56	Cropland harvested.....acres 1949..	29.4	73.6	4.1	25.6	14.4	22.0	17.6
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	8.0	.....	2.4	5.6	13.2	0.1	0.4
58	Vegetables harvested for sale.....acres 1949..	2.2	.....	0.1	1.6	(1)	.....	5.9
59	Small grains (including sorghums).....acres 1949..	4.4	18.8	0.1	2.1	0.1	2.2	1.2
60	All hay.....acres 1949..	9.8	47.5	1.2	7.4	1.1	19.5	5.8
Farms by tenure of operator:								
61	Full owners and managers.....number 1950..	10,373	3	213	895	1,422	88	25
62	Part owners.....number 1950..	1,556	4	9	127	77	15	2
63	Tenants.....number 1950..	1,402	1	14	71	48	21	1
64	Value of land and buildings per farm.....dollars 1950..	21,374	265,083	9,557	16,437	20,064	28,930	9,583
65	Nonirrigated farms.....number 1950..	52,892	591	168	209	162	785	4,052
Average acreage per farm:								
66	All land.....acres 1949..	266.1	1,718.2	1,586.1	2,523.2	346.5	65.2	52.5
67	Cropland harvested.....acres 1949..	68.2	635.2	258.4	548.0	33.9	11.7	13.2
68	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.3	(1)	.....	.....	.....	0.2	1.0
69	Vegetables harvested for sale.....acres 1949..	0.7	(1)	0.5	.....	1.6	(1)	(1)
70	Small grains (including sorghums).....acres 1949..	51.8	629.7	228.1	545.8	21.7	1.7	3.0
71	All hay.....acres 1949..	11.0	7.9	29.1	1.8	12.9	9.8	8.2
Farms by tenure of operator:								
72	Full owners and managers.....number 1950..	40,798	128	85	108	127	700	3,465
73	Part owners.....number 1950..	7,100	218	63	49	25	42	390
74	Tenants.....number 1950..	4,994	245	20	52	10	43	197
75	Value of land and buildings per farm.....dollars 1950..	20,398	102,986	49,890	57,148	10,589	9,303	11,060
<b>Irrigated farms and irrigated land by origin of water, 1949:</b>								
Individually operated supply works and—								
76	No other irrigation enterprise.....farms reporting..	4,002	11	8	49	379	124	79
77	.....acres irrigated..	112,861	1,237	168	2,009	6,829	5,368	1,218
78	1 other irrigation enterprise.....farms reporting..	660	.....	1	38	97	9	.....
79	.....acres irrigated..	43,432	.....	25	2,098	2,516	680	.....
80	2 or more other irrigation enterprises.....farms reporting..	84	.....	.....	2	18	1	.....
81	.....acres irrigated..	13,330	.....	.....	852	788	50	.....
No individually operated supply works but—								
82	1 other irrigation enterprise.....farms reporting..	11,448	.....	290	1,101	1,149	159	1
83	.....acres irrigated..	358,093	.....	1,702	30,502	14,324	3,207	10
84	2 or more other irrigation enterprises.....farms reporting..	734	.....	2	36	119	18	.....
85	.....acres irrigated..	61,219	.....	5	2,760	2,561	822	.....

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]

Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King	Kitsap	Kittitas	
41	27	459	60	180	32	214	72	4	19	239	48	1,068	1
51	3	484	70	145	17	139	87	.....	1	48	14	1,012	2
10.2	1.9	45.9	13.7	54.4	10.0	39.8	5.0	0.5	4.6	4.3	2.7	89.3	3
38,181	3,033	94,833	47,050	43,622	38,898	194,242	8,117	639	2,850	13,292	2,302	527,543	4
931.2	112.3	206.6	784.2	242.3	1,215.6	907.7	112.7	159.8	150.0	55.6	48.0	523.4	5
189,256	30,158	21,975	13,727	24,599	36,807	32,350	17,643	.....	24,500	25,769	43,855	31,229	6
102.98	211.76	112.91	23.47	125.52	38.65	36.65	253.94	.....	192.91	492.46	934.88	72.20	7
22	133	100	160	96	72	95	160	.....	53	88	115	81	8
43	169	94	119	78	56	93	98	.....	45	83	112	67	9
41	24	452	60	164	32	210	68	4	18	222	44	900	10
15,384	1,374	14,614	4,581	7,406	4,607	19,174	2,045	125	679	6,086	498	78,898	11
895	453	2,804	1,572	5,278	3,425	2,453	1,957	91	697	2,970	498	25,316	12
3,240	144	14,046	2,319	12,838	4,827	12,950	195	249	20	336	92	4,306	13
1,462	451	3,308	29,966	530	79	42	81	57	235	485	449	78,765	14
16,688	54	50,462	6,476	16,436	25,569	155,717	314	46	48	741	175	318,146	15
31	20	105	54	76	28	128	46	4	19	167	40	914	16
19,045	958	56,574	38,014	22,244	29,073	158,212	3,152	148	910	4,276	1,122	422,227	17
2,373	979	8,428	1,389	4,453	934	14,286	1,100	59	478	4,447	629	105,342	18
1,890	3	6,845	1,075	2,012	242	7,561	463	.....	40	895	62	107,073	19
17	21	178	9	36	10	30	47	4	5	159	29	11	20
482	925	2,311	343	1,479	184	909	703	59	114	2,967	439	596	21
37	16	437	58	160	31	208	40	3	195	35	693	693	22
1,912	714	7,759	1,344	3,395	919	12,977	219	31	248	3,136	235	76,846	23
10	13	35	9	65	3	67	40	1	17	74	25	794	24
201	225	246	45	441	15	870	857	28	230	1,690	385	27,363	25
1	2	7	4	6	.....	8	7	.....	4	26	5	283	26
20	6	75	20	62	.....	140	116	.....	93	402	58	9,310	27
9	11	29	6	59	3	61	36	1	11	51	21	371	28
181	219	171	25	379	15	730	741	28	137	1,288	327	18,044	29
5	1	74	.....	59	.....	28	3	.....	.....	9	3	693	30
260	40	423	.....	617	.....	479	24	.....	.....	21	9	1,133	31
17	14	253	25	80	12	47	38	.....	6	125	30	133	32
9	7	98	12	37	8	36	15	3	4	47	11	82	33
3	1	46	8	16	7	20	3	1	1	21	1	11	34
4	3	34	7	17	1	35	12	.....	6	19	3	103	35
3	1	19	6	24	2	39	3	.....	1	16	1	272	36
4	1	6	1	5	1	20	1	.....	1	9	2	245	37
1	1	3	1	1	1	17	.....	.....	2	.....	.....	129	38
29	18	394	33	138	18	128	57	2	14	139	39	717	39
8	7	38	17	26	5	61	10	1	3	48	9	154	40
1	1	11	2	.....	1	6	.....	.....	6	.....	.....	13	41
3	1	16	9	16	8	23	5	1	2	46	.....	124	42
18	9	386	8	147	7	183	24	.....	5	109	16	829	43
3,807	761	31,116	1,499	9,304	14,213	138,178	286	.....	478	3,146	941	494,567	44
291	644	6,637	88	3,051	257	10,969	55	.....	146	1,298	158	72,396	45
369	646	7,069	97	3,843	262	12,110	66	.....	232	1,632	375	98,217	46
23	18	73	52	33	25	31	49	4	14	130	32	179	47
34,374	2,272	63,717	45,551	34,318	24,685	56,064	7,831	639	2,372	10,146	1,361	42,976	48
23	15	66	52	17	25	27	44	4	13	113	28	71	49
15,093	730	7,977	4,493	4,355	4,370	8,205	1,990	125	533	4,791	340	6,502	50
2,004	333	1,359	1,292	610	672	2,176	1,034	59	246	3,215	254	7,127	51
19	7	51	50	13	25	25	16	3	6	86	19	64	52
1,621	70	1,122	1,256	344	662	1,968	164	31	102	1,841	77	4,450	53
18	9	386	8	147	7	183	24	.....	5	109	16	829	54
211.5	84.6	80.6	187.4	63.3	2,030.4	755.1	11.9	.....	95.6	28.0	78.8	584.5	55
16.2	71.6	17.2	11.0	20.8	36.7	59.9	2.3	.....	29.2	11.9	9.0	87.3	56
9.3	0.2	15.7	(1)	3.4	20.3	2.1	(1)	.....	(1)	0.2	0.1	0.3	57
2.2	3.7	0.1	.....	0.7	0.6	6.5	.....	.....	.....	9.5	0.1	4.0	58
.....	.....	0.3	.....	2.7	.....	13.7	.....	.....	6.0	.....	.....	27.9	59
4.7	0.4	0.9	10.1	5.6	15.7	15.9	0.7	.....	23.2	3.3	8.8	49.0	60
15	8	349	6	117	4	117	24	.....	4	74	13	578	61
3	1	23	1	17	2	44	.....	.....	.....	18	3	135	62
.....	.....	14	1	13	.....	22	.....	.....	1	17	.....	116	63
71,333	21,606	22,031	8,125	22,629	15,000	27,144	42,875	.....	.....	20,018	70,067	34,276	64
361	1,460	542	373	151	288	324	1,363	806	395	5,257	1,744	121	65
835.6	73.3	1,656.0	548.6	3,579.3	1,055.2	2,308.6	84.3	63.0	108.2	26.6	25.1	1,004.5	66
255.2	10.3	421.0	51.0	810.4	318.6	493.4	11.6	14.3	9.5	5.4	3.4	32.8	67
(1)	0.4	0.3	(1)	0.1	(1)	0.1	0.2	0.2	0.2	0.4	0.3	0.5	68
10.5	(1)	.....	(1)	.....	12.0	.....	(1)	0.8	(1)	0.6	(1)	1.1	69
232.3	1.6	403.4	16.7	806.2	292.4	486.0	1.7	4.4	0.5	0.2	0.1	15.9	70
7.3	8.1	17.3	34.7	7.4	11.8	7.5	9.1	7.4	9.0	4.0	2.6	42.8	71
174	1,286	119	218	40	70	76	1,216	674	339	4,511	1,590	92	72
114	91	302	116	66	90	174	95	94	29	354	84	20	73
73	83	121	39	45	128	74	52	38	27	392	70	9	74
74,019	10,358	42,970	10,358	104,722	96,354	71,532	9,910	12,027	9,642	12,362	8,052	15,375	75
31	24	206	50	40	32	188	70	4	16	214	47	95	76
2,005	971	4,437	1,182	1,124	934	13,251	954	59	442	4,608	625	7,446	77
3	2	24	1	4	.....	3	1	.....	.....	.....	.....	49	78
230	6	1,570	23	148	.....	346	140	.....	.....	69	.....	9,626	79
1	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	10	80
96	.....	32	.....	60	.....	.....	.....	.....	.....	.....	.....	3,451	81
6	1	221	9	134	.....	22	1	.....	3	22	1	733	82
42	2	2,202	184	3,111	.....	672	6	.....	36	170	4	62,235	83
.....	.....	7	.....	1	.....	1	.....	.....	.....	.....	.....	121	84
.....	.....	187	.....	10	.....	17	.....	.....	.....	.....	.....	22,584	85

IRRIGATION OF AGRICULTURAL LANDS

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

[1950 data for items shown in italics are

Item (For definitions and explanations, see text)		Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille
1	Irrigated farms.....number 1950..	175	118	31	14	1,416	158	23
2	.....number 1945..	192	18	18	2	1,446	133	47
3	Proportion of all farms.....percent 1950..	19.3	3.5	2.9	2.5	70.0	22.1	4.6
4	Land in irrigated farms.....acres 1950..	83,460	18,457	86,237	1,806	466,929	4,062	7,250
5	.....average per farm, acres 1950..	476.9	156.4	2,781.8	129.0	329.8	25.7	315.2
6	Value of land and buildings.....average per farm, dollars 1950..	21,600	16,099	133,671	5,500	16,187	31,870	13,500
7	.....average per acre, dollars 1950..	54.38	101.00	34.11	55.00	51.03	622.65	71.05
8	Proportion of irrigated farms reporting value.....percent 1950..	105	98	55	71	88	85	43
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	87	100	77	55	84	170	26
Land in irrigated farms according to use, 1949:								
10	Cropland harvested.....farms reporting..	170	104	30	13	1,374	157	22
11	.....acres..	10,963	5,309	7,897	181	43,805	796	1,346
12	Cropland used only for pasture.....acres..	5,181	2,183	320	174	13,070	390	570
13	Cropland not harvested and not pastured.....acres..	1,603	582	4,686	24	13,570	520	373
14	Woodland pastured.....acres..	44,469	5,332	946	263	58,029	786	2,155
15	Other pasture (not cropland and not woodland).....acres..	13,171	928	66,742	44	311,423	5	347
16	Land pastured, total.....farms reporting..	162	103	29	11	909	18	21
17	.....acres..	62,821	8,443	68,008	481	382,522	1,181	3,072
18	Irrigated land in farms.....acres 1949..	10,306	2,137	1,696	124	29,920	626	600
19	.....acres 1944..	9,928	337	780	41	29,149	459	956
20	Land irrigated by sprinklers.....farms reporting 1949..	13	101	7	9	240	79	3
21	.....acres 1949..	377	1,920	230	105	3,655	477	83
Irrigated land in farms according to use, 1949:								
22	Irrigated cropland harvested.....farms reporting..	158	57	27	11	1,349	155	21
23	.....acres..	6,914	878	1,377	78	26,172	526	444
24	Irrigated pasture.....farms reporting..	114	84	8	5	358	4	9
25	.....acres..	3,272	1,206	319	44	2,443	49	156
26	Irrigated wild grass pasture.....farms reporting..	38	16	2	1	74	1	3
27	.....acres..	728	203	27	3	611	9	60
28	Irrigated tame grass pasture.....farms reporting..	88	72	7	4	299	3	6
29	.....acres..	2,544	1,003	292	41	1,832	40	96
30	Irrigated cropland not harvested and not pastured.....farms reporting..	12	8	.....	1	186	12	.....
31	.....acres..	120	53	.....	2	1,305	51	.....
Irrigated farms by acres irrigated in 1949:								
32	1-9 acres.....farms reporting..	22	43	3	11	621	147	8
33	10-19 acres.....farms reporting..	23	32	4	1	353	6	6
34	20-29 acres.....farms reporting..	25	20	5	.....	157	3	2
35	30-49 acres.....farms reporting..	20	14	4	2	156	1	2
36	50-99 acres.....farms reporting..	55	8	11	.....	95	.....	4
37	100-199 acres.....farms reporting..	24	1	3	.....	25	1	1
38	200 acres and over.....farms reporting..	6	.....	1	.....	9	.....	.....
Irrigated farms by tenure of operator, 1950:								
39	Full owners.....number..	123	86	14	13	1,166	153	15
40	Part owners.....number..	42	23	9	1	180	2	6
41	Managers.....number..	.....	2	.....	.....	25	3	.....
42	Tenants.....number..	10	7	8	.....	45	.....	2
Land in wholly and in partly irrigated farms:								
43	Wholly irrigated farms.....number 1950..	110	17	9	2	1,097	144	4
44	All land.....acres 1950..	26,084	611	17,205	417	115,873	2,695	463
45	Cropland harvested.....acres 1949..	4,843	151	657	13	18,955	479	191
46	Irrigated land.....acres 1949..	7,189	233	714	20	21,303	528	252
47	Partly irrigated farms.....number 1950..	65	101	22	12	319	14	19
48	All land.....acres 1950..	57,376	17,846	69,032	1,389	351,056	1,367	5,787
49	Cropland harvested, total.....farms reporting 1949..	60	87	21	11	277	13	18
50	.....acres 1949..	6,120	5,158	7,240	168	24,850	317	1,155
51	Irrigated land.....acres 1949..	3,117	1,904	982	104	8,617	98	348
52	Irrigated cropland harvested.....farms reporting 1949..	48	40	18	9	252	11	17
53	.....acres 1949..	2,071	727	720	65	7,217	47	253
Characteristics of wholly irrigated and nonirrigated farms:								
54	Wholly irrigated farms.....number 1950..	110	17	9	2	1,097	144	4
55	Average acreage per farm:							
56	All land.....acres 1949..	237.1	35.9	1,911.7	208.5	105.6	18.7	115.8
57	Cropland harvested.....acres 1949..	44.0	8.9	73.0	6.5	17.3	3.3	47.8
58	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	1.4	0.1	( <sup>1</sup> )	3.0	10.5	( <sup>1</sup> )	.....
59	Vegetables harvested for sale.....acres 1949..	4.0	1.2	.....	.....	( <sup>1</sup> )	.....	14.2
60	Small grains (including sorghums).....acres 1949..	9.1	.....	7.8	.....	1.0	.....	33.2
61	All hay.....acres 1949..	28.9	3.4	64.9	9.5	5.7	0.1	.....
62	Farms by tenure of operator:							
63	Full owners and managers.....number 1950..	79	15	5	1	998	144	2
64	Part owners.....number 1950..	2	2	2	1	69	.....	1
65	Tenants.....number 1950..	9	.....	2	.....	30	.....	1
66	Value of land and buildings per farm.....dollars 1950..	23,100	9,583	46,818	.....	15,017	32,827	.....
67	Nonirrigated farms.....number 1950..	732	3,278	1,036	556	607	558	477
68	Average acreage per farm:							
69	All land.....acres 1949..	1,121.2	87.2	1,291.8	97.7	1,595.5	114.1	269.1
70	Cropland harvested.....acres 1949..	144.9	17.6	402.8	8.3	124.6	13.8	45.9
71	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	1.6	0.3	( <sup>1</sup> )	0.7	0.2	( <sup>1</sup> )	( <sup>1</sup> )
72	Vegetables harvested for sale.....acres 1949..	.....	0.2	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	.....
73	Small grains (including sorghums).....acres 1949..	82.7	6.2	385.3	0.5	58.3	0.5	16.0
74	All hay.....acres 1949..	60.6	10.3	16.9	7.1	66.7	12.0	30.6
75	Farms by tenure of operator:							
76	Full owners and managers.....number 1950..	460	2,792	237	492	309	501	392
77	Part owners.....number 1950..	210	309	465	32	223	32	53
78	Tenants.....number 1950..	62	177	334	32	75	25	32
79	Value of land and buildings per farm.....dollars 1950..	24,467	9,850	87,019	9,386	14,992	9,992	10,536
Irrigated farms and irrigated land by origin of water, 1949:								
80	Individually operated supply works and—							
81	No other irrigation enterprise.....farms reporting..	43	114	29	14	364	158	19
82	.....acres irrigated..	1,390	2,110	1,634	124	9,410	626	570
83	1 other irrigation enterprise.....farms reporting..	2	.....	.....	.....	88	.....	.....
84	.....acres irrigated..	250	.....	.....	.....	3,830	.....	.....
85	2 or more other irrigation enterprises.....farms reporting..	.....	.....	.....	.....	3	.....	.....
86	.....acres irrigated..	.....	.....	.....	.....	441	.....	.....
87	No individually operated supply works but—							
88	1 other irrigation enterprise.....farms reporting..	66	4	2	.....	935	.....	4
89	.....acres irrigated..	2,864	27	62	.....	15,187	.....	30
90	2 or more other irrigation enterprises.....farms reporting..	64	.....	.....	.....	26	.....	.....
91	.....acres irrigated..	5,802	.....	.....	.....	1,052	.....	.....

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



OTHER CHARACTERISTICS: CENSUSES OF 1950 AND 1945—Continued

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

Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima
246	7	42	1	56	632	206	198	11	645	176	59	6,620
87	.....	2	16	1	996	137	64	.....	566	14	33	6,440
5.7	1.8	1.5	0.4	1.2	17.0	9.6	9.8	2.8	52.5	4.0	2.9	95.1
17,066	1,371	5,911	94	6,783	37,791	84,863	20,569	1,121	161,545	11,975	96,317	705,530
69.4	195.9	140.7	9.4	121.1	59.8	412.0	103.9	101.9	250.5	68.0	1,632.5	106.6
24,320	10,333	34,636	22,000	35,091	13,020	19,491	12,646	22,713	31,195	19,651	84,780	21,670
577.53	74.16	408.38	234.04	294.57	249.66	51.91	105.06	276.99	134.26	236.33	54.10	201.21
66	214	190	500	100	83	83	89	136	80	83	71	87
40	152	115	500	98	72	76	103	110	74	101	68	88
227	7	41	1	51	565	204	170	11	578	174	59	6,326
4,342	192	1,940	21	2,688	13,962	11,950	3,450	331	48,738	5,102	14,374	212,168
2,076	104	946	14	1,403	2,900	3,552	2,872	332	6,890	2,079	1,317	38,977
849	54	171	5	666	4,808	2,765	963	23	27,899	573	13,485	26,395
2,270	70	1,002	8	405	8,736	47,283	6,224	28	6,944	1,060	369	76,754
1,625	18	106	.....	106	1,564	4,962	2,380	216	63,682	502	64,839	301,876
122	4	38	1	43	286	199	167	10	426	137	52	3,967
5,971	192	1,981	22	1,914	13,200	55,797	11,476	576	77,516	3,641	66,525	417,607
3,036	25	1,392	18	1,551	9,458	4,786	2,278	288	24,323	2,930	2,045	266,460
829	.....	26	116	1	7,133	2,565	545	.....	16,360	303	900	253,083
185	2	36	1	38	100	63	88	11	244	140	26	469
2,374	3	1,240	18	1,298	2,704	1,585	1,193	278	10,203	2,396	1,145	10,816
209	7	32	1	38	542	177	134	7	538	144	53	6,290
2,023	23	746	1	792	7,947	3,259	1,215	169	16,553	1,837	1,716	205,701
68	1	25	1	28	200	78	112	6	325	79	15	3,256
865	2	628	12	676	1,131	1,327	1,008	119	6,588	1,016	296	51,837
21	.....	3	.....	3	64	25	47	2	73	4	6	773
167	.....	15	.....	19	314	417	238	35	1,934	31	147	13,069
52	1	24	1	25	142	61	69	4	275	75	9	2,628
698	2	613	12	657	817	910	770	84	4,654	985	149	38,768
24	.....	3	1	5	93	12	20	.....	110	13	4	1,198
148	.....	18	5	83	380	200	55	.....	1,182	77	33	8,922
158	7	11	.....	17	418	74	117	2	255	58	14	1,623
41	.....	9	1	14	102	51	47	4	122	45	12	1,525
24	.....	7	.....	9	34	22	18	2	60	38	10	806
13	.....	9	.....	8	34	30	11	1	66	32	10	1,125
9	.....	2	.....	4	28	24	4	2	76	3	9	984
1	.....	3	.....	4	14	5	1	.....	50	3	3	410
175	6	23	1	37	485	152	152	7	413	117	35	4,644
41	1	16	.....	13	104	41	37	3	137	42	16	903
5	.....	.....	.....	4	6	.....	3	.....	9	1	3	74
25	.....	3	.....	2	37	13	6	1	86	16	5	999
124	1	8	.....	21	437	34	63	.....	411	45	19	6,007
2,549	36	323	.....	976	13,006	6,196	3,778	11	55,449	1,541	2,326	586,727
897	3	97	.....	240	5,774	753	539	45	10,757	627	379	194,918
1,140	3	247	.....	397	6,489	1,040	755	45	14,168	832	414	248,203
122	6	34	1	35	195	172	135	10	234	131	40	613
14,517	1,335	5,588	94	5,807	24,785	78,667	16,791	1,004	106,096	10,434	93,991	118,803
103	6	33	1	30	128	170	107	10	167	131	38	319
3,445	189	1,843	21	2,448	8,186	11,197	2,911	286	37,981	4,475	13,995	17,250
1,896	22	1,145	18	1,154	2,969	3,746	1,523	243	10,155	2,098	1,681	18,257
85	6	24	.....	17	105	143	71	6	127	99	34	283
1,126	20	649	1	552	2,173	2,506	676	124	5,796	1,210	1,337	10,783
124	1	8	.....	21	437	34	63	1	411	45	19	6,007
20.6	36.0	40.4	.....	45.5	29.8	182.2	60.0	117.0	134.9	34.2	122.4	97.7
7.2	3.0	12.1	.....	11.4	13.2	22.1	8.6	45.0	26.2	13.9	19.9	32.4
0.2	(1)	(1)	.....	(1)	2.9	1.1	0.3	1.0	1.3	(1)	5.8	8.8
2.3	.....	0.5	.....	1.0	2.8	0.1	0.9	.....	3.4	0.7	0.4	3.0
(1)	.....	.....	.....	1.2	1.0	2.4	0.7	.....	5.4	.....	.....	4.0
1.0	3.0	6.1	.....	4.6	1.5	15.9	4.7	45.0	12.5	4.6	11.1	9.0
107	1	7	.....	17	341	25	55	1	287	36	17	4,280
9	.....	1	.....	4	70	7	7	.....	69	7	1	805
8	.....	.....	.....	26	3	1	1	.....	55	2	1	922
15,731	.....	23,250	.....	16,533	11,687	16,371	12,366	40,000	24,347	11,500	18,000	22,201
4,057	381	2,714	238	4,730	3,095	1,933	1,824	383	583	4,260	1,959	339
36.7	145.3	57.2	104.3	36.7	260.3	319.1	82.3	82.7	1,084.8	46.5	641.9	1,233.7
5.4	16.2	20.0	12.7	8.0	94.2	47.4	11.4	12.0	401.9	15.7	336.8	74.5
0.1	0.2	0.1	1.2	0.2	0.2	0.1	0.4	0.1	0.1	0.1	0.1	0.4
0.3	(1)	2.8	0.1	0.8	0.2	(1)	0.3	(1)	19.6	0.2	0.2	1.2
0.4	5.5	5.3	1.2	1.0	56.6	20.4	3.0	(1)	360.1	3.6	256.5	62.5
3.6	10.5	9.7	8.3	5.7	17.7	27.1	7.4	(1)	6.3	11.1	11.8	7.7
3,589	320	2,137	212	4,140	2,141	1,459	1,596	324	281	3,478	684	236
267	43	348	12	309	606	322	140	32	173	419	642	47
201	18	229	14	281	348	152	88	27	129	363	633	56
11,028	14,609	15,154	7,727	10,673	24,908	11,984	9,539	13,592	84,396	12,927	85,735	12,488
232	7	41	1	52	98	200	124	11	282	170	57	319
2,978	25	1,391	18	1,464	1,988	4,673	1,775	288	11,412	2,830	1,942	11,346
1	.....	.....	.....	3	4	2	.....	.....	63	3	.....	259
16	.....	.....	.....	67	132	66	.....	.....	3,080	77	.....	18,537
.....	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	41
.....	.....	.....	.....	.....	.....	.....	.....	.....	750	.....	.....	6,810
13	.....	1	.....	1	513	4	74	.....	263	3	2	5,710
42	.....	.....	.....	20	6,778	47	503	.....	7,673	23	103	206,324
.....	.....	.....	.....	.....	.....	.....	.....	.....	31	.....	.....	291
.....	.....	.....	.....	.....	560	.....	.....	.....	1,408	.....	.....	23,443

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	Adams	Asotin	Benton	Chelan	Clallam
ALL ENTERPRISES							
Farms and land irrigated:							
1	All irrigation enterprises.....enterprises 1950..	5,263	11	13	104	593	146
2	..... 1940..	4,120	12	26	134	509	13
3	Intercounty enterprises.....enterprises 1950..	14	1	.....	4	3	.....
4	Irrigated farms <sup>2</sup> .....farms 1950..	16,928	11	301	1,226	1,762	311
5	Average per enterprise.....farms 1950..	3.2	1.0	23.2	11.8	3.0	2.1
6	Farms irrigated direct per enterprise <sup>3</sup> .....farms 1950..	4.2	0.9	27.8	13.1	3.7	2.9
7	Irrigated land <sup>2</sup> .....acres 1949..	618,129	1,229	2,165	37,537	27,882	10,576
8	.....acres 1939..	615,013	730	3,749	38,332	34,527	10,910
9	Average per irrigated farm.....acres 1949..	36.5	111.7	7.2	30.6	15.8	34.0
10	Average per enterprise.....acres 1949..	117	112	166	361	47	72
11	Average acreage irrigated direct per enterprise <sup>3</sup> .....acres 1949..	125	112	166	374	50	83
Type of enterprise, 1950:							
12	Single-farm.....enterprises..	4,822	10	11	94	516	136
13	.....acres irrigated..	114,607	1,229	463	2,862	8,534	5,863
Mutual:							
14	Incorporated.....enterprises..	273	.....	.....	1	50	.....
15	.....acres irrigated..	39,697	.....	.....	( <sup>4</sup> )	2,732	.....
16	Incorporated.....enterprises..	82	.....	.....	.....	13	6
17	.....acres irrigated..	57,793	.....	.....	.....	3,233	3,406
18	Commercial.....enterprises..	3	.....	1	.....	.....	.....
19	.....acres irrigated..	1,780	.....	( <sup>4</sup> )	.....	.....	.....
20	District.....enterprises..	74	.....	.....	8	14	4
21	.....acres irrigated..	260,243	.....	.....	23,548	14,908	2,856
22	U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	3	1	.....	1	.....	.....
23	.....acres irrigated..	37,740	.....	.....	12,347	.....	.....
24	U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	2	.....	.....	.....	.....	.....
25	.....acres irrigated..	115,353	.....	.....	.....	.....	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	4	.....	1	.....	.....	.....
29	.....acres irrigated..	977	.....	( <sup>4</sup> )	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
30	Gravity only.....enterprises reporting..	1,326	1	7	7	182	13
31	.....acres irrigated..	390,075	400	155	29,867	17,598	5,781
32	Pumped only.....enterprises reporting..	2,045	3	2	35	269	114
33	.....acres irrigated..	73,603	110	39	7,543	5,300	4,494
34	Gravity and pumped.....enterprises reporting..	179	3	2	.....	48	13
35	.....acres irrigated..	144,097	350	1,724	.....	5,382	993
36	Ground water only (pumped from wells).....enterprises reporting..	1,362	2	1	31	72	2
37	.....acres irrigated..	33,524	99	7	611	754	44
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	351	2	1	31	22	4
39	.....acres irrigated..	16,891	270	240	905	356	813
Stored water:							
40	None stored.....enterprises reporting..	4,981	11	11	100	562	144
41	.....acres irrigated..	287,971	1,229	468	14,648	18,382	12,058
42	Part stored.....enterprises reporting..	139	.....	2	3	19	.....
43	.....acres irrigated..	354,922	.....	1,697	22,592	10,413	.....
44	All stored.....enterprises reporting..	143	.....	.....	1	12	2
45	.....acres irrigated..	15,297	.....	.....	1,686	595	67
Sources of surface water, 1949: <sup>6</sup>							
46	Streams (and lakes).....enterprises reporting..	3,404	9	12	72	464	135
47	.....acres irrigated..	613,786	1,130	2,158	38,293	28,011	11,828
48	Springs.....enterprises reporting..	379	1	.....	.....	69	5
49	.....acres irrigated..	12,466	400	.....	.....	951	83
50	Flowing wells.....enterprises reporting..	54	1	.....	.....	2	.....
51	.....acres irrigated..	3,833	180	.....	.....	14	.....
52	Drainage water.....enterprises reporting..	242	.....	.....	2	2	18
53	.....acres irrigated..	128,174	.....	.....	25	28	1,896
54	Sewage.....enterprises reporting..	10	.....	.....	1	.....	.....
55	.....acres irrigated..	730	.....	.....	3	.....	.....
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Drainage of irrigated land: <sup>7</sup>							
Irrigated land drained:							
58	Enterprises reporting.....enterprises 1949..	393	3	.....	5	19	20
59	Area supplied primary irrigation.....acres 1949..	355,946	500	.....	15,491	3,973	2,216
60	Area artificially drained.....acres 1949..	158,705	420	.....	3,232	298	775
61	.....acres 1939..	178,044	.....	.....	4,423	28	(*)
Irrigated land in need of drainage:							
62	Enterprises reporting.....enterprises 1949..	314	1	.....	7	21	10
63	Area supplied primary irrigation.....acres 1949..	332,036	400	.....	31,483	4,368	1,032
64	Area in need of drainage.....acres 1949..	77,174	70	.....	20,450	541	176
65	.....acres 1939..	18,673	.....	.....	1,540	3	(*)

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

Clark <sup>1</sup>	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King	Kitsap	
85	40	25	263	52	49	32	199	77	4	13	235	45	1
104	56	28	191	89	62	37	155	123	3	14	128	40	2
80	41	27	459	60	180	32	214	72	4	19	239	48	3
0.9	1.0	1.1	1.7	1.2	3.7	1.0	1.1	0.9	1.0	1.5	1.0	1.1	5
1.0	1.3	1.0	2.4	1.2	4.8	1.0	1.1	1.0	1.0	1.5	1.1	1.0	6
1,271	2,456	974	8,004	1,413	4,722	740	14,374	1,278	59	428	4,916	587	7
1,160	2,565	498	9,074	1,533	3,203	659	5,680	949	35	103	1,641	118	8
15.9	59.9	36.1	17.4	23.6	26.2	23.1	67.2	17.8	14.8	22.5	20.6	12.2	9
15	61	39	30	27	96	23	72	17	15	33	21	13	10
15	66	39	34	28	96	23	72	17	15	33	21	13	11
85	35	25	245	51	47	32	196	77	4	12	233	45	12
1,271	2,210	974	5,474	1,311	1,424	740	14,240	1,278	59	379	4,726	587	13
	4		10				1			1	1		14
	311		302				( <sup>4</sup> )			( <sup>4</sup> )	( <sup>4</sup> )		15
			3										16
			852										17
			1										18
		( <sup>4</sup> )	4		1		1						19
	( <sup>4</sup> )		2,294		( <sup>4</sup> )		( <sup>4</sup> )						20
					1		1						21
					2,262								22
					1								23
				125									24
													25
													26
													27
													28
											( <sup>4</sup> )		29
6	21	3	21	36		4	7	2	2	4	28	4	30
67	678	11	2,610	770		31	1,535	120	20	77	493	11	31
24	8	16	105	10	14	21	23	43		8	159	34	32
528	205	814	3,394	264	3,993	504	2,577	496		321	3,792	539	33
2	7		4	5		3				1	4		34
19	1,732		127	401		161				30	35		35
45	4	6	118	1	33	3	149	26	1		35	5	36
577	16	149	2,042	1	691	40	8,555	529	11		350	24	37
8			15		2	1	20	6	1		9	2	38
80			834		38	4	1,742	133	28		251	13	39
82	40	24	261	45	49	32	197	68	1	12	226	42	40
1,247	2,631	956	8,662	1,014	4,722	740	14,335	1,250	11	398	4,861	569	41
1		1	2	4			1	1	1	1	8	1	42
5		18	345	199			74	7	28	30	58	5	43
2				3			1	8	2		1	2	44
19				223				21	20		2	13	45
27	34	10	134	48	16	27	47	31	1	10	161	34	46
516	2,583	121	6,569	1,407	4,031	685	5,530	694	10	400	4,255	530	47
8	4		11	5		7	1	1	1	4	29	4	48
47	208		425	104		244	5	7	10	58	162	21	49
	1		2				2				4	1	50
	80		8				24				40	2	51
4	2	9	2				2	18	1	1	13	1	52
128	32	704	348				625	53	28	20	157	10	53
2								2					54
5								2					55
													56
													57
15	5	7	1	1			1	4	2	4	46	4	58
411	1,540	823	4	200			125	20	38	131	1,611	243	59
355	374	787	4	8			125	20	29	100	1,227	156	60
232	(*)		(*)		(*)			578		(*)	65	23	61
11	3	2	1				3			1	35	2	62
184	1,422	22	52				399			30	1,136	14	63
118	261	8	4				176			30	859	5	64
14				(*)				2			10	12	65

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)	Kititas	Klickitat	Lewis	Lincoln	Mason	Okanogen	Pacific
ALL ENTERPRISES							
Farms and land irrigated:							
1 All irrigation enterprises.....enterprises 1950..	204	64	115	29	17	531	80
2 .....	267	81	36	20	16	438	29
3 Intercounty enterprises.....enterprises 1950..	1	2				1	
4 Irrigated farms <sup>2</sup> .....farms 1950..	1,008	175	118	31	14	1,416	158
5 Average per enterprise.....farms 1950..	4.9	2.7	1.0	1.1	0.8	2.7	2.0
6 Farms irrigated direct per enterprise <sup>3</sup> .....farms 1950..	6.7	4.2	1.0	1.0	1.0	3.4	1.0
7 Irrigated land <sup>2</sup> .....acres 1949..	110,392	10,495	2,135	1,634	136	30,577	502
8 .....	108,399	13,093	467	1,323	107	32,809	206
9 Average per irrigated farm.....acres 1949..	109.5	60.0	18.1	52.7	9.7	21.6	3.2
10 Average per enterprise.....acres 1949..	541	164	19	56	8	58	6
11 Average acreage irrigated direct per enterprise <sup>3</sup> .....acres 1949..	564	236	19	56	8	61	6
Type of enterprise, 1950:							
12 Single-farm.....enterprises..	158	48	114	29	17	478	80
13 .....	14,162	1,478	2,110	1,634	136	12,134	502
Mutual:							
14 Unincorporated.....enterprises..	37	9	1			34	
15 .....	9,801	6,806	( <sup>4</sup> )			3,399	
16 Incorporated.....enterprises..	5	5				10	
17 .....	21,043	6,161				3,466	
Commercial.....enterprises..							
18 .....							
19 District.....enterprises..	2	2				8	
20 .....	( <sup>4</sup> )	( <sup>4</sup> )				12,685	
21 U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	1						
22 .....							
23 U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..						1	
24 .....						750	
25 State.....enterprises..							
26 .....							
27 City.....enterprises..	1						
28 .....	( <sup>4</sup> )						
29 Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
Gravity only:							
30 Gravity only.....enterprises reporting..	190	40	3	16	2	171	1
31 .....	113,489	13,758	37	1,063	10	13,133	4
Pumped only.....enterprises reporting..							
32 .....	9	15	76	9	5	168	33
33 .....	796	780	1,569	396	87	5,520	347
Gravity and pumped.....enterprises reporting..							
34 .....	1	2	1		1	10	1
35 .....	110	270	15		1	10,756	3
Ground water only (pumped from wells).....enterprises reporting..							
36 .....	3	5	35	3	7	149	4
37 .....	422	98	514	170	23	1,736	25
Surface (gravity or pumped) and ground water.....enterprises reporting..							
38 .....	1	2			2	33	41
39 .....	144	163		5	15	1,306	123
Stored water:							
None stored.....enterprises reporting..							
40 .....	198	61	114	28	16	509	18
41 .....	37,561	15,021	2,132	1,624	130	24,185	250
Part stored.....enterprises reporting..							
42 .....	5	2				12	6
43 .....	77,150	24				6,433	18
All stored.....enterprises reporting..							
44 .....	1	1	1	1	1	10	56
45 .....	250	24	3	10	6	1,833	234
Sources of surface water, 1949: <sup>6</sup>							
Streams (and lakes).....enterprises reporting..							
46 .....	191	46	78	22	10	359	9
47 .....	113,965	14,800	1,609	1,405	113	30,486	227
Springs.....enterprises reporting..							
48 .....	18	13	2	5	1	23	
49 .....	3,349	171	6	79	1	289	
Flowing wells.....enterprises reporting..							
50 .....	1		2		1	1	
51 .....	160		23		1	82	
Drainage water.....enterprises reporting..							
52 .....	24					4	67
53 .....	5,602					89	379
Sewage.....enterprises reporting..							
54 .....							1
55 .....							1
Other sources.....enterprises reporting..							
56 .....							
57 .....							
Drainage of irrigated land: <sup>7</sup>							
Irrigated land drained:							
Enterprises reporting.....enterprises 1949..							
58 .....	31	3	14			8	11
59 Area supplied primary irrigation.....acres 1949..	79,573	4,439	254			2,651	216
60 Area artificially drained.....acres 1949..	15,359	2,720	189			190	186
61 .....	1,167	(*)			(*)	22	10
Irrigated land in need of drainage:							
Enterprises reporting.....enterprises 1949..							
62 .....	42	4	11		2	14	8
63 Area supplied primary irrigation.....acres 1949..	79,064	3,503	337		80	8,824	106
64 Area in need of drainage.....acres 1949..	19,923	1,105	154		17	495	87
65 .....	6,072	(*)		(*)		217	

\*Not available. <sup>1</sup>For 1950, includes data for 1 enterprise in Skamania County. <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 Irrigation and therefore differs from acreage irrigated shown in County Table 1. (See text.) <sup>3</sup>Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise. <sup>4</sup>Data for less than 3 enterprises not shown separately. <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 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]

Pend Oreille	Pierce	San Juan	Skagit	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima
21	233	6	41	50	126	207	127	10	444	174	58	753
57	287	(*)	10	10	90	192	36	(*)	285	35	45	465
23	246	7	42	56	632	206	198	11	2	59	6,620	6
1.1	1.1	1.2	1.0	1.1	5.0	1.0	1.6	1.1	1.5	1.0	1.0	8.8
1.1	1.0	1.0	1.0	1.0	8.2	1.0	1.6	1.0	2.2	1.0	1.0	12.2
612	2,990	23	1,391	1,414	10,295	4,748	2,330	287	28,558	2,940	1,921	284,138
1,654	4,035	(*)	158	102	16,652	5,379	3,261	(*)	20,363	528	1,419	289,584
26.6	12.2	3.3	33.1	25.2	16.3	23.0	11.8	26.1	44.3	16.7	32.6	42.9
29	13	4	34	28	82	23	18	29	64	17	33	377
29	13	4	34	28	95	23	18	29	67	17	33	405
20	232	6	41	50	111	207	126	10	367	174	58	644
582	2,997	23	1,391	1,414	2,243	4,804	1,814	287	14,382	2,947	1,921	24,622
1					1				62			61
(4)					(4)				7,278			8,537
					3				6			32
					905				1,181			17,546
					1							18
					(4)							19
					10		1		9			13
					8,810		(4)		6,752			116,954
												2
												23,131
												1
												114,478
												26
												27
	1											28
	(4)											29
17	15	4		1	26	136	3		105	2	5	248
511	86	12		32	4,535	2,752	104		16,055	19	54	164,197
4	120		15	26	40	51	67	10	127	49	39	298
101	1,627		636	927	1,005	1,360	1,703	287	4,654	794	1,362	14,739
	3	1		1	2	7			12	1	1	45
	49	9		2	3,007	366			499	20	1	118,035
	82		26	21	52	4	54		150	113	10	110
	992		755	432	3,373	109	489		3,996	1,979	159	3,752
	13	1		1	6	9	3		50	9	3	52
	252	2		21	88	217	34		4,389	135	345	3,945
20	228	4	40	49	122	194	127	10	442	172	58	673
597	2,760	12	1,366	1,405	9,947	4,385	2,330	287	29,528	2,914	1,921	61,435
	1	1		1	1	8			2			59
	4	2		9	2,000	247			65			233,499
1	4	1	1		3	5				2		21
15	242	9	25		61	172				33		9,734
20	120	6	13	27	59	182	70	10	267	50	42	564
609	1,715	23	606	873	8,265	4,257	1,735	287	23,153	829	1,706	298,372
1	22		1	2	11	29	2		28	5	10	56
3	466		5	11	281	749	95		1,893	101	114	2,128
	4				4	4	1		10			13
	62				89	160	6		1,374			1,528
	8		1	2	1		1		4	11		44
	84		25	255	13		30		402	160		117,081
	1								1			2
	10								699			10
												56
												57
1,	50		8	10	3	10	3		13	37	4	51
3	1,047		188	550	57	499	76		5,875	801	115	232,276
3	685		124	306	38	336	46		1,335	548	82	128,648
(*)	36	(*)	15	42	(*)		5	(*)		102	(*)	170,996
	33		4	4	6	4	6		10	18	1	53
	712		54	275	103	169	694		2,309	408	2	194,854
	249		20	67	45	25	140		512	201	1	31,435
(*)	39	(*)		9	(*)	92	201	(*)	(*)			10,350

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	Asotin	Benton	Chelan	Clallam
ALL ENTERPRISES							
Irrigation works:							
1	Diversion dams.....enterprises reporting 1950..	1,483	8	7	2	172	7
2	dams 1950..	1,061	12	9	2	191	7
3	1940..	1,755	4	36	3	172	5
Diversion dams by material:							
4	Concrete or masonry.....dams 1950..	293	9			20	
5	Timber.....dams 1950..	304			1	17	2
6	Earth and rock.....dams 1950..	1,120	3	9	1	144	5
7	Other, mixed, and not reported.....dams 1950..	144			1	10	
Reservoirs.....enterprises reporting 1950..							
8	reservoirs 1950..	186		2		23	1
9	1940..	222		2		31	1
10	1940..	114		1		23	
11	Reservoirs for which capacity was reported.....reservoirs 1950..	205		1		28	
12	total capacity, acre-feet 1950..	6,436,522		59		16,323	
13	1940..	1,165,527		(*)		8,127	
Reservoirs by capacity:							
14	1-99 acre-feet.....reservoirs 1950..	159		1		17	
15	100-999 acre-feet.....reservoirs 1950..	18				6	
16	1,000 acre-feet and over.....reservoirs 1950..	28				5	
Reservoir dams by material:							
17	Concrete or masonry.....dams 1950..	25		1		6	
18	Earth and rock.....dams 1950..	177		1		24	1
19	Other, mixed, and not reported.....dams 1950..	20				1	
Canals and ditches.....enterprises reporting 1950..							
20	total length, miles 1950..	958	7	8	27	109	17
21	1940..	4,084	14	14	595	238	116
22	1940..	1,249	9	29	209	277	84
23	Pipelines and siphons <sup>3</sup> .....enterprises reporting 1950..	920	7	4	31	234	16
24	total length, miles 1950..	1,514	8	71	128	266	6
25	1940..	2,613	4	52	234	646	3
Tunnels.....enterprises reporting 1950..							
26	total length, feet 1950..	20				6	
27	1950..	103,487				16,002	
28	Flowing wells.....enterprises reporting 1950..	54	1			2	
29	wells 1950..	69	2			2	
30	1940..	50	1		7		
Pumped wells.....enterprises reporting 1950..							
31	wells 1950..	1,710	4	2	62	93	6
32	1940..	2,098	7	3	69	104	6
33	1940..	1,041	2		80	60	
34	Wells for which pumping lift was reported.....wells 1949..	1,839	5	2	65	98	3
35	Average pumping lift.....feet 1949..	50	78	100	24	51	69
36	1939..	43	61		35	45	
Irrigation pumps.....enterprises reporting 1950..							
37	pumps 1950..	3,938	9	7	98	413	133
38	1940..	5,125	18	14	140	544	152
39	1940..	2,487	4	3	142	350	1
40	Electric motors used for pumping.....enterprises reporting 1950..	3,225	8	5	91	403	95
41	electric motors 1950..	4,223	17	11	131	530	101
Other motors and engines used for pumping.....enterprises reporting 1950..							
42	other motors and engines 1950..	827	1	2	9	14	45
43	1950..	926	1	2	11	16	52
Season of irrigation, 1949:							
44	Water delivered only before July 1.....enterprises reporting..	73		1		4	
45	acres irrigated..	5,822		19		89	
46	Water delivered before and after July 1.....enterprises reporting..	4,475	11		84	566	137
47	acres irrigated..	634,083	1,229	2,146	38,707	28,828	11,927
48	Water delivered only after July 1.....enterprises reporting..	419			1	1	6
49	acres irrigated..	11,777			5	48	120
Capital investment:							
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	56,415,196	19,920	724,459	2,777,690	4,400,110	299,754
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51	Enterprises reporting.....enterprises 1950..	3,169	9	5	73	295	133
52	Amount.....dollars 1950..	121,874,792	67,800	97,676	3,855,858	964,563	296,204
53	Area irrigated direct.....acres 1949..	391,981	1,170	1,976	14,745	21,375	7,909
54	Total capital investment Jan. 1, 1950.....dollars 1950..	178,289,988	87,720	822,135	6,633,548	5,364,673	595,958
Indebtedness: <sup>4</sup>							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
55	Enterprises reporting.....enterprises 1950..	68	1		8	12	3
56	Amount.....dollars 1950..	114,781,999	11,360,000		7,705,772	366,495	71,246
57	1940..	22,621,604			1,455,044	1,073,109	96,840
58	Area irrigated direct.....acres 1949..	173,215			35,355	10,494	1,310
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
59	Enterprises reporting.....enterprises 1950..	3					
60	Amount.....dollars 1950..	50,352					
61	Area irrigated direct.....acres 1949..	1,403					

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

# WASHINGTON

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## BY COUNTIES: CENSUSES OF 1950 AND 1940

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

Clark <sup>1</sup>	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King	Kitsap	
18	29	5	15	39	.....	9	8	16	1	5	35	10	1
20	45	5	17	49	.....	9	19	19	1	6	39	10	2
43	42	3	9	60	.....	12	31	3	2	15	10	4	3
5	1	.....	2	3	.....	1	6	2	.....	.....	5	2	4
1	1	.....	.....	7	.....	1	1	.....	.....	2	2	2	5
14	29	5	13	30	.....	7	5	14	1	3	26	5	6
.....	14	.....	2	9	.....	.....	7	3	.....	1	6	1	7
3	.....	1	1	7	.....	.....	2	4	3	1	9	2	8
3	.....	1	3	7	.....	.....	2	4	3	1	10	2	9
1	.....	1	5	.....	1	.....	4	2	.....	.....	2	4	10
2	.....	1	3	6	.....	.....	2	4	3	1	7	1	11
22	.....	36	70	17,146	.....	.....	5,277,800	4	30	2	37	1	12
(*)	.....	(*)	56	.....	(*)	.....	41,276	(*)	.....	.....	(*)	4	13
2	.....	1	3	4	.....	.....	.....	4	3	1	7	1	14
.....	.....	.....	.....	2	.....	.....	2	.....	.....	.....	.....	.....	15
.....	.....	.....	.....	2	.....	.....	1	.....	.....	1	3	.....	16
2	.....	1	3	1	.....	.....	.....	2	3	.....	.....	.....	17
1	.....	.....	.....	4	.....	.....	1	2	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	19
4	18	.....	5	27	4	9	12	.....	.....	4	12	2	20
3	25	.....	15	41	36	5	11	.....	.....	3	7	1	21
7	27	.....	18	52	19	4	15	.....	.....	3	8	.....	22
15	6	1	57	15	4	17	18	7	1	7	4	12	23
9	2	1	56	9	27	7	12	67	1	2	21	4	24
32	3	6	244	4	69	5	42	15	.....	1	50	13	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	1	.....	2	.....	.....	.....	2	.....	.....	.....	4	1	28
.....	1	.....	2	.....	.....	.....	4	.....	.....	.....	5	.....	29
8	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	3	30
53	4	6	134	1	35	4	167	32	.....	.....	44	9	31
57	4	8	145	1	42	4	221	33	2	.....	65	9	32
39	2	8	96	.....	.....	.....	122	9	1	.....	31	12	33
44	4	7	121	1	38	3	215	20	2	.....	44	7	34
50	42	30	78	30	51	14	93	23	60	.....	42	59	35
15	(*)	25	67	.....	33	.....	63	23	(*)	.....	30	24	36
79	19	22	242	15	48	28	191	75	2	9	207	41	37
85	27	23	311	20	78	35	295	81	3	9	243	44	38
65	2	28	195	1	84	15	164	106	1	.....	113	25	39
68	13	12	235	7	43	25	180	28	2	5	144	27	40
71	18	14	303	10	72	30	295	29	3	5	162	28	41
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42
13	7	9	6	11	8	5	2	47	1	4	74	13	43
13	9	9	9	11	8	5	2	57	1	4	82	14	43
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44
1	1	.....	1	1	.....	.....	3	.....	1	1	1	2	44
20	115	.....	30	23	.....	.....	765	.....	28	8	65	16	45
65	31	14	257	49	47	29	189	62	2	10	137	39	46
865	2,426	782	8,852	1,363	4,706	680	13,550	1,058	21	364	3,271	542	47
16	3	11	.....	.....	1	1	2	14	1	2	61	3	48
320	15	192	.....	.....	4	23	11	219	10	56	1,268	20	49
65,472	38,409	15,661	1,438,975	15,335	1,162,994	34,900	280,250	29,654	4,175	2,883	121,525	15,162	50
55	15	18	149	31	32	26	128	63	2	9	155	27	51
75,439	32,055	16,050	301,053	47,120	2,894,990	51,028	100,781,469	60,260	8,500	16,384	201,907	21,967	52
868	1,761	685	6,898	1,049	4,380	589	9,500	1,092	39	384	3,363	473	53
140,911	70,464	31,711	1,740,028	62,455	4,057,984	85,929	101,061,719	89,914	12,655	19,267	323,432	37,129	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55
.....	.....	.....	2	.....	1	.....	1	.....	.....	.....	.....	.....	56
.....	.....	.....	28,120	.....	30,640,000	.....	45,465,000	.....	.....	.....	.....	.....	57
.....	.....	.....	96,403	.....	47,455	.....	17,500	.....	.....	.....	.....	.....	58
.....	.....	.....	2,214	.....	2,262	.....	.....	.....	.....	.....	.....	.....	59
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific
<b>ALL ENTERPRISES</b>							
<b>Irrigation works:</b>							
1 Diversion dams.....enterprises reporting 1950..	175	42	9	18	4	162	7
2 ..dams 1950..	273	44	10	28	4	195	7
3 ..dams 1940..	387	81	1	22	10	171	.....
Diversion dams by material:							
4 Concrete or masonry.....dams 1950..	43	6	1	.....	.....	15	2
5 Timber.....dams 1950..	66	9	1	3	1	54	.....
6 Earth and rock.....dams 1950..	158	27	6	21	1	121	1
7 Other, mixed, and not reported.....dams 1950..	6	2	2	4	2	6	4
8 Reservoirs.....enterprises reporting 1950..	2	3	1	1	1	15	61
9 ..reservoirs 1950..	4	3	2	1	1	22	65
10 ..reservoirs 1940..	4	3	.....	.....	.....	17	.....
11 Reservoirs for which capacity was reported.....reservoirs 1950..	4	3	2	1	1	22	65
12 total capacity, acre-feet 1950..	827,750	4	6	1	1	51,576	140
13 ..total capacity, acre-feet 1940..	827,720	31	.....	.....	(*)	49,639	.....
Reservoirs by capacity:							
14 1-99 acre-feet.....reservoirs 1950..	1	3	2	1	1	9	65
15 100-999 acre-feet.....reservoirs 1950..	.....	.....	.....	.....	.....	3	.....
16 1,000 acre-feet and over.....reservoirs 1950..	3	.....	.....	.....	.....	10	.....
Reservoir dams by material:							
17 Concrete or masonry.....dams 1950..	.....	2	.....	1	1	1	.....
18 Earth and rock.....dams 1950..	4	1	2	.....	.....	21	64
19 Other, mixed, and not reported.....dams 1950..	.....	.....	.....	.....	.....	.....	1
20 Canals and ditches.....enterprises reporting 1950..	115	26	1	12	1	105	1
21 total length, miles 1950..	566	99	1	32	1	446	(2)
22 ..total length, miles 1940..	571	81	(2)	18	3	516	.....
23 Pipelines and siphons <sup>3</sup> .....enterprises reporting 1950..	8	8	9	9	3	68	4
24 total length, miles 1950..	6	7	3	3	1	103	4
25 ..total length, miles 1940..	42	20	8	2	3	228	4
26 Tunnels.....enterprises reporting 1950..	3	.....	.....	.....	.....	4	.....
27 total length, feet 1950..	23,428	.....	.....	.....	.....	7,218	.....
28 Flowing wells.....enterprises reporting 1950..	1	.....	2	.....	1	1	.....
29 wells 1950..	3	.....	2	.....	3	3	.....
30 wells 1940..	1	.....	.....	.....	.....	.....	.....
31 Pumped wells.....enterprises reporting 1950..	5	7	35	4	9	180	44
32 wells 1950..	12	13	44	4	9	202	64
33 wells 1940..	5	5	14	3	.....	115	18
34 Wells for which pumping lift was reported.....wells 1949..	11	13	39	4	5	187	55
35 Average pumping lift.....feet 1949..	37	45	31	76	23	41	7
36 ..Average pumping lift.....feet 1939..	34	24	24	49	.....	44	12
37 Irrigation pumps.....enterprises reporting 1950..	15	24	112	13	15	359	80
38 pumps 1950..	31	40	118	18	16	498	91
39 pumping plants 1940..	13	25	36	5	2	298	23
40 Electric motors used for pumping.....enterprises reporting 1950..	9	20	77	12	12	353	18
41 electric motors 1950..	18	36	83	16	13	481	18
42 Other motors and engines used for	.....	.....	.....	.....	.....	.....	.....
43 pumping.....enterprises reporting 1950..	9	4	37	2	2	13	66
.....other motors and engines 1950..	18	4	38	2	2	23	72
<b>Season of Irrigation, 1949:</b>							
44 Water delivered only before July 1.....enterprises reporting..	15	.....	1	2	.....	5	.....
45 ..acres irrigated..	2,297	.....	16	80	.....	299	.....
46 Water delivered before and after July 1.....enterprises reporting..	155	61	90	23	9	488	73
47 ..acres irrigated..	110,531	10,906	1,619	1,254	94	31,375	456
48 Water delivered only after July 1.....enterprises reporting..	2	1	22	3	7	13	7
49 ..acres irrigated..	269	4,151	432	130	38	582	46
<b>Capital Investment:</b>							
50 Capital investment in irrigation works and water	.....	.....	.....	.....	.....	.....	.....
rights to Jan. 1, 1940.....dollars 1940..	13,196,137	263,473	27,139	8,573	7,910	4,372,245	13,505
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51 Enterprises reporting.....enterprises 1950..	44	17	94	13	10	267	62
52 Amount.....dollars 1950..	251,572	72,400	96,760	57,790	9,961	1,183,198	130,000
53 Area irrigated direct.....acres 1949..	61,318	1,968	1,616	395	107	22,259	438
54 Total capital investment Jan. 1, 1950.....dollars 1950..	13,447,709	335,873	123,899	66,363	17,871	5,555,443	143,505
<b>Indebtedness:<sup>4</sup></b>							
Outstanding bonds, construction cost, and other							
funded obligations, Jan. 1, 1950:							
55 Enterprises reporting.....enterprises 1950..	5	1	.....	.....	.....	8	.....
56 Amount.....dollars 1950..	1,973,871	3,500	.....	.....	.....	832,028	.....
57 ..Amount.....dollars 1940..	11,081,889	17,550	.....	.....	.....	821,082	.....
58 Area irrigated direct.....acres 1949..	83,102	324	.....	.....	.....	13,185	.....
Arrearage in payment of principal or interest on							
bonds, construction cost, and other funded							
obligations, Jan. 1, 1950:							
59 Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....	.....
60 Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....	.....
61 Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....	.....

\*Not available.

<sup>1</sup>For 1950, includes data for 1 enterprise in Skamania County.

<sup>2</sup>Less than 0.5

<sup>3</sup>Pipelines in farm-distribution systems were included in 1940, not included in 1950.

<sup>4</sup>Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.





IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State	Adams	Asotin	Benton	Chelan	Clallam
<b>ALL ENTERPRISES</b>						
Cost of water to farms, 1949: <sup>2</sup>						
Total cost of water to farms:						
1 Enterprises reporting.....enterprises..	5,213	10	13	97	592	145
2 Cost.....dollars..	4,105,744	8,005	28,090	371,172	460,852	42,564
3 Area irrigated direct.....acres..	658,190	1,229	2,165	38,926	29,390	12,125
4 Cost per acre irrigated direct.....dollars..	6.24	6.51	12.97	9.54	15.68	3.51
5 Total cost per irrigated acre.....dollars..	6.64	6.51	12.97	9.89	16.53	4.02
6 Total cost per acre-foot of water <sup>3</sup> .....dollars..	1.28	( <sup>4</sup> )	( <sup>4</sup> )	1.87	3.12	0.55
Enterprises by cost per acre:						
7 Less than \$1.00.....enterprises reporting..	1,260	1	7	3	140	9
8 .....acres irrigated..	88,040	400	182	32	3,133	3,379
9 \$1.00-\$1.99.....enterprises reporting..	262			9	11	13
10 .....acres irrigated..	23,153			767	604	1,047
11 \$2.00-\$4.99.....enterprises reporting..	847	2		18	50	49
12 .....acres irrigated..	196,498	190	2	969	3,213	4,698
13 \$5.00-\$9.99.....enterprises reporting..	1,069	2	2	19	96	50
14 .....acres irrigated..	228,215	240	39	15,539	3,088	2,615
15 \$10.00 and over.....enterprises reporting..	1,775	5	4	48	295	24
16 .....acres irrigated..	122,284	399	1,944	21,619	19,352	386
Cost of water for primary irrigation:						
17 Enterprises reporting.....enterprises..	5,021	10	13	80	567	141
18 Cost.....dollars..	3,893,883	8,005	28,090	359,442	446,638	39,376
19 Area supplied primary irrigation.....acres..	618,129	1,229	2,165	37,537	27,882	10,576
20 Cost per acre supplied.....dollars..	6.30	6.51	12.97	9.58	16.02	3.72
Cost of water for supplemental irrigation:						
21 Enterprises reporting.....enterprises..	331			23	46	9
22 Cost.....dollars..	211,861			11,730	14,214	3,188
23 Area supplied supplemental irrigation.....acres..	40,061			1,389	1,508	1,549
24 Cost per acre supplied.....dollars..	5.29			8.44	9.43	2.06
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>						
25 Enterprises reporting.....enterprises..	70			8	16	2
26 Cost.....dollars..	687,435			99,285	81,332	915
27 Area irrigated direct.....acres..	327,837			35,355	10,695	1,240
28 Cost per acre irrigated.....dollars..	2.10			2.81	7.60	0.74
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>						
29 Enterprises reporting.....enterprises..	114			5	22	8
30 Amount.....dollars..	298,945			23,400	34,986	3,797
31 Area irrigated direct.....acres..	269,056			17,093	17,384	5,781
<b>SINGLE-FARM ENTERPRISES, 1950</b>						
32 Single-farm enterprises.....enterprises..	4,822	10	11	94	516	136
33 Area irrigated.....acres..	144,607	1,229	463	2,862	8,534	5,863
34 Complete-system enterprises <sup>6</sup> .....enterprises..	4,097	10	11	70	377	31
35 Area irrigated.....acres..	121,914	1,229	463	2,227	6,537	1,367
Other farms irrigated:						
36 Enterprises reporting.....number..	145		4		18	3
37 Number of other farms.....farms..	198		13		25	3
38 Area irrigated in other farms.....acres..	4,045		71		185	20
Enterprises by origin of water supply: <sup>6</sup>						
39 No water from other enterprises.....enterprises reporting..	4,141	10	11	76	378	31
40 .....acres irrigated..	121,920	1,229	463	2,186	6,563	1,252
41 Part of water from other enterprises.....enterprises reporting..	106			10	23	13
42 .....acres irrigated..	6,691			398	342	905
43 All of water from other enterprises.....enterprises reporting..	575			8	115	92
44 .....acres irrigated..	15,996			278	1,629	3,706
Enterprises by primary and supplemental irrigation:						
45 All primary.....enterprises reporting..	4,556	10	11	66	490	132
46 .....acres irrigated..	134,899	1,229	463	2,442	8,134	5,713
47 Part primary, part supplemental.....enterprises reporting..	39			4	2	
48 Primary irrigation.....acres irrigated..	1,951			31	59	
49 Supplemental irrigation.....acres irrigated..	1,224			55	3	
50 All supplemental.....enterprises reporting..	183			17	24	3
51 .....acres irrigated..	6,533			334	338	150
Enterprises by number of acres irrigated: <sup>6</sup>						
52 None.....enterprises reporting..	44			7		1
53 1-9 acres.....enterprises reporting..	1,875		2	22	265	18
54 10-29 acres.....enterprises reporting..	1,534		5	30	174	40
55 30-59 acres.....enterprises reporting..	762	3	3	23	46	50
56 60-99 acres.....enterprises reporting..	320	3		7	25	16
57 100-199 acres.....enterprises reporting..	200	3		3	4	8
58 200-499 acres.....enterprises reporting..	76	1	1	2	2	3
59 500-999 acres.....enterprises reporting..	8					
60 1,000 acres or more.....enterprises reporting..	3					

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



IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific
<b>ALL ENTERPRISES</b>							
<b>Cost of water to farms, 1949:<sup>2</sup></b>							
<b>Total cost of water to farms:</b>							
1 Enterprises reporting.....enterprises..	200	63	115	29	17	519	80
2 Cost.....dollars..	527,925	18,026	17,772	3,818	667	304,871	8,533
3 Area irrigated direct.....acres..	114,961	15,069	2,135	1,634	136	32,451	502
4 Cost per acre irrigated direct.....dollars..	4.59	1.20	8.32	2.34	4.90	9.39	17.00
5 Total cost per irrigated acre.....dollars..	4.78	1.72	8.32	2.34	4.90	9.97	17.00
6 Total cost per acre-foot of water.....dollars..	1.28	0.24	(*)	(*)	(*)	1.75	(*)
<b>Enterprises by cost per acre:</b>							
7 Less than \$1.00.....enterprises reporting..	153	38	12	17	6	129	3
8 ..acres irrigated..	22,918	9,283	225	1,233	28	5,750	23
9 \$1.00-\$1.99.....enterprises reporting..	16	2	9	1	1	14	.....
10 ..acres irrigated..	2,827	4,401	219	16	40	1,057	.....
11 \$2.00-\$4.99.....enterprises reporting..	13	8	27	4	2	64	8
12 ..acres irrigated..	14,900	639	645	89	16	3,397	177
13 \$5.00-\$9.99.....enterprises reporting..	11	8	31	2	2	121	10
14 ..acres irrigated..	73,876	635	501	120	43	7,139	59
15 \$10.00 and over.....enterprises reporting..	7	7	36	5	6	191	59
16 ..acres irrigated..	440	111	545	176	9	15,108	243
<b>Cost of water for primary irrigation:</b>							
17 Enterprises reporting.....enterprises..	180	62	115	29	17	493	80
18 Cost.....dollars..	518,084	13,568	17,772	3,818	667	283,294	8,533
19 Area supplied primary irrigation.....acres..	110,392	10,495	2,135	1,634	136	30,577	502
20 Cost per acre supplied.....dollars..	4.69	1.29	8.32	2.34	4.90	9.26	17.00
<b>Cost of water for supplemental irrigation:</b>							
21 Enterprises reporting.....enterprises..	29	10	.....	.....	.....	39	.....
22 Cost.....dollars..	9,841	4,458	.....	.....	.....	21,577	.....
23 Area supplied supplemental irrigation.....acres..	4,569	4,574	.....	.....	.....	1,874	.....
24 Cost per acre supplied.....dollars..	2.15	0.97	.....	.....	.....	11.51	.....
<b>Cost to farms for purposes other than operation and maintenance:<sup>5</sup></b>							
25 Enterprises reporting.....enterprises..	1	2	.....	.....	.....	8	.....
26 Cost.....dollars..	25,934	2,686	.....	.....	.....	63,152	.....
27 Area irrigated direct.....acres..	12,400	4,475	.....	.....	.....	13,629	.....
28 Cost per acre irrigated.....dollars..	2.09	0.60	.....	.....	.....	4.63	.....
<b>Arrearage in payments by farms, Jan. 1, 1950:<sup>5</sup></b>							
29 Enterprises reporting.....enterprises..	4	4	.....	.....	.....	13	.....
30 Amount.....dollars..	66,940	1,020	.....	.....	.....	42,428	.....
31 Area irrigated direct.....acres..	83,102	8,597	.....	.....	.....	15,415	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>							
32 Single-farm enterprises.....enterprises..	158	48	114	29	17	478	80
33 Area irrigated.....acres..	14,162	1,478	2,110	1,634	136	12,134	502
34 Complete-system enterprises <sup>6</sup> .....enterprises..	146	46	114	29	17	442	80
35 Area irrigated.....acres..	13,301	1,400	2,110	1,634	136	11,308	502
<b>Other farms irrigated:</b>							
36 Enterprises reporting.....number..	12	1	.....	.....	.....	13	.....
37 Number of other farms.....farms..	18	1	.....	.....	.....	13	.....
38 Area irrigated in other farms.....acres..	963	1	.....	.....	.....	183	.....
<b>Enterprises by origin of water supply:<sup>6</sup></b>							
39 No water from other enterprises.....enterprises reporting..	149	47	114	29	17	456	80
40 ..acres irrigated..	13,384	1,400	2,110	1,634	136	11,324	502
41 Part of water from other enterprises.....enterprises reporting..	4	.....	.....	.....	.....	6	.....
42 ..acres irrigated..	572	.....	.....	.....	.....	489	.....
43 All of water from other enterprises.....enterprises reporting..	5	1	.....	.....	.....	16	.....
44 ..acres irrigated..	206	78	.....	.....	.....	321	.....
<b>Enterprises by primary and supplemental irrigation:</b>							
45 All primary.....enterprises reporting..	132	46	114	29	17	440	80
46 ..acres irrigated..	11,480	1,458	2,110	1,634	136	11,322	502
47 Part primary, part supplemental.....enterprises reporting..	5	.....	.....	.....	.....	2	.....
48 Primary irrigation.....acres irrigated..	905	.....	.....	.....	.....	17	.....
49 Supplemental irrigation.....acres irrigated..	316	.....	.....	.....	.....	65	.....
50 All supplemental.....enterprises reporting..	19	1	.....	.....	.....	24	.....
51 ..acres irrigated..	1,461	20	.....	.....	.....	730	.....
<b>Enterprises by number of acres irrigated:<sup>6</sup></b>							
52 None.....enterprises reporting..	2	1	.....	.....	.....	12	.....
53 1-9 acres.....enterprises reporting..	18	16	41	2	13	181	70
54 10-29 acres.....enterprises reporting..	33	16	49	9	2	158	8
55 30-59 acres.....enterprises reporting..	38	7	21	6	2	78	1
56 60-99 acres.....enterprises reporting..	22	5	2	8	.....	29	.....
57 100-199 acres.....enterprises reporting..	26	2	1	3	.....	14	1
58 200-499 acres.....enterprises reporting..	16	1	.....	1	.....	6	.....
59 500-999 acres.....enterprises reporting..	2	.....	.....	.....	.....	.....	.....
60 1,000 acres or more.....enterprises reporting..	1	.....	.....	.....	.....	.....	.....

<sup>1</sup>Includes data for 1 enterprise in Skamania County.

<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. (County Table 2, Part 4, line 66.)

<sup>4</sup>Average not given because 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>For intercounty and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the county or State.



IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)		The State	Benton	Chelan	Clallam	Columbia	Douglas	Grant
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>								
1	Multiple-farm enterprises, total number <sup>1</sup> .....enterprises..	441	10	77	10	5	18	3
2	Area irrigated direct.....acres..	513,583	36,064	20,873	6,262	421	3,533	169
3	Multiple-purpose enterprises <sup>1</sup> .....enterprises..	23	.....	3	1	1	2	2
4	Area irrigated direct.....acres..	71,421	.....	4,340	257	132	1,881	.....
5	Complete-system enterprises <sup>1</sup> .....enterprises..	306	4	44	.....	3	14	1
6	Area irrigated direct.....acres..	113,963	7,275	7,001	.....	342	1,533	.....
<b>Enterprises by origin of water supply:<sup>1</sup></b>								
7	No water from other enterprises.....enterprises reporting..	376	4	59	10	5	15	3
8	Area irrigated.....acres irrigated..	144,142	7,275	16,126	6,262	421	3,359	169
9	Part of water from other enterprises.....enterprises reporting..	13	.....	3	.....	.....	.....	.....
10	Area irrigated.....acres irrigated..	170,555	.....	2,566	.....	.....	.....	.....
11	All water from other enterprises.....enterprises reporting..	52	6	15	.....	.....	3	.....
12	Area irrigated.....acres irrigated..	198,866	28,789	2,164	.....	.....	174	.....
<b>Enterprises by delivery of irrigation water:<sup>1</sup></b>								
13	No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
14	Water delivered direct to farms only.....enterprises reporting..	322	4	49	.....	2	15	1
15	Area irrigated.....acres irrigated..	113,849	4,356	4,179	.....	242	1,630	.....
16	Water delivered to farms and to other enterprises.....enterprises reporting..	113	6	27	10	3	3	1
17	Area irrigated.....acres irrigated..	399,734	31,708	16,694	6,262	179	1,903	169
18	Water delivered to other enterprises only.....enterprises reporting..	6	.....	1	.....	.....	.....	1
<b>Enterprises by primary and supplemental irrigation:<sup>2</sup></b>								
19	All primary.....enterprises reporting..	326	8	76	4	3	12	1
20	Area irrigated.....acres irrigated..	296,484	18,053	10,298	2,028	179	912	169
21	Part primary, part supplemental.....enterprises reporting..	100	2	19	5	2	5	.....
22	Area irrigated.....acres irrigated..	184,591	17,011	9,391	2,935	129	1,641	.....
23	Supplemental irrigation.....acres irrigated..	29,177	1,000	1,159	899	113	980	.....
24	All supplemental.....enterprises reporting..	9	.....	1	.....	.....	.....	.....
25	Area irrigated.....acres irrigated..	3,127	.....	8	500	.....	.....	.....
<b>Enterprises by number of farms irrigated direct:<sup>1</sup></b>								
26	None.....enterprises reporting..	6	.....	1	.....	.....	.....	1
27	1-3.....enterprises reporting..	137	1	24	1	3	8	.....
28	4-9.....enterprises reporting..	144	1	28	.....	2	6	1
29	10-29.....enterprises reporting..	79	.....	12	5	.....	1	.....
30	30-99.....enterprises reporting..	47	2	9	4	.....	2	1
31	100-299.....enterprises reporting..	17	3	2	.....	.....	.....	.....
32	300-999.....enterprises reporting..	8	2	1	.....	.....	1	.....
33	1,000 or more.....enterprises reporting..	3	1	.....	.....	.....	.....	.....
<b>Enterprises by acres irrigated direct:<sup>1</sup></b>								
34	None.....enterprises reporting..	6	.....	1	.....	.....	.....	1
35	1-99 acres.....enterprises reporting..	182	.....	44	1	.....	14	.....
36	100-999 acres.....enterprises reporting..	197	.....	28	7	3	3	1
37	1,000-2,999 acres.....enterprises reporting..	30	3	3	2	.....	.....	1
38	3,000-9,999 acres.....enterprises reporting..	20	2	1	.....	.....	1	.....
39	10,000-29,999 acres.....enterprises reporting..	2	.....	.....	.....	.....	.....	.....
40	30,000 acres or more.....enterprises reporting..	4	2	.....	.....	.....	.....	.....
<b>Quantities of water reported, 1949:<sup>3</sup></b>								
41	Total obtained from all sources <sup>3</sup> .....enterprises reporting..	398	9	72	8	4	18	3
42	percent of all enterprises reporting..	8	9	12	5	10	7	2
43	Surface sources.....acre-feet..	5,277,580	737,655	225,432	68,666	2,073	83,434	73,000
44	Surface sources.....enterprises reporting..	333	3	56	8	4	12	3
45	Area irrigated.....acre-feet..	3,314,919	111,476	197,229	66,146	2,073	81,882	73,000
46	Pumped wells.....enterprises reporting..	17	.....	1	1	.....	4	.....
47	Area irrigated.....acre-feet..	24,864	.....	9	2,520	.....	598	.....
48	Other enterprises.....enterprises reporting..	64	6	18	.....	.....	3	.....
49	Area irrigated.....acre-feet..	1,937,797	626,179	28,194	.....	.....	954	.....
50	Conveyance loss <sup>3</sup> .....enterprises reporting..	354	9	68	8	1	18	2
51	Area irrigated.....acre-feet..	656,828	196,872	55,294	6,460	0	17,266	6,596
<b>Delivered:<sup>3</sup></b>								
52	Direct to farms.....enterprises reporting..	392	9	71	8	4	18	2
53	Area irrigated.....acre-feet..	2,479,273	505,907	115,161	34,800	1,729	42,438	9,753
54	To other enterprises.....enterprises reporting..	100	5	24	8	2	3	2
55	Area irrigated.....acre-feet..	2,012,537	25,256	46,584	24,700	294	16,817	40,982
56	For use other than irrigation.....enterprises reporting..	46	1	6	7	.....	1	1
57	Area irrigated.....acre-feet..	128,942	9,620	8,393	2,476	.....	6,913	15,669
<b>Delivered direct to farms for primary irrigation:<sup>2</sup></b>								
58	Enterprises reporting.....enterprises..	384	9	70	7	4	17	1
59	Quantity delivered.....acre-feet..	2,331,272	170,047	100,285	27,254	1,245	12,414	1,098
60	Area supplied primary irrigation.....acres..	473,094	34,892	19,517	4,180	238	2,553	169
61	Quantity supplied per acre.....acre-feet..	4.9	4.9	5.1	6.5	5.2	4.9	6.5
<b>Delivered direct to farms for supplemental irrigation:<sup>2</sup></b>								
62	Enterprises reporting.....enterprises..	99	1	20	5	2	5	.....
63	Quantity delivered.....acre-feet..	132,251	9,870	5,488	7,545	538	5,220	.....
64	Area supplied supplemental irrigation.....acres..	31,021	1,000	1,167	1,339	113	980	.....
65	Quantity supplied per acre.....acre-feet..	4.3	9.9	4.7	5.6	4.8	5.3	.....
66	Total quantity per irrigated acre <sup>4</sup> .....acre-feet..	5.2	5.3	5.3	7.3	5.5	5.6	6.5
<b>Cost of water to farms for enterprises reporting quantity delivered, 1949:<sup>2</sup></b>								
67	Cost for primary irrigation.....dollars..	2,971,585	334,149	328,240	11,666	431	31,653	0
68	Average cost per acre-foot.....dollars..	1.27	1.97	3.27	0.43	0.35	2.55	0.00
69	Cost for supplemental irrigation.....dollars..	163,180	8,749	10,563	2,063	302	11,654	.....
70	Average cost per acre-foot.....dollars..	1.23	0.89	1.93	0.27	0.56	2.23	.....
<b>Measurement of water to farms, 1949:<sup>2</sup></b>								
71	No water measured.....enterprises reporting..	10	.....	.....	.....	.....	.....	.....
72	Area irrigated.....acres irrigated..	1,344	.....	.....	.....	.....	.....	.....
73	Part of water measured.....enterprises reporting..	23	.....	7	2	.....	.....	.....
74	Area irrigated.....acres irrigated..	18,147	.....	897	757	.....	.....	.....
75	All water measured.....enterprises reporting..	150	7	44	3	1	5	.....
76	Area irrigated.....acres irrigated..	406,881	34,772	14,270	2,579	110	1,250	.....

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)	Kittitas	Klickitat	Okanogan	Spokane	Walla Walla	Yakima	All other counties
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>							
1 Multiple-farm enterprises, total number <sup>1</sup> .....enterprises..	46	16	53	15	77	109	13
2 Area irrigated direct.....acres..	100,799	13,591	20,300	9,765	15,211	280,646	5,949
3 Multiple-purpose enterprises <sup>1</sup> .....enterprises..	3	1	1	2	2	3	3
4 Area irrigated direct.....acres..	57,555	274	2,549	229	247	3,957	3,957
5 Complete-system enterprises <sup>1</sup> .....enterprises..	37	16	44	7	60	70	12
6 Area irrigated direct.....acres..	23,426	13,591	18,251	2,599	7,605	26,907	5,433
<b>Enterprises by origin of water supply:<sup>1</sup></b>							
7 No water from other enterprises.....enterprises reporting..	42	16	51	7	77	82	13
8 Area irrigated direct.....acres irrigated..	23,649	13,591	20,219	2,599	15,211	29,312	5,949
9 Part of water from other enterprises.....enterprises reporting..	2	1	1	1	1	1	1
10 Area irrigated direct.....acres irrigated..	8,000	2	2	2,000	7	157,989	7
11 All water from other enterprises.....enterprises reporting..	2	2	2	7	7	20	20
12 Area irrigated direct.....acres irrigated..	69,150	98	98	5,166	7	93,345	20
<b>Enterprises by delivery of irrigation water:<sup>1</sup></b>							
13 No water delivered.....enterprises reporting..	37	15	41	13	58	81	11
14 Water delivered direct to farms only.....enterprises reporting..	37	15	41	13	58	81	11
15 Area irrigated direct.....acres irrigated..	32,509	9,440	6,522	7,765	6,260	35,599	5,277
16 Water delivered to farms and to other enterprises.....enterprises reporting..	7	1	12	1	10	26	2
17 Area irrigated direct.....acres irrigated..	68,290	4,151	13,728	2,000	8,931	245,047	672
18 Water delivered to other enterprises only.....enterprises reporting..	2	1	1	1	1	2	2
<b>Enterprises by primary and supplemental irrigation:<sup>2</sup></b>							
19 All primary.....enterprises reporting..	39	7	40	10	68	70	12
20 Area irrigated direct.....acres irrigated..	75,342	2,841	8,217	4,057	12,711	155,930	5,949
21 Part primary, part supplemental.....enterprises reporting..	4	9	11	4	9	31	3
22 Primary irrigation.....acres irrigated..	22,665	6,196	11,021	3,014	1,816	107,874	3
23 Supplemental irrigation.....acres irrigated..	1,782	4,554	954	1,694	684	15,358	4
24 All supplemental.....enterprises reporting..	1	2	2	2	4	4	4
25 Area irrigated direct.....acres irrigated..	1,010	125	125	125	125	1,484	4
<b>Enterprises by number of farms irrigated direct:<sup>1</sup></b>							
26 None.....enterprises reporting..	2	1	1	1	1	2	2
27 1-3.....enterprises reporting..	10	3	23	23	23	29	4
28 4-9.....enterprises reporting..	14	8	14	2	40	37	2
29 10-29.....enterprises reporting..	7	3	9	4	10	27	2
30 30-99.....enterprises reporting..	2	2	5	4	4	13	4
31 100-299.....enterprises reporting..	2	1	1	4	4	5	1
32 300-999.....enterprises reporting..	1	1	1	1	1	3	1
33 1,000 or more.....enterprises reporting..	1	1	1	1	1	3	1
<b>Enterprises by acres irrigated direct:<sup>1</sup></b>							
34 None.....enterprises reporting..	2	1	1	1	1	2	2
35 1-99 acres.....enterprises reporting..	9	2	24	2	44	34	6
36 100-999 acres.....enterprises reporting..	25	11	24	8	31	53	3
37 1,000-2,999 acres.....enterprises reporting..	5	1	3	3	3	10	4
38 3,000-9,999 acres.....enterprises reporting..	3	2	2	1	2	6	6
39 10,000-29,999 acres.....enterprises reporting..	1	1	1	1	1	1	1
40 30,000 acres or more.....enterprises reporting..	1	1	1	1	1	3	3
<b>Quantities of water reported, 1949:<sup>3</sup></b>							
41 Total obtained from all sources.....enterprises reporting..	45	10	37	14	77	104	8
42 percent of all enterprises reporting..	22	16	17	11	17	14	1
43 acre-feet.....acre-feet..	1,863,390	87,419	168,322	109,167	121,969	3,784,156	83,095
44 Surface sources.....enterprises reporting..	43	10	36	7	75	83	7
45 acre-feet.....acre-feet..	510,795	87,419	167,438	996	121,412	3,350,214	23,060
46 Pumped wells.....enterprises reporting..	4	2	2	5	3	2	1
47 acre-feet.....acre-feet..	20,764	2	2	20,764	557	201	35
48 Other enterprises.....enterprises reporting..	4	2	2	8	2	26	2
49 acre-feet.....acre-feet..	1,352,595	884	884	87,407	433,561	433,561	7
50 Conveyance loss <sup>3</sup> .....enterprises reporting..	41	10	37	14	60	60	7
51 acre-feet.....acre-feet..	95,161	20,678	58,591	23,809	16,310	339,555	11,141
<b>Delivered:<sup>3</sup></b>							
52 Direct to farms.....enterprises reporting..	43	10	37	13	77	102	8
53 acre-feet.....acre-feet..	367,223	60,944	100,840	37,848	91,149	1,557,023	36,761
54 To other enterprises.....enterprises reporting..	9	1	8	1	19	24	1
55 acre-feet.....acre-feet..	1,401,006	240	4,705	34,700	14,290	1,821,061	5
56 For use other than irrigation.....enterprises reporting..	4	4	8	9	3	5	5
57 acre-feet.....acre-feet..	5,557	4,185	4,185	12,810	220	66,517	35,193
<b>Delivered direct to farms for primary irrigation:<sup>2</sup></b>							
58 Enterprises reporting.....enterprises..	42	10	35	13	77	97	7
59 Quantity delivered.....acre-feet..	360,059	41,762	94,759	31,463	71,985	1,395,448	23,453
60 Area supplied primary irrigation.....acres..	96,451	8,015	17,504	8,091	14,549	261,731	5,204
61 Quantity supplied per acre.....acre-feet..	3.7	5.2	5.4	3.0	4.9	5.3	4.5
<b>Delivered direct to farms for supplemental irrigation:<sup>2</sup></b>							
62 Enterprises reporting.....enterprises..	5	7	12	3	9	31	3
63 Quantity delivered.....acre-feet..	7,164	19,182	5,324	6,385	3,188	62,348	3
64 Area supplied supplemental irrigation.....acres..	2,792	4,237	1,025	1,684	684	16,000	3
65 Quantity supplied per acre.....acre-feet..	2.6	4.5	5.2	3.8	4.7	3.9	3.9
66 Total quantity per irrigated acre <sup>4</sup> .....acre-feet..	3.8	7.2	5.7	4.5	5.1	5.6	4.5
<b>Cost of water to farms for enterprises reporting quantity delivered, 1949:<sup>2</sup></b>							
67 Cost for primary irrigation.....dollars..	502,480	4,544	200,870	102,641	31,605	1,376,122	47,184
68 Average cost per acre-foot.....dollars..	1.40	0.11	2.12	3.26	0.44	0.99	2.01
69 Cost for supplemental irrigation.....dollars..	9,143	3,850	12,007	22,431	849	81,849	3
70 Average cost per acre-foot.....dollars..	1.28	0.20	2.26	3.51	0.27	1.31	3
<b>Measurement of water to farms, 1949:<sup>2</sup></b>							
71 No water measured.....enterprises reporting..	1	2	2	3	7	4	4
72 Area irrigated.....acres irrigated..	64	79	79	648	552	552	4
73 Part of water measured.....enterprises reporting..	2	2	2	1	4	4	3
74 Area irrigated.....acres irrigated..	12,400	2	2	528	376	255	2,778
75 All water measured.....enterprises reporting..	2	4	24	1	31	28	3
76 Area irrigated.....acres irrigated..	60,750	2,792	16,419	46	8,531	262,624	2,738

<sup>1</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>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.

IRRIGATION OF AGRICULTURAL LANDS

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

[Symbols in parentheses refer to drainage basin symbols on map, Washington; Location of Irrigated

Item (For definitions and explanations, see text)	The State	Adams	Asotin	Benton	Chelan	Clallam
1 Irrigated land, 1949.....acres..	618,129	1,229	2,165	37,537	27,882	10,576
Area irrigated direct, by drainage basin origin of water, 1949: <sup>2</sup>						
2 All basins (North Pacific Coast).....acres..	659,140	1,229	2,165	38,926	30,340	12,125
3 Excluding Columbia River (I-A).....acres..	32,906					12,125
4 Pacific Coast direct (1).....acres..	4,646					350
5 Puget Sound (2).....acres..	16,485					
6 Dungeness River (3).....acres..	11,775					11,775
7 Columbia River, total.....acres..	626,234	1,229	2,165	38,926	30,340	
8 Columbia River below Snake River (I-B).....acres..	44,797			508		
9 Columbia River direct (1a and 1b).....acres..	9,626			508		
10 Klickitat River (4).....acres..	5,210					
11 Walla Walla River (8).....acres..	29,961					
12 Columbia River above Snake River, excluding Yakima River (I-C).....acres..	116,804	559		4,750	30,340	
13 Columbia River direct (1a, 1b, and 1c).....acres..	38,526			4,750	8,928	
14 Grand Coulee area (2).....acres..	17,187	559				
15 Wenatchee River (3).....acres..	15,722				15,722	
16 Lake Chelan (4).....acres..	5,690				5,690	
17 Methow River (5).....acres..	8,909					
18 Okanogan River (6).....acres..	18,006					
19 Spokane River (7).....acres..	12,152					
20 Clark Fork (8a).....acres..	612					
21 Yakima River (I-D).....acres..	457,438			33,668		
22 Snake River below Weiser, Idaho (I-E).....acres..	7,195	670	2,165			
23 Snake River direct (1).....acres..	7,068	670	2,038			
24 Grande Ronde River (2a).....acres..	127		127			

Item (For definitions and explanations, see text)	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific
1 Irrigated land, 1949.....acres..	110,392	10,495	2,135	1,634	136	30,577	502
Area irrigated direct, by drainage basin origin of water, 1949: <sup>2</sup>							
2 All basins (North Pacific Coast).....acres..	114,961	15,069	2,135	1,634	136	32,451	502
3 Excluding Columbia River (I-A).....acres..			1,759		136		502
4 Pacific Coast direct (1).....acres..			1,759				502
5 Puget Sound (2).....acres..					136		
6 Dungeness River (3).....acres..							
7 Columbia River, total.....acres..	114,961	15,069	376	1,634		32,451	
8 Columbia River below Snake River (I-B).....acres..		10,918	376				
9 Columbia River direct (1a and 1b).....acres..		5,708	376				
10 Klickitat River (4).....acres..		5,210					
11 Walla Walla River (8).....acres..							
12 Columbia River above Snake River, excluding Yakima River (I-C).....acres..	10			1,634		32,451	
13 Columbia River direct (1a, 1b, and 1c).....acres..	10			70		5,536	
14 Grand Coulee area (2).....acres..				1,536			
15 Wenatchee River (3).....acres..							
16 Lake Chelan (4).....acres..							
17 Methow River (5).....acres..						8,909	
18 Okanogan River (6).....acres..						18,006	
19 Spokane River (7).....acres..				28			
20 Clark Fork (8a).....acres..							
21 Yakima River (I-D).....acres..	114,951	4,151					
22 Snake River below Weiser, Idaho (I-E).....acres..							
23 Snake River direct (1).....acres..							
24 Grande Ronde River (2a).....acres..							

<sup>1</sup> Includes data for 1 enterprise in Skamania County.

<sup>2</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 a drainage basin may exceed the acreage irrigated direct shown in County Table 2 or Drainage Basin Table 1.





IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State (North Pacific Coast)	Excluding Columbia River (I-A)			
		Total	Pacific Coast direct (1)	Puget Sound (2)	Dugeness River (3)
<b>ALL ENTERPRISES</b>					
<b>Farms and land irrigated:</b>					
1 All irrigation enterprises.....enterprises 1950..	5,263	1,343	325	882	137
2 ..acres irrigated.....acres 1949..	4,120	774	201	563	10
3 Interbasin.....enterprises 1950..	15	1	1		1
4 Farms irrigated direct per enterprise <sup>1</sup> .....farms 1950..	4.2	1.3	1.0	1.1	2.9
5 Irrigated land <sup>2</sup> .....acres 1949..	618,129	31,306	4,551	16,429	10,326
6 ..acres 1939..	615,013	22,486	1,710	9,907	10,869
7 Average per enterprise.....acres 1949..	117	23	14	19	75
8 Average acreage irrigated direct per enterprise <sup>1</sup> .....acres 1949..	125	24	14	19	86
<b>Type of enterprise, 1950:</b>					
9 Single-farm.....enterprises..	4,822	1,327	323	877	127
10 ..acres irrigated..	144,607	25,850	4,452	15,711	5,687
<b>Mutual:</b>					
11 Unincorporated.....enterprises..	273	3	1	2	
12 ..acres irrigated..	39,697	113	(3)	(3)	
13 Incorporated.....enterprises..	82	6			6
14 ..acres irrigated..	57,793	3,406			3,406
15 Commercial.....enterprises..	3				
16 ..acres irrigated..	1,780				
17 District.....enterprises..	74	5	1	1	4
18 ..acres irrigated..	260,243	3,372	(3)	(3)	2,682
19 U. S. Bureau of Reclamation <sup>4</sup> .....enterprises..	3				
20 ..acres irrigated..	37,740				
21 U. S. Bureau of Indian Affairs <sup>4</sup> .....enterprises..	2				
22 ..acres irrigated..	115,353				
23 State.....enterprises..					
24 ..acres irrigated..					
25 City.....enterprises..	4	2		2	
26 ..acres irrigated..	977	(3)		(3)	
<b>Use of surface, ground, pumped and stored water, 1949:</b>					
<b>Surface water:</b>					
27 Gravity only.....enterprises reporting..	1,326	84	7	65	13
28 ..acres irrigated..	390,075	6,806	335	864	5,607
29 Pumped only.....enterprises reporting..	2,045	735	176	453	106
30 ..acres irrigated..	73,603	17,041	2,749	9,961	4,331
31 Gravity and pumped.....enterprises reporting..	179	26	1	12	13
32 ..acres irrigated..	144,097	1,142	3	146	993
33 Ground water only (pumped from wells).....enterprises reporting..	1,362	406	91	314	1
34 ..acres irrigated..	33,524	6,097	1,274	4,792	31
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	351	92	50	38	4
36 ..acres irrigated..	16,891	1,820	290	717	813
<b>Stored water:</b>					
37 None stored.....enterprises reporting..	4,981	1,241	252	855	135
38 ..acres irrigated..	287,971	32,070	4,357	16,005	11,708
39 Part stored.....enterprises reporting..	139	21	7	14	
40 ..acres irrigated..	354,922	161	25	136	
41 All stored.....enterprises reporting..	143	81	66	13	2
42 ..acres irrigated..	15,297	675	269	339	67
<b>Sources of surface water, 1949:<sup>5</sup></b>					
43 Streams (and lakes).....enterprises reporting..	3,404	740	141	472	128
44 ..acres irrigated..	613,786	25,140	3,011	10,637	11,492
45 Springs.....enterprises reporting..	379	79	5	70	4
46 ..acres irrigated..	12,466	1,026	39	905	82
47 Flowing wells.....enterprises reporting..	54	13	2	11	
48 ..acres irrigated..	3,833	119	14	105	
49 Drainage water.....enterprises reporting..	242	142	87	37	18
50 ..acres irrigated..	128,174	3,098	474	728	1,896
51 Sewage.....enterprises reporting..	10	4	3	1	
52 ..acres irrigated..	730	13	3	10	
53 Other sources.....enterprises reporting..					
54 ..acres irrigated..					
<b>Drainage of irrigated land:<sup>6</sup></b>					
<b>Irrigated land drained:</b>					
55 Enterprises reporting.....enterprises 1949..	393	211	30	162	19
56 Area supplied primary irrigation.....acres 1949..	355,946	7,378	514	4,649	2,215
57 Area artificially drained.....acres 1949..	158,705	4,389	425	3,190	774
58 ..acres 1939..	178,044	908	588	320	
<b>Irrigated land in need of drainage:</b>					
59 Enterprises reporting.....enterprises 1949..	314	131	18	103	10
60 Area supplied primary irrigation.....acres 1949..	332,036	4,840	492	3,316	1,032
61 Area in need of drainage.....acres 1949..	77,174	1,979	244	1,559	176
62 ..acres 1939..	18,673	273	2	271	

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

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

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

Item (For definitions and explanations, see text)	Columbia River, total	Columbia River below Snake River—(I-B)					
		Total	Columbia River direct			Klickitat River (1)	Walla Walla River (2)
			Total	Below the Dalles, Oregon (1a)	Above the Dalles (1b)		
<b>ALL ENTERPRISES</b>							
<b>Farms and land irrigated:</b>							
1 All irrigation enterprises.....enterprises 1950..	3,920	673	211	166	45	30	432
2 1940..	3,346	(*)	(*)	(*)	(*)	17	(*)
3 Interbasin.....enterprises 1950..	14	3				1	2
4 Farms irrigated direct per enterprise <sup>1</sup> .....farms 1950..	5.2	2.1	1.4	1.6	1.0	4.8	2.3
5 Irrigated land <sup>2</sup> .....acres 1949..	586,823	43,164	8,506	7,305	1,281	5,827	28,751
6 1939..	592,527	38,556	10,118	7,090	2,220	7,251	21,187
7 Average per enterprise.....acres 1949..	150	64	41	44	28	194	67
8 Average acreage irrigated direct per enterprise <sup>1</sup> .....acres 1949..	160	73	46	50	28	312	69
<b>Type of enterprise, 1950:</b>							
9 Single-farm.....enterprises..	3,495	576	200	155	45	25	351
10 acres irrigated..	118,757	19,893	4,463	3,182	1,281	933	14,497
<b>Mutual:</b>							
11 Unincorporated.....enterprises..	270	75	5	5		4	66
12 acres irrigated..	39,584	14,395	2,529	2,529		4,277	7,589
13 Incorporated.....enterprises..	76	11	4	4		1	6
14 acres irrigated..	54,387	7,342	2,010	2,010		(3)	1,181
<b>Commercial.....enterprises..</b>							
15 3							
16 acres irrigated..	1,780						
<b>District.....enterprises..</b>							
17 69		11	2	2			9
18 acres irrigated..	256,871	7,318	(3)	(3)			6,694
<b>U. S. Bureau of Reclamation<sup>4</sup>.....enterprises..</b>							
19 3							
20 acres irrigated..	37,740						
<b>U. S. Bureau of Indian Affairs<sup>4</sup>.....enterprises..</b>							
21 2							
22 acres irrigated..	115,353						
<b>State.....enterprises..</b>							
23							
24 acres irrigated..							
<b>City.....enterprises..</b>							
25 2							
26 acres irrigated..	(3)						
<b>Use of surface, ground, pumped and stored water, 1949:</b>							
<b>Surface water:</b>							
<b>Gravity only.....enterprises reporting..</b>							
27 1,242	169	28	26	2	21	120	
28 acres irrigated..	383,269	30,403	5,059	5,047	12	8,777	16,647
<b>Pumped only.....enterprises reporting..</b>							
29 1,310	214	89	72	17	7	118	
30 acres irrigated..	56,562	7,527	2,969	2,387	582	314	4,244
<b>Gravity and pumped.....enterprises reporting..</b>							
31 153	22	3	3		2	17	
32 acres irrigated..	142,955	1,382	34	34		276	1,078
<b>Ground water only (pumped from wells).....enterprises reporting..</b>							
33 956	205	78	57	21		127	
34 acres irrigated..	27,427	4,841	1,239	707	411		3,603
<b>Surface (gravity or pumped) and ground water.....enterprises reporting..</b>							
35 259	63	13	8			50	
36 acres irrigated..	15,071	4,715	326	30	246		4,389
<b>Stored water:</b>							
<b>None stored.....enterprises reporting..</b>							
37 3,710	664	205	160	45	29	430	
38 acres irrigated..	255,901	48,793	9,558	8,277	1,281	9,339	29,896
<b>Part stored.....enterprises reporting..</b>							
39 118	6	3	3		1	2	
40 acres irrigated..	354,761	112	25	25		22	65
<b>All stored.....enterprises reporting..</b>							
41 62	3	3	3				
42 acres irrigated..	14,622	43	43	43			
<b>Sources of surface water, 1949:<sup>5</sup></b>							
<b>Streams (and lakes).....enterprises reporting..</b>							
43 2,664	406	103	80	23	25	278	
44 acres irrigated..	588,646	40,610	2,224	6,587	790	9,319	23,914
<b>Springs.....enterprises reporting..</b>							
45 300	50	16	15	1	5	29	
46 acres irrigated..	11,440	2,191	176	126	50	42	1,973
<b>Flowing wells.....enterprises reporting..</b>							
47 40	12	1	1			11	
48 acres irrigated..	3,714	1,469	15	15			1,454
<b>Drainage water.....enterprises reporting..</b>							
49 100	18	14	13	1		4	
50 acres irrigated..	125,076	1,237	835	832	3		402
<b>Sewage.....enterprises reporting..</b>							
51 6	4	3	2	1		1	
52 acres irrigated..	717	707	8	5	3		699
<b>Other sources.....enterprises reporting..</b>							
53							
54 acres irrigated..							
<b>Drainage of irrigated land:<sup>6</sup></b>							
<b>Irrigated land drained:</b>							
<b>Enterprises reporting.....enterprises 1949..</b>							
55 182	45	25	25		2	18	
56 Area supplied primary irrigation.....acres 1949..	348,568	12,155	1,307	1,307		4,379	6,469
57 Area artificially drained.....acres 1949..	154,316	5,382	1,164	1,164		2,700	1,518
58 acres 1939..	177,136	(*)	(*)	(*)	(*)		(*)
<b>Irrigated land in need of drainage:</b>							
<b>Enterprises reporting.....enterprises 1949..</b>							
59 183	32	19	19		1	12	
60 Area supplied primary irrigation.....acres 1949..	327,196	6,447	1,203	1,203		2,544	2,700
61 Area in need of drainage.....acres 1949..	75,195	1,829	257	257		1,060	572
62 acres 1939..	18,395	(*)	(*)	(*)	(*)		(*)

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River excluding Yakima River (I-C)					
	Total	Columbia River direct			Grand Coulee area (2)	
		Total	Below Trinidad, Washington (1a)	Trinidad to Grand Coulee Dam (1b)		Above Grand Coulee Dam (1c)
ALL ENTERPRISES						
Farms and land irrigated:						
1 All irrigation enterprises.....enterprises 1950..	2,133	1,050	117	682	254	195
2 1940..	(*)	(*)	(*)	(*)	(*)	(*)
3 Interbasin.....enterprises 1950..	6	3	3	3	1	1
4 Farms irrigated direct per enterprise <sup>1</sup> .....farms 1950..	3.3	2.5	6.9	2.3	1.1	1.1
5 Irrigated land <sup>2</sup> .....acres 1949..	113,842	43,368	13,998	23,254	6,116	14,890
6 1939..	129,718	44,834	21,324	14,773	8,737	6,750
7 Average per enterprise.....acres 1949..	53	41	120	34	24	76
8 Average acreage irrigated direct per enterprise <sup>1</sup> .....acres 1949..	57	45	131	37	24	76
Type of enterprise, 1950:						
9 Single-farm.....enterprises..	1,962	968	110	605	253	192
10 acres irrigated..	54,334	22,769	2,971	13,728	6,070	14,756
Mutual:						
11 Unincorporated.....enterprises..	98	53	1	52		1
12 acres irrigated..	6,851	2,677	( <sup>3</sup> )	2,508		( <sup>3</sup> )
13 Incorporated.....enterprises..	29	11		12		
14 acres irrigated..	8,456	2,470		2,470		
15 Commercial.....enterprises..	2	1		1		
16 acres irrigated..	( <sup>3</sup> )	( <sup>3</sup> )		( <sup>3</sup> )		
17 District.....enterprises..	40	15	5	11		1
18 acres irrigated..	48,655	15,900	9,958	5,942		( <sup>3</sup> )
19 U. S. Bureau of Reclamation <sup>4</sup> .....enterprises..	1	1	1			1
20 acres irrigated..	2,262	2,262	2,262			
21 U. S. Bureau of Indian Affairs <sup>4</sup> .....enterprises..	1	1		1	1	
22 acres irrigated..	875	875		750	125	
23 State.....enterprises..						
24 acres irrigated..						
25 City.....enterprises..						
26 acres irrigated..						
Use of surface, ground, pumped and stored water, 1949:						
Surface water:						
27 Gravity only.....enterprises reporting..	615	331	4	152	177	22
28 acres irrigated..	51,299	19,655	6,383	9,562	3,710	2,928
29 Pumped only.....enterprises reporting..	690	337	15	269	53	32
30 acres irrigated..	26,706	16,009	6,893	7,655	1,461	3,013
31 Gravity and pumped.....enterprises reporting..	74	38		27	12	
32 acres irrigated..	20,039	2,924		2,157	767	
33 Ground water only (pumped from wells).....enterprises reporting..	618	275	68	202	5	120
34 acres irrigated..	18,064	5,795	1,224	4,461	110	7,237
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	136	69	30	32	7	21
36 acres irrigated..	5,410	2,655	860	1,648	147	1,747
Stored water:						
37 None stored.....enterprises reporting..	2,051	1,016	117	664	236	192
38 acres irrigated..	98,898	43,004	15,360	22,264	5,380	14,841
39 Part stored.....enterprises reporting..	46	20		10	11	1
40 acres irrigated..	19,711	2,793		2,363	430	74
41 All stored.....enterprises reporting..	36	14		8	7	2
42 acres irrigated..	2,909	1,241		856	385	10
Sources of surface water, 1949: <sup>5</sup>						
43 Streams (and lakes).....enterprises reporting..	1,376	101	48	430	226	69
44 acres irrigated..	100,961	39,944	14,114	20,214	5,616	7,333
45 Springs.....enterprises reporting..	156	91		58	33	6
46 acres irrigated..	3,286	1,941		1,085	856	456
47 Flowing wells.....enterprises reporting..	16	8		3	5	2
48 acres irrigated..	377	169		9	160	24
49 Drainage water.....enterprises reporting..	12	3	1	2		2
50 acres irrigated..	1,124	370	22	348		625
51 Sewage.....enterprises reporting..						
52 acres irrigated..						
53 Other sources.....enterprises reporting..						
54 acres irrigated..						
Drainage of irrigated land: <sup>6</sup>						
Irrigated land drained:						
55 Enterprises reporting.....enterprises 1949..	44	22	1	11	10	4
56 Area supplied primary irrigation.....acres 1949..	12,574	6,325	4,664	1,142	719	625
57 Area artificially drained.....acres 1949..	2,122	1,171	700	137	334	545
58 1939..	(*)	(*)	(*)	(*)	(*)	(*)
Irrigated land in need of drainage:						
59 Enterprises reporting.....enterprises 1949..	51	19	1	14	4	4
60 Area supplied primary irrigation.....acres 1949..	18,793	6,366	4,664	1,533	169	799
61 Area in need of drainage.....acres 1949..	2,856	1,968	1,500	443	25	246
62 1939..	(*)	(*)	(*)	(*)	(*)	(*)

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

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River excluding Yakima River (I-C)--Continued					
	Wenatchee River	Lake Chelan	Methow River	Okanogan River	Spokane River	Clark Fork
	(3)	(4)	(5)	(6)	(7)	(8a)
<b>ALL ENTERPRISES</b>						
<b>Farms and land irrigated:</b>						
1 All irrigation enterprises.....enterprises 1950..	277	83	97	275	136	21
2 .....	255	95	145	254	100	56
3 Interbasin.....enterprises 1950..	1			1		
4 Farms irrigated direct per enterprise <sup>1</sup> .....farms 1950..	4.3	3.8	3.4	4.4	7.7	1.1
5 Irrigated land <sup>2</sup> .....acres 1949..	14,250	5,421	8,588	16,214	10,499	612
6 .....	22,091	5,837	12,875	18,765	16,924	1,642
7 Average per enterprise.....acres 1949..	51	65	88	59	77	29
8 Average acreage irrigated direct per enterprise <sup>1</sup> .....acres 1949..	53	66	92	64	89	29
<b>Type of enterprise, 1950:</b>						
9 Single-farm.....enterprises..	249	80	67	265	121	20
10 .....	3,609	1,748	2,244	6,239	2,387	582
<b>Mutual:</b>						
11 Unincorporated.....enterprises..	15		23	4	1	1
12 .....	851		2,996	78	( <sup>3</sup> )	( <sup>3</sup> )
13 Incorporated.....enterprises..	7		5	3	3	
14 .....	2,290		1,971	820	905	
15 Commercial.....enterprises..					1	
16 .....					( <sup>3</sup> )	
17 District.....enterprises..	6	3	2	3	10	
18 .....	8,027	3,733	( <sup>3</sup> )	10,487	8,810	
19 U. S. Bureau of Reclamation <sup>4</sup> .....enterprises..						
20 .....						
21 U. S. Bureau of Indian Affairs <sup>4</sup> .....enterprises..						
22 .....						
23 State.....enterprises..						
24 .....						
25 City.....enterprises..						
26 .....						
<b>Use of surface, ground, pumped and stored water, 1949:</b>						
<b>Surface water:</b>						
27 Gravity only.....enterprises reporting..	68	14	84	50	29	17
28 .....	11,334	245	8,614	3,442	4,570	511
29 Pumped only.....enterprises reporting..	113	66	7	87	45	4
30 .....	1,744	1,845	209	2,741	1,044	101
31 Gravity and pumped.....enterprises reporting..	24	3		7	2	
32 .....	975	3,391		9,742	3,007	
33 Ground water only (pumped from wells).....enterprises reporting..	55		6	110	52	
34 .....	492		86	1,081	3,373	
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	17			21	8	
36 .....	232			618	158	
<b>Stored water:</b>						
37 None stored.....enterprises reporting..	261	81	91	261	130	20
38 .....	8,728	2,190	7,656	11,817	10,065	597
39 Part stored.....enterprises reporting..	12	1	4	6	2	
40 .....	5,948	3,271	1,126	4,483	2,016	
41 All stored.....enterprises reporting..	4	1	2	8	4	1
42 .....	101	20	127	1,324	71	15
<b>Sources of surface water, 1949:<sup>5</sup></b>						
43 Streams (and lakes).....enterprises reporting..	203	76	87	155	66	20
44 .....	14,152	5,320	8,756	16,478	8,369	609
45 Springs.....enterprises reporting..	23	7	5	9	14	1
46 .....	218	155	114	78	321	3
47 Flowing wells.....enterprises reporting..	1			1	4	
48 .....	13			82	89	
49 Drainage water.....enterprises reporting..	1	1	1	3	1	
50 .....	7	20	52	37	13	
51 Sewage.....enterprises reporting..						
52 .....						
53 Other sources.....enterprises reporting..						
54 .....						
<b>Drainage of irrigated land:<sup>6</sup></b>						
<b>Irrigated land drained:</b>						
55 Enterprises reporting.....enterprises 1949..	7	2	1	2	5	1
56 Area supplied primary irrigation.....acres 1949..	261	3,306	420	1,327	107	3
57 Area artificially drained.....acres 1949..	100	110	20	100	73	3
58 .....	(*)			22	(*)	(*)
<b>Irrigated land in need of drainage:</b>						
59 Enterprises reporting.....enterprises 1949..	7	3	8	4	6	
60 Area supplied primary irrigation.....acres 1949..	140	3,334	2,405	5,646	103	
61 Area in need of drainage.....acres 1949..	28	156	103	310	45	
62 .....				217	(*)	(*)

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Yakima River (I-D)				Snake River Lelow Weiser, Idaho (I-E)		
	Total	Below Union Gap	Union Gap to Umtanum	Above Umtanum	Total	SNAKE River direct	Grande Ronde River
		(1)	(2)	(3)		(1)	(2a)
<b>ALL ENTERPRISES</b>							
<b>Farms and land irrigated:</b>							
1 All irrigation enterprises.....enterprises 1950..	983	262	523	203	135	130	5
2 1940..	(*)	(*)	(*)	(*)	155	146	9
3 Interbasin.....enterprises 1950..	8	7	5	1	1	1	.....
4 Farms irrigated direct per enterprise <sup>1</sup> .....farms 1950..	11.5	22.8	7.6	6.7	3.6	3.7	1.0
5 Irrigated land <sup>2</sup> .....acres 1949..	422,622	226,437	85,652	110,533	7,195	7,068	127
6 1939..	426,805	215,305	90,541	110,879	7,448	7,327	121
7 Average per enterprise.....acres 1949..	430	864	164	544	53	54	25
8 Average acreage irrigated direct per enterprise <sup>1</sup> .....acres 1949..	455	900	185	566	53	54	25
<b>Type of enterprise, 1950:</b>							
9 Single-farm.....enterprises..	826	239	430	157	133	128	5
10 acres irrigated..	39,037	9,240	15,645	14,152	5,493	5,366	127
<b>Mutual:</b>							
11 Unincorporated.....enterprises..	97	6	54	37	.....	.....	.....
12 acres irrigated..	18,338	1,357	7,180	9,801	.....	.....	.....
13 Incorporated.....enterprises..	37	3	29	5	.....	.....	.....
14 acres irrigated..	38,589	675	16,871	21,043	.....	.....	.....
<b>Commercial.....enterprises..</b>							
15 acres irrigated..	.....	.....	.....	.....	(3) 1	(3) 1	.....
16 District.....enterprises..	19	12	7	2	.....	.....	.....
17 acres irrigated..	200,898	81,670	50,078	(3)	.....	.....	.....
18 U. S. Bureau of Reclamation <sup>4</sup> .....enterprises..	2	1	2	1	.....	.....	.....
19 acres irrigated..	35,478	32,895	2,583	.....	.....	.....	.....
20 U. S. Bureau of Indian Affairs <sup>4</sup> .....enterprises..	1	1	1	.....	.....	.....	.....
21 acres irrigated..	114,478	110,000	4,478	.....	.....	.....	.....
22 State.....enterprises..	.....	.....	.....	.....	.....	.....	.....
23 acres irrigated..	.....	.....	.....	.....	.....	.....	.....
24 City.....enterprises..	.....	.....	.....	.....	.....	.....	.....
25 acres irrigated..	(3) 1	.....	.....	(3) 1	(3) 1	(3) 1	.....
26 Use of surface, ground, pumped and stored water, 1949:	.....	.....	.....	.....	.....	.....	.....
<b>Surface water:</b>							
27 Gravity only.....enterprises reporting..	438	65	188	189	22	17	5
28 acres irrigated..	301,161	106,753	80,929	113,479	326	199	127
29 Pumped only.....enterprises reporting..	329	154	166	9	78	78	.....
30 acres irrigated..	19,982	15,884	3,302	796	2,347	2,347	.....
31 Gravity and pumped.....enterprises reporting..	46	16	30	1	12	12	.....
32 acres irrigated..	118,145	112,633	5,402	110	3,389	3,389	.....
33 Ground water only (pumped from wells).....enterprises reporting..	117	21	93	3	16	16	.....
34 acres irrigated..	4,248	401	3,425	422	274	274	.....
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	53	6	46	1	7	7	.....
36 acres irrigated..	4,087	166	3,777	144	859	859	.....
<b>Stored water:</b>							
37 None stored.....enterprises reporting..	896	236	463	197	133	129	4
38 acres irrigated..	102,712	14,209	50,952	37,551	5,498	5,373	125
39 Part stored.....enterprises reporting..	64	18	46	5	.....	.....	.....
40 acres irrigated..	333,241	212,363	43,728	77,150	1,697	1,695	2
41 All stored.....enterprises reporting..	23	8	14	1	.....	.....	.....
42 acres irrigated..	11,670	9,265	2,155	250	.....	.....	.....
<b>Sources of surface water, 1949:<sup>5</sup></b>							
43 Streams (and lakes).....enterprises reporting..	777	222	370	196	109	104	5
44 acres irrigated..	440,257	235,066	91,331	113,920	6,818	6,691	127
45 Springs.....enterprises reporting..	74	42	42	18	20	20	.....
46 acres irrigated..	5,477	577	1,551	3,349	486	486	.....
47 Flowing wells.....enterprises reporting..	12	1	10	1	1	1	.....
48 acres irrigated..	1,688	40	1,488	160	180	180	.....
49 Drainage water.....enterprises reporting..	68	9	36	24	2	2	.....
50 acres irrigated..	122,683	110,335	6,711	5,637	32	32	.....
51 Sewage.....enterprises reporting..	2	2	.....	.....	.....	.....	.....
52 acres irrigated..	10	10	.....	.....	.....	.....	.....
53 Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
54 acres irrigated..	.....	.....	.....	.....	.....	.....	.....
<b>Drainage of irrigated land:<sup>6</sup></b>							
<b>Irrigated land drained:</b>							
55 Enterprises reporting.....enterprises 1949..	89	13	47	31	5	5	.....
56 Area supplied primary irrigation.....acres 1949..	322,778	192,894	50,311	79,573	1,061	1,061	.....
57 Area artificially drained.....acres 1949..	146,539	121,056	10,124	15,359	273	273	.....
58 acres 1939..	(*)	(*)	(*)	(*)	(*)	(*)	.....
<b>Irrigated land in need of drainage:</b>							
59 Enterprises reporting.....enterprises 1949..	98	16	42	42	3	3	.....
60 Area supplied primary irrigation.....acres 1949..	300,923	163,738	58,121	79,064	1,033	1,033	.....
61 Area in need of drainage.....acres 1949..	70,308	39,828	10,557	19,923	202	202	.....
62 acres 1939..	(*)	(*)	(*)	(*)	.....	.....	.....

\*Not available.  
<sup>1</sup>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, data represent characteristics within the drainage basin or State.

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

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

Item (For definitions and explanations, see text)	The State (North Pacific Coast)	Excluding Columbia River (1-A)			
		Total	Pacific Coast direct	Puget Sound	Cungeness River
<b>ALL ENTERPRISES</b>					
<b>Irrigation works:</b>					
1 Diversion dams.....enterprises reporting 1950..	1,483	140	34	99	7
2 dams 1950..	1,861	157	39	111	7
3 1940..	1,755	74	10	60	4
<b>Diversion dams by material:</b>					
4 Concrete or masonry.....dams 1950..	293	15	7	8	
5 Timber.....dams 1950..	304	12	1	9	2
6 Earth and rock.....dams 1950..	1,120	99	21	73	5
7 Other, mixed, and not reported.....dams 1950..	144	31	10	21	
8 Reservoirs.....enterprises reporting 1950..	186	93	66	26	1
9 reservoirs 1950..	222	104	71	32	1
10 1940..	114	21	6	15	
11 Reservoirs for which capacity was reported.....reservoirs 1950..	205	97	71	26	
12 total capacity, acre-feet 1950..	6,436,522	3,851	150	3,701	
13 1940..	1,165,527	264	22	242	
<b>Reservoirs by capacity:</b>					
14 1-99 acre-feet.....reservoirs 1950..	159	92	71	21	
15 100-999 acre-feet.....reservoirs 1950..	18	4		4	
16 1,000 acre-feet and over.....reservoirs 1950..	28	1		1	
<b>Reservoir dams by material:</b>					
17 Concrete or masonry.....dams 1950..	25	5		5	
18 Earth and rock.....dams 1950..	177	91	68	22	1
19 Other, mixed, and not reported.....dams 1950..	20	8	3	5	
20 Canals and ditches.....enterprises reporting 1950..	958	51	3	34	15
21 total length, miles 1950..	4,984	166	3	50	113
22 1940..	4,249	153	2	67	84
23 Pipelines and siphons <sup>1</sup> .....enterprises reporting 1950..	920	202	20	167	15
24 total length, miles 1950..	1,514	218	74	138	6
25 1940..	2,613	309	32	274	2
26 Tunnels.....enterprises reporting 1950..	20				
27 total length, feet 1950..	103,487				
28 Flowing wells.....enterprises reporting 1950..	54	13	2	11	
29 wells 1950..	69	16	3	13	
30 1940..	50	7		7	
31 Pumped wells.....enterprises reporting 1950..	1,710	498	139	354	5
32 wells 1950..	2,098	608	171	432	5
33 1940..	1,041	242	43	199	
34 Wells for which pumping lift was reported.....wells 1949..	1,839	489	133	353	3
35 Average pumping lift.....feet 1949..	50	24	19	25	69
36 1939..	43	143	43	100	
37 Irrigation pumps.....enterprises reporting 1950..	3,938	1,260	319	817	124
38 pumps 1950..	5,125	1,432	343	949	140
39 1940..	2,488	571	169	401	1
40 Electric motors used for pumping.....enterprises reporting 1950..	3,225	753	150	514	89
41 electric motors 1950..	4,223	825	156	574	95
42 1940..	2,071	449	124	325	
43 Other motors and engines used for pumping.....enterprises reporting 1950..	827	543	176	325	42
44 other motors and engines 1950..	926	585	192	347	46
45 1940..	416	115	47	67	1
<b>Season of irrigation, 1949:</b>					
46 Water delivered only before July 1.....enterprises reporting..	73	24	1	23	
47 acres irrigated..	5,822	412	16	396	
48 Water delivered before and after July 1.....enterprises reporting..	4,475	962	243	591	129
49 acres irrigated..	634,083	27,154	3,528	12,011	11,615
50 Water delivered only after July 1.....enterprises reporting..	419	270	49	215	6
51 acres irrigated..	11,777	4,202	759	3,323	120
<b>Capital investment:</b>					
52 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	56,415,196	1,043,463	81,846	662,043	299,574
<b>New capital investment Jan. 1, 1940, to Jan. 1, 1950:</b>					
53 Enterprises reporting.....enterprises 1950..	3,169	996	234	636	126
54 Amount.....dollars 1950..	121,874,792	1,607,717	438,161	880,137	289,419
55 Area irrigated direct.....acres 1949..	391,981	23,190	3,409	11,990	7,791
56 Total capital investment Jan. 1, 1950.....dollars 1950..	178,289,988	2,651,180	520,007	1,542,180	588,993
<b>Indebtedness:<sup>2</sup></b>					
<b>Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:</b>					
57 Enterprises reporting.....enterprises 1950..	68	4	1	1	3
58 Amount.....dollars 1950..	114,784,999	289,645	6,552	218,400	64,694
59 1940..	22,621,604	235,340		138,500	95,840
60 Area irrigated direct.....acres 1949..	173,215	1,825	174	516	1,136
<b>Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:</b>					
61 Enterprises reporting.....enterprises 1950..	3	1		1	
62 Amount.....dollars 1950..	50,352	47,700		47,700	
63 1940..	1,403	516		516	

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Columbia River, total	Columbia River below Snake River (I-B)					
		Total	Columbia River direct		Klickitat River	Walla Walla River	
			Total	Below The Dalles, Oregon			Above The Dalles, Oregon
			(1a)	(1b)	(4)	(8)	
<b>ALL ENTERPRISES</b>							
<b>Irrigation works:</b>							
1 Diversion dams.....enterprises reporting 1950..	1,343	249	48	46	2	22	179
2 dams 1950..	1,704	284	52	50	2	23	209
3 dams 1940..	1,681	(*)	(*)	(*)	(*)	32	(*)
<b>Diversion dams by material:</b>							
4 Concrete or masonry.....dams 1950..	278	88	12	12			76
5 Timber.....dams 1950..	292	36	7	7		4	25
6 Earth and rock.....dams 1950..	1,021	149	28	26	2	19	102
7 Other, mixed, and not reported.....dams 1950..	113	11	5	5			6
8 Reservoirs.....enterprises reporting 1950..	93	10	6	6		1	3
9 reservoirs 1950..	118	10	6	6		1	3
10 reservoirs 1940..	93	(*)	(*)	(*)	(*)		(*)
11 Reservoirs for which capacity was reported.....reservoirs 1950..	108	9	5	5		1	3
12 total capacity, acre-feet 1950..	6,432,671	318	60	60		2	256
13 total capacity, acre-feet 1940..	1,165,263	(*)	(*)	(*)	(*)		(*)
<b>Reservoirs by capacity:</b>							
14 1-99 acre-feet.....reservoirs 1950..	67	8	5	5		1	2
15 100-999 acre-feet.....reservoirs 1950..	14	1					1
16 1,000 acre-feet and over.....reservoirs 1950..	27						
<b>Reservoir dams by material:</b>							
17 Concrete or masonry.....dams 1950..	20	4	2	2			2
18 Earth and rock.....dams 1950..	86	5	3	3		1	1
19 Other, mixed, and not reported.....dams 1950..	12	1	1	1			
20 Canals and ditches.....enterprises reporting 1950..	907	157	27	17	10	13	117
21 total length, miles 1950..	4,818	300	73	64	9	43	184
22 total length, miles 1940..	4,095	(*)	(*)	(*)	(*)	24	(*)
23 Pipelines and siphons.....enterprises reporting 1950..	718	88	38	26	12	2	48
24 total length, miles 1950..	1,296	75	25	19	6	1	49
25 total length, miles 1940..	2,304	(*)	(*)	(*)	(*)	(2)	(*)
26 Tunnels.....enterprises reporting 1950..	20						
27 total length, feet 1950..	103,487						
28 Flowing wells.....enterprises reporting 1950..	41	12	1	1			11
29 wells 1950..	53	12	1	1			11
30 wells 1940..	43	(*)	(*)	(*)	(*)		(*)
31 Pumped wells.....enterprises reporting 1950..	1,212	269	91	65	26		178
32 wells 1950..	1,490	341	109	71	38		232
33 wells 1940..	799	(*)	(*)	(*)	(*)		(*)
34 Wells for which pumping lift was reported.....wells 1949..	1,350	316	94	56	38		222
35 Average pumping lift.....feet 1949..	60	51	40	46	31		56
36 1939..	46	(*)	(*)	(*)	(*)		(*)
37 Irrigation pumps.....enterprises reporting 1950..	2,678	504	183	140	43	9	312
38 pumps 1950..	3,693	654	217	155	62	10	427
39 pumps 1940..	1,917	(*)	(*)	(*)	(*)	4	(*)
40 Electric motors used for pumping.....enterprises reporting 1950..	2,472	418	142	105	37	7	269
41 electric motors 1950..	3,398	549	172	118	54	8	369
42 electric motors 1940..	1,622	(*)	(*)	(*)	(*)		(*)
43 Other motors and engines used for pumping.....enterprises reporting 1950..	284	104	45	35	10	2	57
44 other motors and engines 1950..	341	109	45	35	10	2	62
45 other motors and engines 1940..	301	(*)	(*)	(*)	(*)	5	(*)
<b>Season of irrigation, 1949:</b>							
46 Water delivered only before July 1.....enterprises reporting..	49	4	1	1			3
47 acres irrigated..	5,410	172	20	20			152
48 Water delivered before and after July 1.....enterprises reporting..	3,513	588	171	127	44	28	389
49 acres irrigated..	606,929	42,908	8,888	7,607	1,281	5,210	28,810
50 Water delivered only after July 1.....enterprises reporting..	149	54	31	31		1	22
51 acres irrigated..	7,575	5,091	597	597		4,151	343
<b>Capital investment:</b>							
52 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	55,371,733	(*)	(*)	(*)	(*)	79,743	(*)
<b>New capital investment Jan. 1, 1940, to Jan. 1, 1950:</b>							
53 Enterprises reporting.....enterprises 1950..	2,173	447	135	100	35	6	306
54 Amount.....dollars 1950..	120,267,075	871,847	229,498	140,201	89,297	13,900	628,449
55 Area irrigated direct.....acres 1949..	368,791	21,534	4,441	3,318	1,123	568	16,525
56 Total capital investment Jan. 1, 1950.....dollars 1950..	175,638,808	(*)	(*)	(*)	(*)	93,643	(*)
<b>Indebtedness:<sup>3</sup></b>							
<b>Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:</b>							
57 Enterprises reporting.....enterprises 1950..	64	7	1	1			6
58 Amount.....dollars 1950..	114,495,353	35,760	3,500	3,500			32,260
59 Amount.....dollars 1940..	22,386,264	(*)	(*)	(*)	(*)	10,550	(*)
60 Area irrigated direct.....acres 1949..	171,389	5,523	324	324			5,199
<b>Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:</b>							
61 Enterprises reporting.....enterprises 1950..	2						
62 Amount.....dollars 1950..	2,652						
63 Area irrigated direct.....acres 1949..	887						

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



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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River, excluding Yakima River (1-C)						
	Total	Columbia River direct				Grand Coulee area (2)	
		Total	Below Trinidad, Washington (1a)	Trinidad to Grand Coulee Dam (1b)	Above Grand Coulee Dam (1c)		
<b>ALL ENTERPRISES</b>							
<b>Irrigation works:</b>							
1	Diversion dams.....enterprises reporting 1950..	632	333	2	127	205	26
2	dams 1950..	766	408	2	142	264	49
3	dams 1940..	(*)	(*)	(*)	(*)	(*)	(*)
Diversion dams by material:							
4	Concrete or masonry.....dams 1950..	66	24		7	17	9
5	Timber.....dams 1950..	131	71	1	12	58	4
6	Earth and rock.....dams 1950..	522	290		116	173	25
7	Other, mixed, and not reported.....dams 1950..	47	23	1	7	16	11
8	Reservoirs.....enterprises reporting 1950..	64	27		13	15	3
9	reservoirs 1950..	82	33		18	15	3
10	reservoirs 1940..	(*)	(*)	(*)	(*)	(*)	(*)
11	Reservoirs for which capacity was reported.....reservoirs 1950..	77	31		18	13	3
12	total capacity, acre-feet 1950..	5,367,200	28,905		10,494	18,411	5,277,801
13	reservoirs 1940..	(*)	(*)	(*)	(*)	(*)	(*)
Reservoirs by capacity:							
14	1-99 acre-feet.....reservoirs 1950..	44	18		11	7	1
15	100-999 acre-feet.....reservoirs 1950..	13	10		6	4	1
16	1,000 acre-feet and over.....reservoirs 1950..	20	3		1	2	2
Reservoir dams by material:							
17	Concrete or masonry.....dams 1950..	14	3			3	2
18	Earth and rock.....dams 1950..	58	23		18	5	1
19	Other, mixed, and not reported.....dams 1950..	10	7			7	1
20	Canals and ditches.....enterprises reporting 1950..	365	177	13	88	79	25
21	total length, miles 1950..	1,036	373	110	178	85	47
22	1940..	(*)	(*)	(*)	(*)	(*)	(*)
23	Pipelines and siphons <sup>1</sup> .....enterprises reporting 1950..	461	253	14	207	34	28
24	total length, miles 1950..	628	297	67	215	15	15
25	1940..	(*)	(*)	(*)	(*)	(*)	(*)
26	Tunnels.....enterprises reporting 1950..	10	1		2		
27	total length, feet 1950..	23,220	4,849		4,849		
28	Flowing wells.....enterprises reporting 1950..	16	8		3	5	2
29	wells 1950..	24	10		3	7	4
30	1940..	(*)	(*)	(*)	(*)	(*)	(*)
31	Pumped wells.....enterprises reporting 1950..	750	345	98	235	12	140
32	wells 1950..	888	381	111	255	15	190
33	1940..	(*)	(*)	(*)	(*)	(*)	(*)
34	Wells for which pumping lift was reported.....wells 1949..	817	339	103	221	15	187
35	Average pumping lift.....feet 1949..	64	64	33	80	32	89
36	1939..	(*)	(*)	(*)	(*)	(*)	(*)
37	Irrigation pumps.....enterprises reporting 1950..	1,515	716	112	529	75	173
38	pumps 1950..	2,071	941	155	699	87	275
39	1940..	(*)	(*)	(*)	(*)	(*)	(*)
40	Electric motors used for pumping.....enterprises reporting 1950..	1,454	676	107	514	55	170
41	electric motors 1950..	1,985	895	152	678	65	270
42	1940..	(*)	(*)	(*)	(*)	(*)	(*)
43	Other motors and engines used for pumping.....enterprises reporting 1950..	93	54	7	19	28	4
44	other motors and engines 1950..	115	57	7	22	28	10
45	1940..	(*)	(*)	(*)	(*)	(*)	(*)
<b>Season of Irrigation, 1949:</b>							
46	Water delivered only before July 1.....enterprises reporting..	19	9		5	4	5
47	acres irrigated..	1,334	195		119	76	845
48	Water delivered before and after July 1.....enterprises reporting..	1,962	975	110	655	213	184
49	acres irrigated..	117,123	45,478	15,191	24,870	5,417	13,815
50	Water delivered only after July 1.....enterprises reporting..	64	39	2	5	32	2
51	acres irrigated..	1,653	797	9	113	675	70
<b>Capital Investment:</b>							
52	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	(*)	(*)	(*)	(*)	(*)	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
53	Enterprises reporting.....enterprises 1950..	1,140	577	73	373	133	127
54	Amount.....dollars 1950..	106,341,741	3,961,260	2,935,142	909,248	116,870	100,772,210
55	Area irrigated direct.....acres 1949..	79,771	26,525	5,495	17,150	3,880	9,668
56	Total capital investment Jan. 1, 1950.....dollars 1950..	(*)	(*)	(*)	(*)	(*)	(*)
<b>Indebtedness:<sup>3</sup></b>							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
57	Enterprises reporting.....enterprises 1950..	30	9	3	7		1
58	Amount.....dollars 1950..	89,325,513	31,159,459	30,994,020	165,439		56,825,000
59	1940..	(*)	(*)	(*)	(*)	(*)	(*)
60	Area irrigated direct.....acres 1949..	42,211	15,538	10,476	5,062		
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
61	Enterprises reporting.....enterprises 1950..						
62	Amount.....dollars 1950..						
63	1949..						

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River, excluding Yakima River (1-C)—Continued					
	Wenatchee River	Lake Chelan	Methow River	Okanogan River	Spokane River	Clark Fork
	(3)	(4)	(5)	(6)	(7)	(8a)
<b>ALL ENTERPRISES</b>						
Irrigation works:						
1 Diversion dams.....enterprises reporting 1950..	70	14	72	61	39	18
2 Diversion dams.....dams 1950..	73	23	82	71	42	18
3 Diversion dams.....dams 1940..	80	25	109	46	27	44
4 Diversion dams by material:						
5 Concrete or masonry.....dams 1950..	8	8	3	11	3	.....
6 Timber.....dams 1950..	9	.....	30	9	3	5
7 Earth and rock.....dams 1950..	51	14	47	49	33	13
8 Other, mixed, and not reported.....dams 1950..	5	1	2	2	3	.....
9 Reservoirs.....enterprises reporting 1950..	10	2	6	8	7	1
10 Reservoirs.....reservoirs 1950..	13	4	9	12	7	1
11 Reservoirs for which capacity was reported.....reservoirs 1950..	11	2	5	11	12	11
12 Reservoirs.....total capacity, acre-feet 1950..	12	3	9	12	7	1
13 Reservoirs.....total capacity, acre-feet 1940..	4,829	8,570 (*)	8,805	35,271	3,014	5
14 Reservoirs by capacity:	4,523	.....	6,138	43,501	70	20
15 1-99 acre-feet.....reservoirs 1950..	9	1	5	3	6	1
16 100-999 acre-feet.....reservoirs 1950..	.....	.....	.....	.....	.....	.....
17 1,000 acre-feet and over.....reservoirs 1950..	3	2	4	5	1	.....
18 Reservoir dams by material:						
19 Concrete or masonry.....dams 1950..	5	1	1	.....	2	.....
20 Earth and rock.....dams 1950..	7	3	8	12	.....	1
21 Other, mixed, and not reported.....dams 1950..	1	.....	.....	.....	1	.....
22 Canals and ditches.....enterprises reporting 1950..	41	9	63	22	18	11
23 Canals and ditches.....total length, miles 1950..	115	25	146	237	81	12
24 Canals and ditches.....total length, miles 1940..	146	43	226	281	113	37
25 Pipelines and siphons.....enterprises reporting 1950..	79	25	7	41	28	1
26 Pipelines and siphons.....total length, miles 1950..	66	64	19	75	91	1
27 Pipelines and siphons.....total length, miles 1940..	401	129	19	177	165	10
28 Tunnels.....enterprises reporting 1950..	4	1	2	.....	.....	.....
29 Tunnels.....total length, feet 1950..	8,793	2,360	180	7,038	.....	.....
30 Flowing wells.....enterprises reporting 1950..	1	.....	.....	.....	4	.....
31 Flowing wells.....wells 1950..	1	.....	.....	3	6	.....
32 Flowing wells.....wells 1940..	.....	.....	.....	.....	.....	.....
33 Pumped wells.....enterprises reporting 1950..	70	1	6	129	59	.....
34 Pumped wells.....wells 1950..	81	1	7	147	81	.....
35 Pumped wells.....wells 1940..	46	1	3	105	49	.....
36 Wells for which pumping lift was reported.....wells 1949..	77	.....	6	139	69	.....
37 Average pumping lift.....feet 1949..	43	.....	40	34	81	.....
38 Average pumping lift.....feet 1939..	34	(*)	.....	44	70	.....
39 Irrigation pumps.....enterprises reporting 1950..	211	69	13	224	106	4
40 Irrigation pumps.....pumps 1950..	266	111	15	308	151	4
41 Irrigation pumps.....pumps 1940..	181	88	37	237	84	1
42 Electric motors used for pumping.....enterprises reporting 1950..	208	69	12	221	98	1
43 Electric motors used for pumping.....electric motors 1950..	261	112	14	294	138	1
44 Electric motors used for pumping.....electric motors 1940..	170	74	32	226	68	.....
45 Other motors and engines used for pumping.....enterprises reporting 1950..	6	.....	1	8	17	3
46 Other motors and engines used for pumping.....other motors and engines 1950..	8	.....	1	18	18	3
47 Other motors and engines used for pumping.....other motors and engines 1940..	12	13	5	11	17	3
48 Season of irrigation, 1949:						
49 Water delivered only before July 1.....enterprises reporting..	.....	.....	.....	3	1	1
50 Water delivered only before July 1.....acres irrigated..	.....	.....	.....	249	30	15
51 Water delivered before and after July 1.....enterprises reporting..	264	78	92	248	109	13
52 Water delivered before and after July 1.....acres irrigated..	14,614	5,368	8,885	16,829	11,638	496
53 Water delivered only after July 1.....enterprises reporting..	.....	.....	2	8	12	1
54 Water delivered only after July 1.....acres irrigated..	.....	.....	15	503	238	30
55 Capital investment:						
56 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	2,954,690	866,494	681,331	3,601,840	2,387,514	67,725
57 New capital investment Jan. 1, 1940, to Jan. 1, 1950:						
58 Enterprises reporting.....enterprises 1950..	133	42	37	140	79	6
59 Amount.....dollars 1950..	539,547	77,835	100,760	606,873	279,063	4,193
60 Area irrigated direct.....acres 1949..	11,244	4,330	4,608	13,911	9,252	233
61 Total capital investment Jan. 1, 1950.....dollars 1950..	3,494,237	944,329	782,091	4,208,713	2,666,577	71,918
62 Indebtedness: <sup>3</sup>						
63 Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:						
64 Enterprises reporting.....enterprises 1950..	6	2	4	3	6	.....
65 Amount.....dollars 1950..	32,160	212,400	139,000	677,644	279,850	.....
66 Area irrigated direct.....acres 1949..	467,011	413,669	137,940	675,576	681,066	.....
67 Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:	4,236	3,520	2,588	10,487	5,842	.....
68 Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....
69 Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....
70 Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....

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

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

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

Item (For definitions and explanations, see text)	Yakima River (1-D)				Snake River below Weiser, Idaho (1-E)		
	Total	Below Union Gap	Union Gap to Untanum	Above Untanum	Total	Snake River direct	Grande Ronde River
		(1)	(2)	(3)		(1)	(2a)
<b>ALL ENTERPRISES</b>							
<b>Irrigation works:</b>							
1 Diversion dams.....enterprises reporting 1950..	422	47	204	174	42	38	4
2 dams 1950..	598	58	268	272	56	50	6
3 dams 1940..	(*)	(*)	(*)	(*)	95	80	15
<b>Diversion dams by material:</b>							
4 Concrete or masonry.....dams 1950..	116	16	57	43	8	8	
5 Timber.....dams 1950..	123	4	53	66	2	2	
6 Earth and rock.....dams 1950..	317	37	123	157	33	27	6
7 Other, mixed, and not reported.....dams 1950..	42	1	35	6	13	13	
8 Reservoirs.....enterprises reporting 1950..	17	1	15	2	2	1	1
9 reservoirs 1950..	24	1	19	4	2	1	1
10 reservoirs 1940..	(*)	(*)	(*)	(*)	4	4	
11 Reservoirs for which capacity was reported.....reservoirs 1950..	21		17	4	1	1	
12 total capacity, acre-feet 1950..	1,065,094		237,344	827,750	59	59	
13 total capacity, acre-feet 1940..	(*)	(*)	(*)	(*)	59	2	
<b>Reservoirs by capacity:</b>							
14 1-99 acre-feet.....reservoirs 1950..	14		13	1	1	1	
15 100-999 acre-feet.....reservoirs 1950..							
16 1,000 acre-feet and over.....reservoirs 1950..	7		4	3			
<b>Reservoir dams by material:</b>							
17 Concrete or masonry.....dams 1950..	1		1		1	1	
18 Earth and rock.....dams 1950..	22	1	17	4	1		1
19 Other, mixed, and not reported.....dams 1950..	1		1				
20 Canals and ditches.....enterprises reporting 1950..	357	66	180	115	30	26	4
21 total length, miles 1950..	3,444	2,068	810	566	38	33	5
22 total length, miles 1940..	(*)	(*)	(*)	(*)	62	50	12
23 Pipelines and siphons <sup>1</sup> .....enterprises reporting 1950..	124	45	74	8	47	46	1
24 total length, miles 1950..	497	317	174	6	96	96	
25 total length, miles 1940..	(*)	(*)	(*)	(*)	93	92	(2)
26 Tunnels.....enterprises reporting 1950..	10		8	3			
27 total length, feet 1950..	80,267		56,839	23,428			
28 Flowing wells.....enterprises reporting 1950..	12	1	10	1	1	1	
29 wells 1950..	15	2	10	3	2	2	
30 wells 1940..	(*)	(*)	(*)	(*)	8	8	
31 Pumped wells.....enterprises reporting 1950..	169	27	137	5	24	24	
32 wells 1950..	232	37	183	12	29	29	
33 wells 1940..	(*)	(*)	(*)	(*)	10	10	
34 Wells for which pumping lift was reported.....wells 1949..	197	34	152	11	20	20	
35 Average pumping lift.....feet 1949..	44	39	64	37	51	51	
36 Average pumping lift.....feet 1939..	(*)	(*)	(*)	(*)	31	65	
37 Irrigation pumps.....enterprises reporting 1950..	546	200	332	15	114	113	1
38 pumps 1950..	800	317	452	31	168	166	2
39 pumps 1940..	(*)	(*)	(*)	(*)	56	65	1
40 Electric motors used for pumping.....enterprises reporting 1950..	504	184	312	9	97	96	1
41 electric motors 1950..	720	279	423	18	144	143	1
42 electric motors 1940..	(*)	(*)	(*)	(*)	35	35	
43 Other motors and engines used for pumping.....enterprises reporting 1950..	67	25	33	9	20	19	1
44 other motors and engines 1950..	95	39	38	18	22	21	1
45 other motors and engines 1940..	(*)	(*)	(*)	(*)	33	32	1
<b>Season of irrigation, 1949:</b>							
46 Water delivered only before July 1.....enterprises reporting..	24	2	7	15	2	1	1
47 acres irrigated..	3,874	160	1,417	2,297	30	11	19
48 Water delivered before and after July 1.....enterprises reporting..	844	234	461	154	122	118	4
49 acres irrigated..	439,884	235,092	94,271	110,521	7,014	6,906	108
50 Water delivered only after July 1.....enterprises reporting..	28	8	18	2	4	4	
51 acres irrigated..	791	184	338	269	40	40	
<b>Capital investment:</b>							
52 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	(*)	(*)	(*)	(*)	908,893	907,418	1,475
53 New capital investment Jan. 1, 1940, to Jan. 1, 1950:.....enterprises 1950..	496	146	308	44	93	92	1
54 Amount.....dollars 1950..	12,696,765	10,982,460	1,462,733	251,572	356,722	355,446	1,276
55 Area irrigated direct.....acres 1949..	261,330	157,667	39,345	64,318	6,156	6,154	2
56 Total capital investment Jan. 1, 1950.....dollars 1950..	(*)	(*)	(*)	(*)	1,265,615	1,262,864	2,751
<b>Indebtedness:<sup>3</sup></b>							
<b>Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:</b>							
57 Enterprises reporting.....enterprises 1950..	29	14	14	5			
58 Amount.....dollars 1950..	25,134,080	19,622,266	3,537,943	1,973,871			
59 Amount.....dollars 1940..	(*)	(*)	(*)	(*)			
60 Area irrigated direct.....acres 1949..	123,655	13,933	26,620	83,102			
<b>Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:</b>							
61 Enterprises reporting.....enterprises 1950..	2	1	1				
62 Amount.....dollars 1950..	2,652	2,362	290				
63 Area irrigated direct.....acres 1949..	887	767	120				

<sup>1</sup>Not available.

<sup>2</sup>Pipelines in farm-distribution systems were included in 1940, not included in 1950.

<sup>3</sup>Less than 0.5.

<sup>4</sup>Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State (North Pacific Coast)	Excluding Columbia River (I-A)			
		Total	Pacific Coast direct (1)	Puget Sound (2)	Dungeness River (3)
<b>ALL ENTERPRISES</b>					
Cost of water to farms, 1949: <sup>1</sup>					
Total cost of water to farms:					
1 Enterprises reporting.....enterprises..	5,213	1,339	325	879	136
2 Cost.....dollars..	4,105,744	180,325	39,714	100,103	40,508
3 Area irrigated direct.....acres..	658,190	32,906	4,651	16,480	11,775
4 Cost per acre irrigated direct.....dollars..	6.24	5.48	8.54	6.07	3.44
5 Total cost per irrigated acre.....dollars..	6.64	5.76	8.73	6.09	3.92
6 Total cost per acre-foot of water <sup>2</sup> .....dollars..	1.28	0.85	( <sup>3</sup> )	5.54	0.54
Enterprises by cost per acre:					
7 Less than \$1.00.....enterprises reporting..	1,260	193	42	143	8
8 acres irrigated..	88,040	6,589	567	2,681	3,341
9 \$1.00-\$1.99.....enterprises reporting..	262	112	13	88	11
10 acres irrigated..	23,153	3,636	241	2,381	1,014
11 \$2.00-\$4.99.....enterprises reporting..	847	305	56	201	48
12 acres irrigated..	196,498	10,830	1,313	4,820	4,697
13 \$5.00-\$9.99.....enterprises reporting..	1,069	312	71	194	48
14 acres irrigated..	228,215	7,267	1,325	3,601	2,341
15 \$10.00 and over.....enterprises reporting..	1,775	417	143	253	21
16 acres irrigated..	122,284	4,584	1,205	2,997	362
Cost of water for primary irrigation:					
17 Enterprises reporting.....enterprises..	5,021	1,333	323	877	134
18 Cost.....dollars..	3,893,883	176,927	39,006	99,893	38,028
19 Area supplied primary irrigation.....acres..	618,129	31,306	4,551	16,429	10,325
20 Cost per acre supplied.....dollars..	6.30	5.65	8.57	6.08	3.68
Cost of water for supplemental irrigation:					
21 Enterprises reporting.....enterprises..	331	12	2	3	7
22 Cost.....dollars..	211,861	3,398	708	210	2,480
23 Area supplied supplemental irrigation.....acres..	40,061	1,600	100	51	1,449
24 Cost per acre supplied.....dollars..	5.29	2.12	7.08	4.12	1.71
Cost to farms for purposes other than operation and maintenance: <sup>4</sup>					
25 Enterprises reporting.....enterprises..	70	3	1	1	2
26 Cost.....dollars..	687,435	1,689	84	774	831
27 Area irrigated direct.....acres..	327,837	1,756	174	516	1,066
28 Cost per acre irrigated.....dollars..	2.10	0.96	0.48	1.50	0.78
Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup>					
29 Enterprises reporting.....enterprises..	114	10	1	2	8
30 Amount.....dollars..	298,945	30,047	595	26,250	3,202
31 Area irrigated direct.....acres..	269,056	6,346	174	565	5,607
<b>SINGLE-FARM ENTERPRISES, 1950</b>					
32 Single-farm enterprises.....enterprises..	4,822	1,327	323	877	127
33 Area irrigated.....acres..	144,607	25,850	4,452	15,711	5,687
34 Complete-system enterprises <sup>5</sup> .....enterprises..	4,097	1,196	323	851	22
35 Area irrigated.....acres..	121,914	21,045	4,452	15,402	1,191
Other farms irrigated:					
36 Enterprises reporting.....number..	145	16	1	12	3
37 Number of other farms.....farms..	198	22	1	18	3
38 Area irrigated in other farms.....acres..	4,045	150	50	80	20
Enterprises by origin of water supply: <sup>5</sup>					
39 No water from other enterprises.....enterprises reporting..	4,141	1,199	323	854	22
40 acres irrigated..	121,920	20,930	4,452	15,402	1,076
41 Part of water from other enterprises.....enterprises reporting..	106	13	.....	.....	13
42 acres irrigated..	6,691	905	.....	.....	905
43 All of water from other enterprises.....enterprises reporting..	575	115	.....	23	92
44 acres irrigated..	15,996	4,015	.....	309	3,706
Enterprises by primary and supplemental irrigation:					
45 All primary.....enterprises reporting..	4,556	1,317	321	871	125
46 acres irrigated..	134,899	25,626	4,352	15,637	5,637
47 Part primary, part supplemental.....enterprises reporting..	39	1	.....	1	.....
48 Primary irrigation.....acres irrigated..	1,951	23	.....	23	.....
49 Supplemental irrigation.....acres irrigated..	1,224	28	.....	28	.....
50 All supplemental.....enterprises reporting..	183	5	2	2	1
51 acres irrigated..	6,533	173	100	23	50
Enterprises by number of acres irrigated: <sup>5</sup>					
52 None.....enterprises reporting..	44	4	.....	3	1
53 1-9 acres.....enterprises reporting..	1,875	620	175	431	14
54 10-29 acres.....enterprises reporting..	1,534	421	99	284	38
55 30-59 acres.....enterprises reporting..	762	201	43	111	47
56 60-99 acres.....enterprises reporting..	320	44	4	24	16
57 100-199 acres.....enterprises reporting..	200	30	2	20	8
58 200-499 acres.....enterprises reporting..	76	7	.....	4	3
59 500-999 acres.....enterprises reporting..	8	.....	.....	.....	.....
60 1,000 acres or more.....enterprises reporting..	3	.....	.....	.....	.....

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

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

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

Item (For definitions and explanations, see text)	Columbia River, total	Columbia River below Snake River (I-B)						
		Total	Columbia River Direct			Klickitat River (4)	Walla Walla River (8)	
			Total	Below The Dalles, Oregon (1a)	Above The Dalles, Oregon (1b)			
<b>ALL ENTERPRISES</b>								
Cost of water to farms, 1949: <sup>1</sup>								
Total cost of water to farms:								
1	Enterprises reporting.....enterprises..	3,874	670	210	166	44	29	431
2	Cost.....dollars..	3,925,419	157,226	38,518	21,912	16,606	8,347	110,361
3	Area irrigated direct.....acres..	625,284	48,948	9,626	8,345	1,281	9,361	29,961
4	Cost per acre irrigated direct.....dollars..	6.28	3.21	4.00	2.63	12.96	0.89	3.68
5	Total cost per irrigated acre.....dollars..	6.69	3.64	4.49	3.00	12.96	1.43	3.84
6	Total cost per acre-foot of water <sup>2</sup> .....dollars..	1.29	0.65	0.77	0.51	(3)	0.18	0.75
Enterprises by cost per acre:								
7	Less than \$1.00.....enterprises reporting..	1,067	166	52	50	2	20	94
8	acres irrigated..	81,451	16,487	5,291	5,279	12	4,626	6,570
9	\$1.00-\$1.99.....enterprises reporting..	150	38	9	9		2	27
10	acres irrigated..	19,517	8,113	161	161		4,401	3,551
11	\$2.00-\$4.99.....enterprises reporting..	542	155	51	46	5	5	99
12	acres irrigated..	185,668	14,632	2,058	1,784	274	294	12,280
13	\$5.00-\$9.99.....enterprises reporting..	757	137	38	21	17	2	97
14	acres irrigated..	220,948	7,120	1,238	658	580	40	5,842
15	\$10.00 and over.....enterprises reporting..	1,358	174	60	40	20		114
16	acres irrigated..	117,700	2,596	878	463	415		1,718
Cost of water for primary irrigation:								
17	Enterprises reporting.....enterprises..	3,688	656	210	166	44	28	418
18	Cost.....dollars..	3,716,956	150,352	38,005	21,399	16,606	4,402	107,945
19	Area supplied primary irrigation.....acres..	586,823	43,164	8,586	7,305	1,281	5,827	28,751
20	Cost per acre supplied.....dollars..	6.33	3.48	4.43	2.93	12.96	0.76	3.75
Cost of water for supplemental irrigation:								
21	Enterprises reporting.....enterprises..	319	36	6	6		4	26
22	Cost.....dollars..	208,463	6,874	513	513		3,945	2,416
23	Area supplied supplemental irrigation.....acres..	38,461	5,784	1,040	1,040		3,534	1,210
24	Cost per acre supplied.....dollars..	5.42	1.19	0.49	0.49		1.12	2.00
Cost to farms for purposes other than operation and maintenance: <sup>4</sup>								
25	Enterprises reporting.....enterprises..	67	7	1	1		1	5
26	Cost.....dollars..	685,746	8,678	648	648		2,038	5,992
27	Area irrigated direct.....acres..	326,081	10,102	324	324		4,151	5,627
28	Cost per acre irrigated.....dollars..	2.10	0.86	2.00	2.00		0.49	1.06
Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup>								
29	Enterprises reporting.....enterprises..	104	11	2	2		2	7
30	Amount.....dollars..	268,898	4,155	350	350		670	3,135
31	Area irrigated direct.....acres..	262,710	14,495	764	764		7,833	5,898
<b>SINGLE-FARM ENTERPRISES, 1950</b>								
32	Single-farm enterprises.....enterprises..	3,495	576	200	155	45	25	351
33	Area irrigated.....acres..	118,757	19,893	4,463	3,182	1,281	933	14,497
34	Complete-system enterprises <sup>5</sup> .....enterprises..	2,901	528	199	155	44	23	306
35	Area irrigated.....acres..	100,869	17,017	4,463	3,182	1,281	855	11,699
Other farms irrigated:								
36	Enterprises reporting.....number..	129	21	6	4	2		15
37	Number of other farms.....farms..	176	26	6	4	2		20
38	Area irrigated in other farms.....acres..	3,895	909	44	17	27		865
Enterprises by origin of water supply: <sup>5</sup>								
39	No water from other enterprises.....enterprises reporting..	2,942	529	200	155	45	24	305
40	acres irrigated..	100,990	16,910	4,463	3,182	1,281	855	11,592
41	Part of water from other enterprises.....enterprises reporting..	93	21					21
42	acres irrigated..	5,786	1,635					1,635
43	All of water from other enterprises.....enterprises reporting..	460	26				1	25
44	acres irrigated..	11,981	1,348				78	1,270
Enterprises by primary and supplemental irrigation:								
45	All primary.....enterprises reporting..	3,239	557	199	155	44	23	335
46	acres irrigated..	109,273	19,400	4,463	3,182	1,281	913	14,024
47	Part primary, part supplemental.....enterprises reporting..	38	2					2
48	Primary irrigation.....acres irrigated..	1,928	60					60
49	Supplemental irrigation.....acres irrigated..	1,196	81					81
50	All supplemental.....enterprises reporting..	178	14				1	13
51	acres irrigated..	6,360	352				20	332
Enterprises by number of acres irrigated: <sup>5</sup>								
52	None.....enterprises reporting..	40	3			1	1	1
53	1-9 acres.....enterprises reporting..	1,255	225	75	63	12	8	142
54	10-29 acres.....enterprises reporting..	1,113	182	85	69	16	7	90
55	30-59 acres.....enterprises reporting..	561	81	27	16	11	4	50
56	60-99 acres.....enterprises reporting..	276	36	8	5	3	3	25
57	100-199 acres.....enterprises reporting..	170	39	3	1	2	1	35
58	200-499 acres.....enterprises reporting..	69	6				1	5
59	500-999 acres.....enterprises reporting..	8	2	1	1			1
60	1,000 acres or more.....enterprises reporting..	3	2					2

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River excluding Yakima River (I-C)					Grand Coulee area (2)	
	Total	Columbia River direct			Total		
		Total	Below Trinidad, Washington (1a)	Trinidad to Grand Coulee Dam (1b)			Above Grand Coulee Dam (1c)
<b>ALL ENTERPRISES</b>							
Cost of water to farms, 1949: <sup>1</sup>							
Total cost of water to farms:							
1	Enterprises reporting.....enterprises..	2,107	1,039	114	677	251	191
2	Cost.....dollars..	1,276,464	430,365	126,255	291,609	12,501	90,859
3	Area irrigated direct.....acres..	121,518	47,038	15,360	25,483	6,195	14,925
4	Cost per acre irrigated direct.....dollars..	10.50	9.15	8.22	11.44	2.02	6.09
5	Total cost per irrigated acre.....dollars..	11.21	9.92	9.02	12.54	2.04	6.10
6	Total cost per acre-foot of water.....dollars..	1.97	1.53	1.19	2.16	( <sup>3</sup> )	0.94
Enterprises by cost per acre:							
7	Less than \$1.00.....enterprises reporting..	524	292	4	119	169	26
8	.....acres irrigated..	17,173	7,026	112	3,334	3,580	3,034
9	\$1.00-\$1.99.....enterprises reporting..	60	35	10	9	16	3
10	.....acres irrigated..	4,623	2,053	797	563	693	1,141
11	\$2.00-\$4.99.....enterprises reporting..	226	92	16	44	33	29
12	.....acres irrigated..	15,629	6,700	3,211	2,410	1,079	3,859
13	\$5.00-\$9.99.....enterprises reporting..	422	156	27	114	16	66
14	.....acres irrigated..	25,274	11,755	6,673	4,467	615	3,963
15	\$10.00 and over.....enterprises reporting..	875	464	57	391	17	67
16	.....acres irrigated..	58,819	19,504	4,567	14,709	228	2,928
Cost of water for primary irrigation:							
17	Enterprises reporting.....enterprises..	2,033	1,017	97	667	250	191
18	Cost.....dollars..	1,194,229	398,818	114,984	271,379	12,455	90,594
19	Area supplied primary irrigation.....acres..	113,842	43,368	13,998	23,254	6,116	14,890
20	Cost per acre supplied.....dollars..	10.49	9.20	8.21	11.67	2.04	6.08
Cost of water for supplemental irrigation:							
21	Enterprises reporting.....enterprises..	127	53	21	31	2	3
22	Cost.....dollars..	82,235	31,547	11,271	20,230	46	275
23	Area supplied supplemental irrigation.....acres..	7,676	3,670	1,362	2,229	79	35
24	Cost per acre supplied.....dollars..	10.71	8.60	8.28	9.08	0.58	7.86
Cost to farms for purposes other than operation and maintenance: <sup>4</sup>							
25	Enterprises reporting.....enterprises..	36	10	2	9	.....	.....
26	Cost.....dollars..	201,096	36,619	24,655	11,964	.....	.....
27	Area irrigated direct.....acres..	40,669	13,139	8,214	4,925	.....	.....
28	Cost per acre irrigated.....dollars..	4.94	2.79	3.00	2.43	.....	.....
Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup>							
29	Enterprises reporting.....enterprises..	52	20	3	18	1	.....
30	Amount.....dollars..	132,310	48,749	13,903	31,610	3,236	.....
31	Area irrigated direct.....acres..	52,296	15,538	6,868	8,545	125	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>							
32	Single-farm enterprises.....enterprises..	1,962	968	110	605	253	192
33	Area irrigated.....acres..	54,334	22,769	2,971	13,728	6,070	14,756
34	Complete-system enterprises <sup>5</sup> .....enterprises..	1,724	849	97	502	250	189
35	Area irrigated.....acres..	50,562	21,165	2,579	12,516	6,070	14,682
Other farms irrigated:							
36	Enterprises reporting.....number..	75	30	3	22	5	15
37	Number of other farms.....farms..	101	40	3	26	11	21
38	Area irrigated in other farms.....acres..	1,632	366	26	166	174	899
Enterprises by origin of water supply: <sup>5</sup>							
39	No water from other enterprises.....enterprises reporting..	1,747	858	99	506	253	190
40	.....acres irrigated..	50,492	21,144	2,558	12,516	6,070	14,577
41	Part of water from other enterprises.....enterprises reporting..	43	19	11	8	.....	1
42	.....acres irrigated..	1,324	616	413	203	.....	74
43	All of water from other enterprises.....enterprises reporting..	172	91	.....	91	.....	1
44	.....acres irrigated..	2,518	1,009	.....	1,009	.....	105
Enterprises by primary and supplemental irrigation:							
45	All primary.....enterprises reporting..	1,855	924	87	589	248	187
46	.....acres irrigated..	52,264	21,958	2,581	13,392	5,985	14,565
47	Part primary, part supplemental.....enterprises reporting..	14	7	3	3	1	3
48	.....acres irrigated..	416	222	28	188	6	156
49	Supplemental irrigation.....acres irrigated..	204	93	28	9	56	35
50	All supplemental.....enterprises reporting..	71	27	17	9	1	.....
51	.....acres irrigated..	1,450	496	334	139	23	.....
Enterprises by number of acres irrigated: <sup>5</sup>							
52	None.....enterprises reporting..	22	10	3	4	3	2
53	1-9 acres.....enterprises reporting..	787	410	37	281	92	22
54	10-29 acres.....enterprises reporting..	647	329	44	198	87	49
55	30-59 acres.....enterprises reporting..	279	133	15	79	39	45
56	60-99 acres.....enterprises reporting..	139	54	6	23	25	38
57	100-199 acres.....enterprises reporting..	52	21	2	13	6	17
58	200-499 acres.....enterprises reporting..	33	10	3	6	1	17
59	500-999 acres.....enterprises reporting..	3	1	.....	1	.....	2
60	1,000 acres or more.....enterprises reporting..	.....	.....	.....	.....	.....	.....

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

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River excluding Yakima River (I-C)—Continued						
	Wenatchee River	Lake Chelan	Methow River	Okanogan River	Spokane River	Clark Fork	
	(3)	(4)	(5)	(6)	(7)	(8a)	
<b>ALL ENTERPRISES</b>							
<b>Cost of water to farms, 1949:<sup>1</sup></b>							
<b>Total cost of water to farms:</b>							
1	Enterprises reporting.....enterprises..	277	83	96	267	135	20
2	Cost.....dollars..	186,199	185,581	50,098	193,555	139,304	493
3	Area irrigated direct.....acres..	14,777	5,401	8,909	17,624	12,152	612
4	Cost per acre irrigated direct.....dollars..	12.60	33.86	5.62	10.98	11.46	0.81
5	Total cost per irrigated acre.....dollars..	13.07	34.23	5.83	11.94	13.27	0.81
6	Total cost per acre-foot of water <sup>2</sup> .....dollars..	2.51	5.90	0.69	2.65	2.95	( <sup>3</sup> )
<b>Enterprises by cost per acre:</b>							
7	Less than \$1.00.....enterprises reporting..	47	15	59	42	29	14
8	acres irrigated..	1,066	170	3,615	1,357	434	471
9	\$1.00-\$1.99.....enterprises reporting..	4	1	7	6	3	1
10	acres irrigated..	62	33	947	75	252	60
11	\$2.00-\$4.99.....enterprises reporting..	31	4	12	36	20	3
12	acres irrigated..	2,155	162	723	1,420	545	65
13	\$5.00-\$9.99.....enterprises reporting..	55	15	12	78	39	1
14	acres irrigated..	1,277	277	1,631	4,007	2,358	6
15	\$10.00 and over.....enterprises reporting..	140	48	6	105	44	1
16	acres irrigated..	10,217	4,839	1,993	10,765	8,563	10
<b>Cost of water for primary irrigation:</b>							
17	Enterprises reporting.....enterprises..	259	82	89	249	133	20
18	Cost.....dollars..	180,552	184,513	48,692	173,873	116,694	493
19	Area supplied primary irrigation.....acres..	14,250	5,421	8,588	16,214	10,499	612
20	Cost per acre supplied.....dollars..	12.67	34.04	5.67	10.72	11.11	0.81
<b>Cost of water for supplemental irrigation:</b>							
21	Enterprises reporting.....enterprises..	27	1	13	23	7	.....
22	Cost.....dollars..	5,647	1,068	1,406	19,682	22,610	.....
23	Area supplied supplemental irrigation.....acres..	527	60	321	1,410	1,653	.....
24	Cost per acre supplied.....dollars..	10.72	17.80	4.38	13.96	13.68	.....
<b>Cost to farms for purposes other than operation and maintenance:<sup>4</sup></b>							
25	Enterprises reporting.....enterprises..	9	2	5	3	7	.....
26	Cost.....dollars..	7,072	65,090	17,573	45,579	29,163	.....
27	Area irrigated direct.....acres..	4,434	3,520	3,142	10,487	5,947	.....
28	Cost per acre irrigated.....dollars..	1.59	18.49	5.59	4.35	4.90	.....
<b>Arrearage in payments by farms, Jan. 1, 1950:<sup>4</sup></b>							
29	Enterprises reporting.....enterprises..	12	1	3	5	12	.....
30	Amount.....dollars..	27,239	2,356	6,175	14,633	33,158	.....
31	Area irrigated direct.....acres..	10,271	3,271	2,314	11,292	9,610	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>							
32	Single-farm enterprises.....enterprises..	249	80	67	265	121	20
33	Area irrigated.....acres..	3,609	1,748	2,244	6,239	2,387	582
34	Complete-system enterprises <sup>5</sup> .....enterprises..	169	73	65	241	119	19
35	Area irrigated.....acres..	2,376	1,583	2,224	5,572	2,378	582
<b>Other farms irrigated:</b>							
36	Enterprises reporting.....number..	10	4	2	8	5	1
37	Number of other farms.....farms..	14	7	2	8	8	1
38	Area irrigated in other farms.....acres..	84	86	51	99	35	12
<b>Enterprises by origin of water supply:<sup>5</sup></b>							
39	No water from other enterprises.....enterprises reporting..	170	73	66	251	119	20
40	acres irrigated..	2,407	1,583	2,224	5,597	2,378	582
41	Part of water from other enterprises.....enterprises reporting..	16	1	1	4	1	.....
42	acres irrigated..	202	13	20	395	4	.....
43	All of water from other enterprises.....enterprises reporting..	63	6	.....	10	1	.....
44	acres irrigated..	1,000	152	.....	247	5	.....
<b>Enterprises by primary and supplemental irrigation:</b>							
45	All primary.....enterprises reporting..	231	79	59	238	118	19
46	acres irrigated..	3,452	1,688	2,057	5,604	2,358	582
47	Part primary, part supplemental.....enterprises reporting..	1	.....	.....	2	1	.....
48	Primary irrigation.....acres irrigated..	1	.....	.....	27	10	.....
49	Supplemental irrigation.....acres irrigated..	1	.....	.....	65	10	.....
50	All supplemental.....enterprises reporting..	17	1	7	17	2	.....
51	acres irrigated..	155	60	187	543	9	.....
<b>Enterprises by number of acres irrigated:<sup>5</sup></b>							
52	None.....enterprises reporting..	.....	.....	1	8	.....	1
53	1-9 acres.....enterprises reporting..	132	31	18	114	54	6
54	10-29 acres.....enterprises reporting..	90	30	18	84	41	6
55	30-59 acres.....enterprises reporting..	17	9	20	34	18	3
56	60-99 acres.....enterprises reporting..	9	9	8	12	6	3
57	100-199 acres.....enterprises reporting..	1	1	1	9	1	1
58	200-499 acres.....enterprises reporting..	.....	.....	1	4	1	.....
59	500-999 acres.....enterprises reporting..	.....	.....	.....	.....	.....	.....
60	1,000 acres or more.....enterprises reporting..	.....	.....	.....	.....	.....	.....

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Yakima River (I-D)			Snake River below Weiser, Idaho (I-E)				
	Total	Below Union Gap	Union Gap to Umtanum	Above Umtanum	Total	Snake River direct	Grande Ronde River	
		(1)	(2)	(3)		(1)	(2a)	
<b>ALL ENTERPRISES</b>								
<b>Cost of water to farms, 1949:<sup>1</sup></b>								
<b>Total cost of water to farms:</b>								
1	Enterprises reporting.....enterprises..	965	253	517	199	134	129	5
2	Cost.....dollars..	2,420,944	1,404,676	488,353	527,915	70,785	70,645	140
3	Area irrigated direct.....acres..	447,623	235,837	96,835	114,951	7,195	7,068	127
4	Cost per acre irrigated direct.....dollars..	5.41	5.96	5.04	4.59	9.84	10.00	1.10
5	Total cost per irrigated acre.....dollars..	5.73	6.20	5.70	4.78	9.84	10.00	1.10
6	Total cost per acre-foot of water <sup>2</sup> .....dollars..	1.12	1.09	1.19	1.26	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Enterprises by cost per acre:</b>								
7	Less than \$1.00.....enterprises reporting..	350	52	146	152	27	23	4
8	.....acres irrigated..	47,251	4,031	20,261	22,959	540	415	125
9	\$1.00-\$1.99.....enterprises reporting..	45	4	25	16	7	7	.....
10	.....acres irrigated..	6,390	126	3,437	2,827	391	391	.....
11	\$2.00-\$4.99.....enterprises reporting..	142	31	99	13	20	20	.....
12	.....acres irrigated..	153,605	113,573	25,132	14,900	1,802	1,802	.....
13	\$5.00-\$9.99.....enterprises reporting..	170	59	101	11	29	29	.....
14	.....acres irrigated..	187,543	74,086	39,632	73,825	1,011	1,011	.....
15	\$10.00 and over.....enterprises reporting..	258	107	146	7	51	50	1
16	.....acres irrigated..	52,834	44,021	8,373	440	3,451	3,449	2
<b>Cost of water for primary irrigation:</b>								
17	Enterprises reporting.....enterprises..	867	229	463	179	134	129	5
18	Cost.....dollars..	2,301,590	1,352,677	430,839	518,074	70,785	70,645	140
19	Area supplied primary irrigation.....acres..	422,622	226,437	85,652	110,533	7,195	7,068	127
20	Cost per acre supplied.....dollars..	5.45	5.97	5.03	4.69	9.84	10.00	1.10
<b>Cost of water for supplemental irrigation:</b>								
21	Enterprises reporting.....enterprises..	156	39	91	29	.....	.....	.....
22	Cost.....dollars..	119,354	51,999	57,514	9,841	.....	.....	.....
23	Area supplied supplemental irrigation.....acres..	25,001	9,400	11,183	4,418	.....	.....	.....
24	Cost per acre supplied.....dollars..	4.77	5.53	5.14	2.23	.....	.....	.....
<b>Cost to farms for purposes other than operation and maintenance:<sup>4</sup></b>								
25	Enterprises reporting.....enterprises..	25	12	16	1	.....	.....	.....
26	Cost.....dollars..	475,972	385,373	64,665	25,934	.....	.....	.....
27	Area irrigated direct.....acres..	275,310	223,166	39,744	12,400	.....	.....	.....
28	Cost per acre irrigated.....dollars..	1.73	1.73	1.63	2.09	.....	.....	.....
<b>Arrearage in payments by farms, Jan. 1, 1950:<sup>4</sup></b>								
29	Enterprises reporting.....enterprises..	42	13	27	4	.....	.....	.....
30	Amount.....dollars..	132,433	41,415	24,078	66,940	.....	.....	.....
31	Area irrigated direct.....acres..	195,919	73,717	39,100	83,102	.....	.....	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>								
32	Single-farm enterprises.....enterprises..	826	239	430	157	133	128	5
33	Area irrigated.....acres..	39,037	9,240	15,645	14,152	5,493	5,366	127
34	Complete-system enterprises <sup>5</sup> .....enterprises..	520	98	276	146	131	126	5
35	Area irrigated.....acres..	27,904	4,296	10,317	13,291	5,386	5,259	127
<b>Other farms irrigated:</b>								
36	Enterprises reporting.....number..	27	8	7	12	6	6	.....
37	Number of other farms.....farms..	36	9	9	18	13	13	.....
38	Area irrigated in other farms.....acres..	1,239	76	200	963	115	115	.....
<b>Enterprises by origin of water supply:<sup>5</sup></b>								
39	No water from other enterprises.....enterprises reporting..	535	107	280	148	133	128	5
40	.....acres irrigated..	28,095	4,366	10,355	13,374	5,493	5,366	127
41	Part of water from other enterprises.....enterprises reporting..	29	3	22	4	.....	.....	.....
42	.....acres irrigated..	2,827	280	1,975	572	.....	.....	.....
43	All of water from other enterprises.....enterprises reporting..	262	129	128	5	.....	.....	.....
44	.....acres irrigated..	8,115	4,594	3,315	206	.....	.....	.....
<b>Enterprises by primary and supplemental irrigation:</b>								
45	All primary.....enterprises reporting..	697	205	361	131	132	127	5
46	.....acres irrigated..	32,116	8,177	12,418	11,521	5,493	5,366	127
47	Part primary, part supplemental.....enterprises reporting..	22	5	12	5	.....	.....	.....
48	Primary irrigation.....acres irrigated..	1,452	236	311	905	.....	.....	.....
49	Supplemental irrigation.....acres irrigated..	911	94	501	316	.....	.....	.....
50	All supplemental.....enterprises reporting..	93	21	53	19	.....	.....	.....
51	.....acres irrigated..	4,558	733	2,415	1,410	.....	.....	.....
<b>Enterprises by number of acres irrigated:<sup>5</sup></b>								
52	None.....enterprises reporting..	14	8	4	2	1	1	.....
53	1-9 acres.....enterprises reporting..	212	60	134	18	31	30	1
54	10-29 acres.....enterprises reporting..	229	66	131	32	55	53	2
55	30-59 acres.....enterprises reporting..	177	59	80	38	24	22	2
56	60-99 acres.....enterprises reporting..	92	25	45	22	9	9	.....
57	100-199 acres.....enterprises reporting..	69	15	28	26	10	10	.....
58	200-499 acres.....enterprises reporting..	29	6	7	16	2	2	.....
59	500-999 acres.....enterprises reporting..	3	.....	1	2	.....	.....	.....
60	1,000 acres or more.....enterprises reporting..	1	.....	.....	1	1	1	.....

<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. (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.

<sup>4</sup>Not reported by single-farm enterprises.

<sup>5</sup>For interbasin and interstate enterprises, number of enterprises represents characteristics of the entire enterprise, number of acres represents acreage within the drainage basin.



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

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

Item (For definitions and explanations, see text)	The State (North Pacific Coast) <sup>1</sup>	Excluding Columbia River (1-A)		
		Total <sup>1</sup>	Puget Sound (2)	Dugeness River (3)
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>				
1 Multiple-farm enterprises, total number <sup>2</sup> .....enterprises..	441	16	5	10
2 Area irrigated direct.....acres..	513,583	7,056	769	6,088
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	23	1	.....	1
4 Area irrigated direct.....acres..	71,421	257	.....	257
5 Complete-system enterprises <sup>2</sup> .....enterprises..	306	5	4	.....
6 Area irrigated direct.....acres..	113,963	278	253	.....
Enterprises by origin of water supply: <sup>2</sup>				
7 No water from other enterprises.....enterprises reporting..	376	16	5	10
8 acres irrigated.....	144,142	7,056	769	6,088
9 Part of water from other enterprises.....enterprises reporting..	13	.....	.....	.....
10 acres irrigated.....	170,555	.....	.....	.....
11 All water from other enterprises.....enterprises reporting..	52	.....	.....	.....
12 acres irrigated.....	198,886	.....	.....	.....
Enterprises by delivery of irrigation water: <sup>2</sup>				
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....
14 Water delivered direct to farms only.....enterprises reporting..	322	4	3	.....
15 acres irrigated.....	113,849	122	97	.....
16 Water delivered to farms and to other enterprises.....enterprises reporting..	113	12	2	10
17 acres irrigated.....	399,734	6,934	672	6,088
18 Water delivered to other enterprises only.....enterprises reporting..	6	.....	.....	.....
Enterprises by primary and supplemental irrigation: <sup>3</sup>				
19 All primary.....enterprises reporting..	326	10	5	4
20 acres irrigated.....	296,686	2,822	769	1,854
21 Part primary, part supplemental.....enterprises reporting..	100	5	.....	5
22 Primary irrigation.....acres irrigated..	184,593	2,835	.....	2,835
23 Supplemental irrigation.....acres irrigated..	29,177	899	.....	899
24 All supplemental.....enterprises reporting..	9	1	.....	1
25 acres irrigated.....	3,127	500	.....	500
Enterprises by number of farms irrigated direct: <sup>2</sup>				
26 None.....enterprises reporting..	6	.....	.....	.....
27 1-3.....enterprises reporting..	137	4	2	1
28 4-9.....enterprises reporting..	144	1	1	.....
29 10-29.....enterprises reporting..	79	6	1	5
30 30-99.....enterprises reporting..	47	5	1	4
31 100-299.....enterprises reporting..	17	.....	.....	.....
32 300-999.....enterprises reporting..	8	.....	.....	.....
33 1,000 or more.....enterprises reporting..	3	.....	.....	.....
Enterprises by acres irrigated direct: <sup>2</sup>				
34 None.....enterprises reporting..	6	.....	.....	.....
35 1-99 acres.....enterprises reporting..	182	5	3	1
36 100-999 acres.....enterprises reporting..	197	9	2	7
37 1,000-2,999 acres.....enterprises reporting..	30	2	.....	2
38 3,000-9,999 acres.....enterprises reporting..	20	.....	.....	.....
39 10,000-29,999 acres.....enterprises reporting..	2	.....	.....	.....
40 30,000 acres or more.....enterprises reporting..	4	.....	.....	.....
Quantities of water reported, 1949:				
41 Total obtained from all sources <sup>4</sup> .....enterprises reporting..	398	9	1	8
42 percent of all enterprises reporting..	8	1	(5)	6
43 acre-feet.....	5,277,580	68,752	86	68,666
44 Surface sources.....enterprises reporting..	333	9	1	8
45 acre-feet.....	3,314,919	66,232	86	66,146
46 Pumped wells.....enterprises reporting..	17	1	.....	1
47 acre-feet.....	24,864	2,520	.....	2,520
48 Other enterprises.....enterprises reporting..	64	.....	.....	.....
49 acre-feet.....	1,937,797	.....	.....	.....
50 Conveyance loss <sup>4</sup> .....enterprises reporting..	354	9	1	8
51 acre-feet.....	656,828	6,903	13	6,890
Delivered: <sup>4</sup>				
52 Direct to farms.....enterprises reporting..	392	9	1	8
53 acre-feet.....	2,479,273	34,856	56	34,800
54 To other enterprises.....enterprises reporting..	100	8	.....	8
55 acre-feet.....	2,012,537	24,500	.....	24,500
56 For use other than irrigation.....enterprises reporting..	46	8	1	7
57 acre-feet.....	128,942	2,493	17	2,476
Delivered direct to farms for primary irrigation: <sup>3</sup>				
58 Enterprises reporting.....enterprises..	384	8	1	7
59 Quantity delivered.....acre-feet..	2,331,272	27,310	56	26,183
60 Area supplied primary irrigation.....acres..	473,094	4,229	49	4,006
61 Quantity supplied per acre.....acre-feet..	4.9	6.5	1.1	6.5
Delivered direct to farms for supplemental irrigation: <sup>3</sup>				
62 Enterprises reporting.....enterprises..	99	5	.....	5
63 Quantity delivered.....acre-feet..	132,251	7,546	.....	7,546
64 Area supplied supplemental irrigation.....acres..	31,021	1,339	.....	1,339
65 Quantity supplied per acre.....acre-feet..	4.3	5.6	.....	5.6
66 Total quantity per irrigated acre <sup>5</sup> .....acre-feet..	5.2	6.8	1.1	7.3
Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>				
67 Cost for primary irrigation.....dollars..	2,971,585	11,666	0	10,458
68 Average cost per acre-foot.....dollars..	1.27	0.43	0.00	0.40
69 Cost for supplemental irrigation.....dollars..	163,180	2,063	.....	2,063
70 Average cost per acre-foot.....dollars..	1.23	0.27	.....	0.27
Measurement of water to farms, 1949: <sup>3</sup>				
71 No water measured.....enterprises reporting..	10	.....	.....	.....
72 acres irrigated.....	1,344	.....	.....	.....
73 Part of water measured.....enterprises reporting..	23	3	1	2
74 acres irrigated.....	18,147	1,273	516	757
75 All water measured.....enterprises reporting..	150	3	.....	3
76 acres irrigated.....	406,881	2,579	.....	2,579

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Columbia River, total	Columbia River below Snake River (I-B)				
		Total	Columbia River direct		Klickitat River (4)	Walla Walla River (8)
			Total	Below The Dalles, Oregon (1a)		
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>						
1 Multiple-farm enterprises, total number <sup>1</sup> .....enterprises..	425	97	11	11	5	81
2 Area irrigated direct.....acres..	506,527	29,055	5,163	5,163	8,428	15,464
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	22	3	.....	.....	.....	3
4 Area irrigated direct.....acres..	71,164	361	.....	.....	.....	361
5 Complete-system enterprises <sup>2</sup> .....enterprises..	301	78	11	11	5	62
6 Area irrigated direct.....acres..	113,685	21,370	5,163	5,163	8,428	7,779
<b>Enterprises by origin of water supply:<sup>2</sup></b>						
7 No water from other enterprises.....enterprises reporting..	360	97	11	11	5	81
8 acres irrigated.....acres..	137,086	29,055	5,163	5,163	8,428	15,464
9 Part of water from other enterprises.....enterprises reporting..	13	.....	.....	.....	.....	.....
10 acres irrigated.....acres..	170,555	.....	.....	.....	.....	.....
11 All water from other enterprises.....enterprises reporting..	52	.....	.....	.....	.....	.....
12 acres irrigated.....acres..	198,886	.....	.....	.....	.....	.....
<b>Enterprises by delivery of irrigation water:<sup>2</sup></b>						
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	.....
14 Water delivered direct to farms only.....enterprises reporting..	318	74	11	11	4	59
15 acres irrigated.....acres..	113,727	15,794	5,163	5,163	4,277	6,354
16 Water delivered to farms and to other enterprises.....enterprises reporting..	101	23	.....	.....	1	22
17 acres irrigated.....acres..	392,800	13,261	.....	.....	4,151	9,110
18 Water delivered to other enterprises only.....enterprises reporting..	6	.....	.....	.....	.....	.....
<b>Enterprises by primary and supplemental irrigation:<sup>3</sup></b>						
19 All primary.....enterprises reporting..	316	77	5	5	2	70
20 acres irrigated.....acres..	293,864	15,563	2,646	2,646	195	12,722
21 Part primary, part supplemental.....enterprises reporting..	95	20	6	6	3	11
22 Primary irrigation.....acres irrigated..	181,758	8,141	1,477	1,477	4,719	1,945
23 Supplemental irrigation.....acres irrigated..	28,278	5,351	1,040	1,040	3,514	797
24 All supplemental.....enterprises reporting..	8	.....	.....	.....	.....	.....
25 acres irrigated.....acres..	2,627	.....	.....	.....	.....	.....
<b>Enterprises by number of farms irrigated direct:<sup>2</sup></b>						
26 None.....enterprises reporting..	6	.....	.....	.....	.....	.....
27 1-3.....enterprises reporting..	133	29	2	2	1	26
28 4-9.....enterprises reporting..	143	50	6	6	2	42
29 10-29.....enterprises reporting..	73	12	3	3	.....	9
30 30-99.....enterprises reporting..	42	6	.....	.....	2	4
31 100-299.....enterprises reporting..	17	.....	.....	.....	.....	.....
32 300-999.....enterprises reporting..	8	.....	.....	.....	.....	.....
33 1,000 or more.....enterprises reporting..	3	.....	.....	.....	.....	.....
<b>Enterprises by acres irrigated direct:<sup>2</sup></b>						
34 None.....enterprises reporting..	6	.....	.....	.....	.....	.....
35 1-99 acres.....enterprises reporting..	177	48	1	1	1	46
36 100-999 acres.....enterprises reporting..	188	44	9	9	2	33
37 1,000-2,999 acres.....enterprises reporting..	28	1	1	1	.....	.....
38 3,000-9,999 acres.....enterprises reporting..	20	4	.....	.....	2	2
39 10,000-29,999 acres.....enterprises reporting..	2	.....	.....	.....	.....	.....
40 30,000 acres or more.....enterprises reporting..	4	.....	.....	.....	.....	.....
<b>Quantities of water reported, 1948:<sup>4</sup></b>						
41 Total obtained from all sources <sup>4</sup> .....enterprises reporting..	389	90	7	7	3	80
42 percent of all enterprises reporting..	10	13	3	4	10	19
43 Surface sources.....acres-foot..	5,208,828	209,891	36,892	36,892	50,527	122,472
44 Pumped wells.....acres-foot..	324	88	7	7	3	78
45 Other enterprises.....acres-foot..	3,248,687	209,334	36,892	36,892	50,527	121,915
46 Conveyance loss <sup>4</sup> .....acres-foot..	16	3	.....	.....	.....	3
47 Delivered: <sup>4</sup> .....acres-foot..	22,344	557	.....	.....	.....	557
48 Direct to farms.....acres-foot..	64	.....	.....	.....	.....	.....
49 To other enterprises.....acres-foot..	1,937,797	.....	.....	.....	.....	.....
50 For use other than irrigation.....acres-foot..	345	70	7	7	3	60
51 Delivered direct to farms for primary irrigation: <sup>3</sup> .....acres-foot..	649,925	36,803	10,361	10,361	10,317	16,125
52 Quantity delivered.....acres-foot..	383	90	7	7	3	80
53 To other enterprises.....acres-foot..	2,444,417	152,487	20,974	20,974	39,970	91,543
54 For use other than irrigation.....acres-foot..	92	22	.....	.....	1	21
55 Delivered direct to farms for supplemental irrigation: <sup>3</sup> .....acres-foot..	1,988,037	14,824	.....	.....	240	14,584
56 Quantity delivered.....acres-foot..	38	7	4	4	.....	3
57 To other enterprises.....acres-foot..	126,449	5,777	5,557	5,557	.....	220
58 Quantity delivered.....acres-foot..	376	90	7	7	3	80
59 Area supplied primary irrigation.....acres..	2,303,962	113,594	16,971	16,971	24,791	71,832
60 Quantity supplied per acre.....acres-foot..	468,865	22,634	3,296	3,296	4,719	14,619
61 Delivered direct to farms for supplemental irrigation: <sup>3</sup> .....acres-foot..	4.9	5.0	5.1	5.1	5.3	4.9
62 Quantity delivered.....acres-foot..	94	18	4	4	3	11
63 Area supplied supplemental irrigation.....acres..	124,705	22,908	4,003	4,003	15,179	3,726
64 Quantity supplied per acre.....acres-foot..	29,682	5,034	723	723	3,514	797
65 Total quantity per irrigated acre <sup>5</sup> .....acres-foot..	4.2	4.6	5.5	5.5	4.3	4.7
66 Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>6</sup> .....dollars..	5.2	5.6	5.8	5.9	7.9	5.1
67 Cost for primary irrigation.....dollars..	2,960,119	35,266	1,296	1,296	3,248	30,722
68 Average cost per acre-foot.....dollars..	1.28	0.31	0.08	0.08	0.13	0.43
69 Cost for supplemental irrigation.....dollars..	161,117	5,001	0	0	3,850	1,151
70 Average cost per acre-foot.....dollars..	1.29	0.22	0.00	0.00	0.25	0.31
<b>Measurement of water to farms, 1949:<sup>7</sup></b>						
71 No water measured.....acres irrigated..	10	3	.....	.....	.....	3
72 Part of water measured.....acres irrigated..	1,344	649	.....	.....	.....	649
73 All water measured.....acres irrigated..	20	4	.....	.....	.....	4
74 Part of water measured.....acres irrigated..	16,874	376	.....	.....	.....	376
75 All water measured.....acres irrigated..	147	35	.....	.....	.....	31
76 Part of water measured.....acres irrigated..	404,302	11,265	2,792	2,792	.....	8,473

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

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River excluding Yakima River (I-C)						
	Total <sup>1</sup>	Columbia River direct			Grand Coulee Area <sup>2</sup>	Wenatchee River	Lake Chelan
		Total <sup>1</sup>	Below Trinidad, Washington (1a)	Trinidad to Grand Coulee Dam (1b)			
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>							
1 Multiple-farm enterprises, total number <sup>2</sup> .....enterprises..	171	82	7	77	3	28	3
2 Area irrigated direct.....acres..	67,184	24,269	12,389	11,755	169	11,168	3,733
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	13	2	1	2	2	1	2
4 Area irrigated direct.....acres..	11,306	5,093	2,262	2,831	2	2,928	462
5 Complete-system enterprises <sup>2</sup> .....enterprises..	115	62	6	57	1	8	3
6 Area irrigated direct.....acres..	39,368	15,801	9,839	5,839	1	899	3,733
Enterprises by origin of water supply: <sup>2</sup>							
7 No water from other enterprises.....enterprises reporting..	139	74	6	70	3	14	3
8.....acres irrigated..	52,473	20,151	9,839	10,187	169	7,832	3,733
9 Part of water from other enterprises.....enterprises reporting..	4	2	1	2	1	1	1
10.....acres irrigated..	4,566	1,340	1	1,340	1	1,226	13
11 All water from other enterprises.....enterprises reporting..	39	6	1	5	1	13	1
12.....acres irrigated..	10,145	2,778	2,550	228	1	2,110	1
Enterprises by delivery of irrigation water: <sup>2</sup>							
13 No water delivered.....enterprises reporting..	124	61	5	56	1	15	2
14 Water delivered direct to farms only.....acres irrigated..	24,476	10,145	4,175	5,845	1	986	462
15 Water delivered to farms and to other enterprises.....enterprises reporting..	44	20	2	20	1	13	1
16.....acres irrigated..	42,708	14,124	8,214	5,910	169	10,182	3,271
17 Water delivered to other enterprises only.....enterprises reporting..	3	1	1	1	1	1	1
18 Enterprises by primary and supplemental irrigation: <sup>2</sup>							
19 All primary.....enterprises reporting..	125	62	6	57	1	19	3
20.....acres irrigated..	30,433	13,171	6,725	6,321	169	2,957	3,733
21 Part primary, part supplemental.....enterprises reporting..	39	18	1	18	1	8	1
22 Primary irrigation.....acres irrigated..	30,729	8,017	4,664	3,353	1	7,840	1
23 Supplemental irrigation.....acres irrigated..	5,887	2,971	1,000	1,971	1	361	1
24 All supplemental.....enterprises reporting..	3	1	1	1	1	1	1
25.....acres irrigated..	135	110	110	110	1	10	1
Enterprises by number of farms irrigated direct: <sup>2</sup>							
26 None.....enterprises reporting..	3	1	1	1	1	1	1
27 1-3.....enterprises reporting..	56	33	1	32	1	7	1
28 4-9.....enterprises reporting..	53	26	1	25	1	8	1
29 10-29.....enterprises reporting..	27	12	1	11	1	6	1
30 30-99.....enterprises reporting..	19	7	1	7	1	4	1
31 100-299.....enterprises reporting..	11	2	2	2	1	3	1
32 300-999.....enterprises reporting..	2	1	1	1	1	1	1
33 1,000 or more.....enterprises reporting..	1	1	1	1	1	1	1
Enterprises by acres irrigated direct: <sup>2</sup>							
34 None.....enterprises reporting..	3	1	1	1	1	1	1
35 1-99 acres.....enterprises reporting..	85	50	3	50	1	14	2
36 100-999 acres.....enterprises reporting..	66	27	3	24	1	11	1
37 1,000-2,999 acres.....enterprises reporting..	10	3	3	1	1	2	1
38 3,000-9,999 acres.....enterprises reporting..	7	1	1	1	1	1	1
39 10,000-29,999 acres.....enterprises reporting..	1	1	1	1	1	1	1
40 30,000 acres or more.....enterprises reporting..	1	1	1	1	1	1	1
Quantities of water reported, 1948: <sup>4</sup>							
41 Total obtained from all sources.....enterprises reporting..	148	73	6	69	3	27	3
42 percent of all enterprises reporting..	7	7	5	10	2	10	4
43 Surface sources.....enterprises reporting..	705,331	203,612	147,948	135,562	73,000	158,600	37,574
44.....acres-feet..	111	64	5	61	3	13	3
45 Pumped wells.....enterprises reporting..	558,521	192,585	139,948	132,535	73,000	131,872	37,574
46.....acres-feet..	11	4	4	4	1	1	1
47 Other enterprises.....enterprises reporting..	21,371	598	598	598	1	9	1
48.....acres-feet..	31	8	1	7	1	14	1
49 Conveyance loss <sup>4</sup> .....enterprises reporting..	125,439	10,429	8,000	2,429	1	26,719	1
50.....acres-feet..	143	72	6	68	2	24	3
51 Delivered: <sup>4</sup>	176,219	42,458	34,678	27,614	6,596	36,723	14,493
52 Direct to farms.....enterprises reporting..	145	73	6	68	2	27	3
53 To other enterprises.....acres-feet..	350,502	129,897	87,231	79,050	9,753	71,591	21,491
54 For use other than irrigation.....acres-feet..	38	16	1	17	2	12	1
55 Delivered direct to farms for primary irrigation: <sup>3</sup>	127,933	4,437	750	20,454	40,982	42,283	1,200
56.....acres-feet..	25	5	2	4	1	4	2
57 Delivered direct to farms for supplemental irrigation: <sup>3</sup>	50,677	26,820	25,289	8,444	15,669	8,003	390
58 Enterprises reporting.....enterprises..	141	71	6	67	1	26	3
59 Quantity delivered.....acres-feet..	315,331	124,664	74,475	49,432	1,098	53,733	21,491
60 Area supplied primary irrigation.....acres..	58,966	20,756	11,220	9,411	169	10,747	3,733
61 Quantity supplied per acre.....acres-feet..	5.3	6.0	6.6	5.3	6.5	5.0	5.8
62 Delivered direct to farms for supplemental irrigation: <sup>3</sup>							
63 Enterprises reporting.....enterprises..	40	19	1	19	1	9	1
64 Quantity delivered.....acres-feet..	32,285	19,668	9,870	9,798	1	1,688	1
65 Area supplied supplemental irrigation.....acres..	6,026	3,023	1,000	2,023	1	371	1
66 Quantity supplied per acre.....acres-feet..	5.4	6.5	9.9	4.8	4.5	4.5	5.8
67 Total quantity per irrigated acre <sup>6</sup> .....acres-feet..	5.7	6.5	7.6	5.8	6.5	5.2	5.8
Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>							
68 Cost for primary irrigation.....dollars..	755,337	191,601	91,424	99,785	0	135,028	150,633
69 Average cost per acre-foot.....dollars..	2.40	1.54	1.23	2.02	0.00	2.51	7.01
70 Cost for supplemental irrigation.....dollars..	65,404	27,518	8,749	18,769	3,937	3,937	1
Average cost per acre-foot.....dollars..	2.03	1.40	0.89	1.92	2.33	2.33	1
Measurement of water to farms, 1949: <sup>3</sup>							
71 No water measured.....enterprises reporting..	2	1	1	1	1	1	1
72.....acres irrigated..	79	55	2	55	1	1	1
73 Part of water measured.....enterprises reporting..	11	9	2	7	1	1	1
74.....acres irrigated..	3,843	3,262	2,262	1,000	74	1	1
75 All water measured.....enterprises reporting..	78	35	4	32	22	22	3
76.....acres irrigated..	41,403	15,022	9,418	5,604	7,314	3,733	3,733

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

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Columbia River above Snake River excluding Yakima River (I-C)			Yakima River (I-D)			
	Methow River	Okanogan River	Spokane River	Total	Below Union Gap	Union Gap to Umtanum	Above Umtanum
	(5)	(6)	(7)		(1)	(2)	(3)
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>							
1 Multiple-farm enterprises, total number <sup>2</sup> .....enterprises..	30	10	15	157	23	93	46
2 Area irrigated direct.....acres..	6,665	11,385	9,765	408,586	226,597	81,190	100,799
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	1	.....	6	5	.....	3	3
4 Area irrigated direct.....acres..	274	.....	2,549	57,802	.....	247	57,555
5 Complete-system enterprises <sup>2</sup> .....enterprises..	26	8	7	107	8	63	37
6 Area irrigated direct.....acres..	6,177	10,129	2,599	51,245	2,603	25,216	23,426
Enterprises by origin of water supply: <sup>2</sup>							
7 No water from other enterprises.....enterprises reporting..	28	10	7	124	8	75	42
8 acres irrigated.....	6,574	11,385	2,599	53,856	2,603	27,604	23,649
9 Part of water from other enterprises.....enterprises reporting..	.....	.....	1	9	2	7	2
10 acres irrigated.....	.....	.....	2,000	165,989	111,050	46,939	8,000
11 All water from other enterprises.....enterprises reporting..	2	.....	7	24	13	11	2
12 acres irrigated.....	91	.....	5,166	188,741	112,944	6,647	69,150
Enterprises by delivery of irrigation water: <sup>2</sup>							
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....
14 Water delivered direct to farms only.....enterprises reporting..	27	5	13	118	14	68	37
15 acres irrigated.....	4,995	93	7,765	71,755	13,790	25,456	32,509
16 Water delivered to farms and to other enterprises.....enterprises reporting..	3	5	1	36	9	23	7
17 acres irrigated.....	1,670	11,292	2,000	336,831	212,807	55,734	68,290
18 Water delivered to other enterprises only.....enterprises reporting..	.....	.....	1	3	.....	2	2
Enterprises by primary and supplemental irrigation: <sup>3</sup>							
19 All primary.....enterprises reporting..	24	6	10	112	9	65	39
20 acres irrigated.....	4,190	2,066	4,117	246,166	131,427	39,297	75,442
21 Part primary, part supplemental.....enterprises reporting..	6	4	3	36	10	25	4
22 Primary irrigation.....acres irrigated..	2,341	8,517	4,014	142,888	86,597	33,626	22,665
23 Supplemental irrigation.....acres irrigated..	134	787	1,634	17,040	7,592	7,766	1,682
24 All supplemental.....enterprises reporting..	1	.....	.....	5	3	1	1
25 acres irrigated.....	15	.....	.....	2,492	981	501	1,010
Enterprises by number of farms irrigated direct: <sup>2</sup>							
26 None.....enterprises reporting..	.....	.....	1	3	.....	2	2
27 1-3.....enterprises reporting..	12	4	.....	47	2	27	18
28 4-9.....enterprises reporting..	12	.....	2	40	1	25	14
29 10-29.....enterprises reporting..	4	.....	4	34	3	24	7
30 30-99.....enterprises reporting..	2	2	4	18	9	7	2
31 100-299.....enterprises reporting..	1	.....	4	6	4	1	2
32 300-999.....enterprises reporting..	1	.....	.....	6	1	5	1
33 1,000 or more.....enterprises reporting..	.....	.....	.....	3	3	2	.....
Enterprises by acres irrigated direct: <sup>2</sup>							
34 None.....enterprises reporting..	.....	.....	1	3	.....	2	2
35 1-99 acres.....enterprises reporting..	12	6	2	43	1	33	9
36 100-999 acres.....enterprises reporting..	17	.....	8	78	10	43	25
37 1,000-2,999 acres.....enterprises reporting..	1	2	3	16	4	7	5
38 3,000-9,999 acres.....enterprises reporting..	.....	2	1	11	5	4	3
39 10,000-29,999 acres.....enterprises reporting..	.....	.....	.....	2	.....	1	1
40 30,000 acres or more.....enterprises reporting..	.....	.....	.....	4	3	3	1
<b>Quantities of water reported, 1949:</b>							
41 Total obtained from all sources <sup>4</sup> .....enterprises reporting..	18	10	14	151	23	88	45
42 percent of all enterprises reporting..	19	4	10	15	9	17	22
43 acres irrigated.....	65,702	83,996	109,167	4,398,810	2,154,804	3,246,957	1,863,390
44 Surface sources.....enterprises reporting..	17	10	1	126	10	76	43
45 acres irrigated.....	64,818	83,996	996	2,586,071	848,006	2,316,477	1,508,940
46 Pumped wells.....enterprises reporting..	.....	.....	6	1	.....	.....	.....
47 acres irrigated.....	.....	.....	20,764	381	.....	381	.....
48 Other enterprises.....enterprises reporting..	1	.....	8	33	15	18	4
49 acres irrigated.....	884	.....	87,407	1,812,358	1,306,798	930,099	354,450
50 Conveyance loss <sup>4</sup> .....enterprises reporting..	18	10	14	133	19	77	41
51 acres irrigated.....	22,014	32,202	23,809	468,348	309,759	311,239	95,161
52 Delivered: <sup>4</sup>							
53 Direct to farms.....enterprises reporting..	18	10	13	148	23	86	43
54 acres irrigated.....	40,353	48,144	37,848	2,008,805	1,366,257	1,487,102	367,223
55 To other enterprises.....enterprises reporting..	1	5	1	34	9	21	8
56 acres irrigated.....	800	3,531	34,700	1,845,520	407,149	1,444,118	1,401,006
57 For use other than irrigation.....enterprises reporting..	4	1	9	6	2	4	.....
58 acres irrigated.....	2,535	119	12,810	76,137	71,639	4,498	.....
59 Delivered direct to farms for primary irrigation: <sup>3</sup>							
60 Enterprises reporting.....enterprises..	18	9	13	143	19	86	42
61 Quantity delivered.....acre-feet..	39,103	43,699	31,463	1,871,492	1,207,333	304,100	360,059
62 Area supplied primary irrigation.....acres..	4,877	10,573	8,081	385,563	218,024	71,088	96,451
63 Quantity supplied per acre.....acre-feet..	8.0	4.1	3.9	4.9	5.5	4.3	3.7
64 Delivered direct to farms for supplemental irrigation: <sup>3</sup>							
65 Enterprises reporting.....enterprises..	5	4	3	36	12	22	5
66 Quantity delivered.....acre-feet..	1,250	3,294	6,385	69,512	35,697	26,651	7,164
67 Area supplied supplemental irrigation.....acres..	136	812	1,684	18,622	8,573	7,657	2,392
68 Quantity supplied per acre.....acre-feet..	9.2	4.1	3.8	3.7	4.2	3.5	3.0
69 Total quantity per irrigated acre <sup>6</sup> .....acre-feet..	8.4	4.5	4.5	5.1	5.7	4.8	3.8
<b>Cost of water to farms for enterprises reporting quantity delivered, 1949:<sup>5</sup></b>							
70 Cost for primary irrigation.....dollars..	41,829	133,488	102,641	2,144,005	1,288,770	352,755	502,480
71 Average cost per acre-foot.....dollars..	1.07	3.05	3.26	1.15	1.07	1.16	1.40
72 Cost for supplemental irrigation.....dollars..	860	10,658	22,431	90,712	49,584	31,985	9,143
73 Average cost per acre-foot.....dollars..	0.69	3.24	3.51	1.30	1.39	1.20	1.28
<b>Measurement of water to farms, 1949:<sup>3</sup></b>							
74 No water measured.....enterprises reporting..	.....	1	.....	5	1	3	1
75 acres irrigated.....	.....	24	.....	616	32	520	64
76 Part of water measured.....enterprises reporting..	1	.....	1	5	.....	4	1
77 acres irrigated.....	351	.....	156	12,655	.....	255	12,400
78 All water measured.....enterprises reporting..	11	6	1	33	16	19	2
79 acres irrigated.....	3,985	11,303	46	349,932	224,313	64,869	60,750

<sup>1</sup> Data for less than 3 enterprises in Basins I-A-1, I-C-1c, I-C-8a, and I-E-1 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 or State. <sup>3</sup> For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State. <sup>4</sup> For interbasin and interstate enterprises, data represent characteristics of the entire enterprise. <sup>5</sup> Less than 0.5. <sup>6</sup> Calculated average quantity of water per acre for total irrigated land, all irrigation enterprises, primary and supplemental irrigation combined.

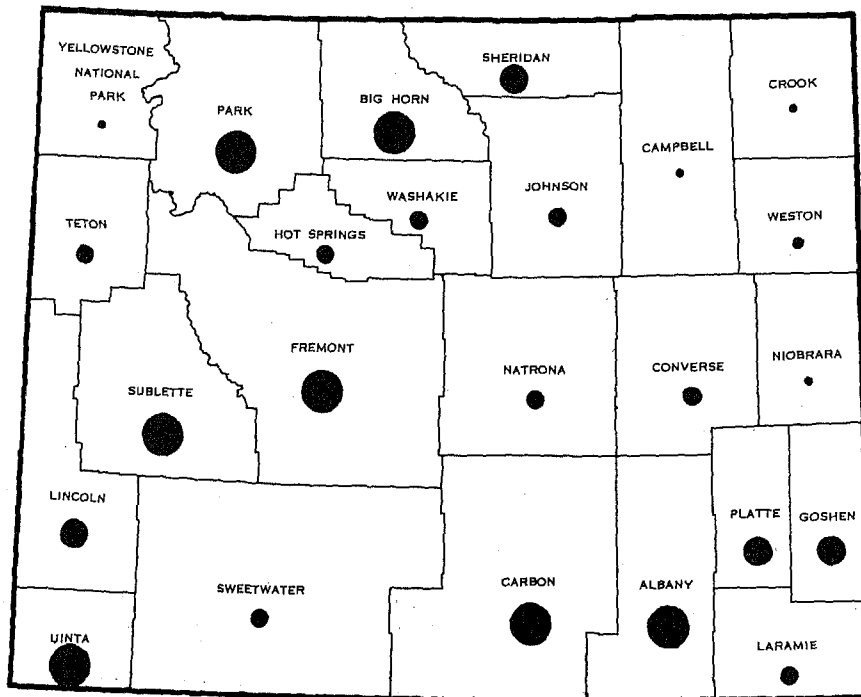
# IRRIGATION OF AGRICULTURAL LANDS

## WYOMING

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**LEGEND**

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

WYOMING: ACRES OF IRRIGATED LAND, BY COUNTIES, 1949

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 2</sup> (number)	Irrigated acreage reported by—		Irrigation enterprises (number)	Total capital investment in irrigation enterprises (dollars)
				Farms <sup>1</sup> (acres)	Irrigation enterprises (acres)		
1950.....	12,614	34,420,892	7,831	1,431,767	1,474,835	3,104	59,946,390
1945.....	13,076	33,116,554	7,793	1,353,873	(*)	(*)	(*)
1940.....	15,018	28,025,979	8,637	<sup>3</sup> 1,284,027	1,486,498	3,385	41,522,801
1935.....	17,487	28,161,911	7,868	<sup>4</sup> 773,930	(*)	(*)	(*)
1930.....	16,011	23,525,234	7,308	<sup>5</sup> 978,106	1,236,155	2,631	35,153,187
1920.....	15,740	11,809,351	6,449	(**)	1,207,982	3,564	34,326,328
1910.....	10,987	8,543,010	6,297	(**)	1,133,302	5,577	17,700,980
1900.....	6,095	8,124,536	3,721	605,878	(*)	(*)	3,473,165
1890.....	3,125	1,830,432	1,917	229,676	(*)	(*)	831,427

\*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, 1935 Census; and farms reporting irrigated crops, 1930, 1920, and 1910 Censuses.

<sup>3</sup>Irrigated land from which crops were harvested plus 264,374 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 (For definitions and explanations, see text)	Census of—			
	1950	1940	1930	1920
1 Enterprises.....total number..	3,104	3,385	2,631	3,564
2 Enterprises by type:				
Single-farm.....number..	2,411	3,142	2,431	(*)
Mutual:				
Unincorporated.....number..	538	86	176	(*)
Incorporated.....number..	120	107		(*)
Commercial.....number..	2	8	3	(*)
District.....number..	27	23	13	(*)
U.S. Bureau of Reclamation <sup>1</sup> .....number..	5	10	4	(*)
U.S. Bureau of Indian Affairs.....number..	1	2	1	(*)
State.....number..		1		(*)
City.....number..			3	(*)
Other.....number..			3	(*)
12 Irrigated land, total <sup>2</sup> .....acres..	1,474,835	1,486,498	1,236,155	1,207,982
13 Acreage irrigated, by type of enterprise: <sup>3</sup>				
Single-farm.....acres..	694,209	827,713	665,844	724,620
Mutual:				
Unincorporated.....acres..	275,597	86,752		
Incorporated.....acres..	241,211	<sup>4</sup> 352,722	303,086	286,702
Commercial.....acres..	( <sup>5</sup> )	10,931	51,460	57,800
District.....acres..	232,058	120,908	86,174	22,935
U.S. Bureau of Reclamation <sup>1</sup> .....acres..	59,634	154,051	85,886	53,555
U.S. Bureau of Indian Affairs.....acres..	627,000	23,681	21,636	22,000
State.....acres..		( <sup>4</sup> )		2,120
City.....acres..				2,020
Other.....acres..		3,241	22,069	36,230
23 Acreage irrigated, by source of water: <sup>3 7</sup>				
Streams (and lakes).....acres..	1,511,283	1,564,688	1,188,025	1,168,728
Springs.....acres..	58,558	23,515	6,289	5,985
Flowing wells.....acres..	19,043	459	140	19
Pumped wells.....acres..	20,282	5,658	317	547
Sewage.....acres..	1,560	( <sup>7</sup> )	65	
Other and not reported.....acres..	33,746	4,913	41,456	33,103
29 Irrigated land artificially drained.....acres..	239,196	175,394	147,346	68,086
30 Irrigated land in need of drainage.....acres..	45,189	44,997	34,077	75,183
31 Irrigation works:				
Diversion dams.....total number..	5,228	4,205	2,406	2,066
Reservoirs.....number..	458	334	214	374
Total capacity (reported).....acre-feet..	4,370,044	3,379,957	3,051,745	2,911,748
Reservoir dams.....total number..	458	319	212	301
Canals and ditches.....total length, miles..	9,822	11,762	10,775	12,051
Pipe lines.....total length, miles..	56	70	14	18
Flowing wells.....number..	98	36	6	7
Pumped wells.....number..	248	94	11	16
Average pumping lift (reported).....feet..	52	46	(*)	(*)
Pumps.....number..	651	230	65	70
Average pumping lift from all sources.....feet..	(*)	30	21	31
42 Capital investment, total.....dollars..	59,986,390	41,522,801	35,153,187	34,326,328
43 Capital investment by type of enterprise:				
Single-farm.....dollars..	10,279,743	7,819,522	5,410,053	8,738,886
Mutual:				
Unincorporated.....dollars..	<sup>9</sup> 999,605	<sup>5</sup> 531,806	4,786,271	6,701,990
Incorporated.....dollars..	7,474,854	7,239,250		
Commercial.....dollars..	( <sup>5</sup> )	2,980,102	2,299,870	780,562
District.....dollars..	5,646,247	5,249,158	2,615,006	1,441,312
U.S. Bureau of Reclamation <sup>1</sup> .....dollars..	29,672,540	15,411,395	17,589,985	12,063,870
U.S. Bureau of Indian Affairs.....dollars..	<sup>6</sup> 2,844,731	2,258,000	1,469,642	1,339,887
State.....dollars..	( <sup>4</sup> )	( <sup>4</sup> )		15,050
City.....dollars..				9,980
Other.....dollars..	33,568	33,568	982,360	2,434,791

\*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 "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" enterprises is included for each type of enterprise and for each source.

<sup>4</sup>Data for 1 "State" enterprise included with "Cooperative, unincorporated" enterprises in the 1940 Census.

<sup>5</sup>Data for less than 3 enterprises not shown separately.

<sup>6</sup>Data for less than 3 enterprises shown with permission of the enterprise.

<sup>7</sup>Data for 1940, 1930, and 1920 combined as follows: "Stored storm water" with "Streams and lakes"; "Other mixed" with "Other and not reported." For 1940, "City" and "Sewage" also included with "Other and not reported."

IRRIGATION OF AGRICULTURAL LANDS

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

CENSUSES OF 1950 AND 1940

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

Item (For definitions and explanations, see text)	Type of enterprise								
	All types	Single-farm	Mutual		District	U. S. Bureau of Reclamation		All or part of water from U. S. B. R. projects <sup>1 2</sup>	Commercial, Indian, State, city, and other
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users <sup>1</sup>		
<b>ENTERPRISES: FARMS AND LAND IRRIGATED</b>									
1 Number of enterprises.....enterprises 1950..	3,104	2,411	538	120	27	5	5	6	3
2 "....." 1940..	3,385	3,142	86	107	23	10	(*)	(*)	17
3 Farms irrigated direct per enterprise.....farms 1949..	3.2	1.0	4.0	17.0	83.6	119.0	209.0	28.6	122.3
4 Area irrigated direct.....acres 1949..	1,534,148	694,209	275,597	241,211	232,058	58,634	104,437	13,343	32,439
5 "....." 1939..	1,580,079	827,713	386,752	352,722	120,988	154,051	(*)	(*)	37,853
6 Average per enterprise.....acres 1949..	494	288	512	2,010	8,595	11,727	20,887	2,224	10,813
<b>CHARACTERISTICS OF ENTERPRISES, 1949</b>									
7 Multiple-purpose enterprises.....enterprises..	13	.....	4	3	1	5	1	.....	.....
8 Area irrigated direct.....acres..	130,127	.....	4,579	26,314	40,600	58,634	40,600	.....	.....
9 Complete-system enterprises.....enterprises..	2,492	2,030	369	76	14	2	.....	1	1
10 Area irrigated direct.....acres..	1,093,025	615,705	187,872	137,876	74,705	49,867	.....	201	27,000
Enterprises by origin of water supply:									
11 No water from other enterprises.....enterprises reporting..	2,626	2,053	443	103	19	5	.....	.....	3
12 "....." acres irrigated..	1,219,425	616,927	217,083	184,871	109,471	58,634	.....	.....	32,439
13 Part of water from other enterprises.....enterprises reporting..	179	101	59	15	4	2	.....	5	.....
14 "....." acres irrigated..	217,741	42,666	33,686	54,685	86,704	.....	71,654	10,243	.....
15 All water from other enterprises.....enterprises reporting..	299	257	36	2	4	3	.....	1	.....
16 "....." acres irrigated..	96,982	34,616	24,828	1,655	35,883	.....	32,783	3,100	.....
Enterprises by delivery of irrigation water:									
17 No water delivered.....enterprises reporting..	22	22	.....	.....	.....	.....	.....	.....	.....
18 Water delivered direct to farms only.....enterprises reporting..	2,915	2,388	433	76	16	1	3	5	1
19 "....." acres irrigated..	1,228,406	692,987	227,307	146,843	129,402	4,867	53,961	10,843	27,000
20 Water delivered to farms and to other enterprises.....enterprises reporting..	148	1	97	36	9	3	2	1	2
21 "....." acres irrigated..	305,742	1,222	48,290	94,368	102,656	53,767	50,476	2,500	5,439
22 Water delivered to other enterprises only.....enterprises reporting..	19	.....	8	8	2	1	.....	.....	.....
Enterprises by primary and supplemental irrigation: <sup>4</sup>									
23 All primary.....enterprises reporting..	2,794	2,229	453	92	17	1	5	5	2
24 "....." acres irrigated..	1,263,797	652,946	227,316	192,691	176,638	8,767	104,437	10,843	5,439
25 Part primary, part supplemental.....enterprises reporting..	92	14	49	18	8	2	.....	1	.....
26 Primary irrigation.....acres irrigated..	211,038	11,445	33,126	42,201	51,885	47,252	.....	2,182	25,129
27 Supplemental irrigation.....acres irrigated..	24,345	2,751	8,019	5,554	3,535	2,615	.....	318	1,871
28 All supplemental.....enterprises reporting..	175	146	28	1	.....	.....	.....	.....	.....
29 "....." acres irrigated..	34,968	27,067	7,136	765	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct:									
30 None.....enterprises reporting..	41	22	8	8	2	1	.....	.....	.....
31 1-3.....enterprises reporting..	2,748	2,386	350	12	.....	.....	.....	1	.....
32 4-9.....enterprises reporting..	177	3	136	36	1	1	.....	1	.....
33 10-29.....enterprises reporting..	94	.....	43	42	7	.....	.....	.....	2
34 30-99.....enterprises reporting..	29	.....	1	20	7	1	.....	3	.....
35 100-209.....enterprises reporting..	11	.....	.....	2	8	1	3	.....	.....
36 300-999.....enterprises reporting..	3	.....	.....	.....	1	1	.....	1	.....
37 1,000 or more.....enterprises reporting..	1	.....	.....	.....	1	1	.....	.....	.....
Enterprises by acres irrigated direct:									
38 None.....enterprises reporting..	41	22	8	8	2	1	.....	.....	.....
39 1-29.....enterprises reporting..	393	383	10	.....	.....	.....	.....	.....	.....
40 30-99.....enterprises reporting..	784	716	61	7	.....	.....	.....	.....	.....
41 100-499.....enterprises reporting..	1,261	956	288	16	.....	1	.....	1	.....
42 500-999.....enterprises reporting..	309	180	103	25	1	.....	.....	1	.....
43 1,000-2,999.....enterprises reporting..	241	131	64	40	5	.....	.....	2	.....
44 3,000-9,999.....enterprises reporting..	56	20	4	19	10	2	.....	2	1
45 10,000-29,999.....enterprises reporting..	15	3	.....	5	6	2	.....	2	1
46 30,000 or more.....enterprises reporting..	4	.....	.....	.....	3	1	.....	3	.....
<b>USE OF SURFACE, GROUND, PUMPED AND STORED WATER, 1949</b>									
Surface water:									
47 Gravity only.....enterprises reporting..	2,644	1,961	533	117	26	4	5	6	3
48 "....." acres irrigated..	1,483,488	650,411	273,485	239,144	229,375	58,634	104,437	13,343	32,439
49 Pumped only.....enterprises reporting..	266	261	3	1	1	.....	.....	.....	.....
50 "....." acres irrigated..	18,199	15,236	210	70	2,683	.....	.....	.....	.....
51 Gravity and pumped.....enterprises reporting..	45	42	2	1	.....	.....	.....	.....	.....
52 "....." acres irrigated..	12,179	8,921	1,902	1,356	.....	.....	.....	.....	.....
53 Ground water only (pumped from wells).....enterprises reporting..	110	110	.....	.....	.....	.....	.....	.....	.....
54 "....." acres irrigated..	9,438	9,438	.....	.....	.....	.....	.....	.....	.....
55 Surface (gravity or pumped) and ground.....enterprises reporting..	39	37	.....	1	.....	1	.....	.....	.....
56 "....." acres irrigated..	10,844	10,203	.....	641	.....	.....	.....	.....	.....
Stored water:									
57 None stored.....enterprises reporting..	2,577	2,010	469	85	12	.....	.....	1	1
58 "....." acres irrigated..	1,009,870	566,992	217,897	152,873	68,760	.....	.....	823	3,348
59 Part stored.....enterprises reporting..	287	199	46	24	12	4	5	5	2
60 "....." acres irrigated..	458,858	108,436	30,751	82,515	154,298	53,767	104,437	12,520	29,091
61 All stored.....enterprises reporting..	240	202	23	11	3	1	.....	.....	.....
62 "....." acres irrigated..	65,420	18,781	26,949	5,823	9,000	4,867	.....	.....	.....

\* Not available.

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

<sup>2</sup> Single-farm, enterprises receiving water from Bureau of Reclamation not included.

<sup>3</sup> Data for 1 "State" enterprise included with "Mutual, unincorporated" enterprises in the 1940 Census.

<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.]

Item (For definitions and explanations, see text)	Type of enterprise								All or part of water from U.S.B.R. projects <sup>1 2</sup>	Commercial, Indian, State, city, and other
	All types	Single- farm	Mutual		District	U.S. Bureau of Reclamation				
			Unincor- porated	Incor- porated		Operated by Bureau	Operated by water users <sup>1</sup>			
<b>SOURCES OF SURFACE WATER, 1949<sup>3</sup></b>										
1 Streams (and lakes).....enterprises reporting..	2,858	2,184	519	120	27	5	5	6	3	
2 .....acres irrigated..	1,511,283	675,698	271,243	241,211	232,058	58,634	104,437	13,343	32,439	
3 Springs.....enterprises reporting..	166	159	7	.....	.....	.....	.....	.....	.....	
4 .....acres irrigated..	58,558	53,304	5,254	.....	.....	.....	.....	.....	.....	
5 Flowing wells.....enterprises reporting..	53	34	19	.....	.....	.....	.....	.....	.....	
6 .....acres irrigated..	19,043	14,140	4,903	.....	.....	.....	.....	.....	.....	
7 Drainage water.....enterprises reporting..	63	59	1	3	.....	.....	.....	.....	.....	
8 .....acres irrigated..	33,746	19,144	1,550	13,052	.....	.....	.....	.....	.....	
9 Sewage.....enterprises reporting..	3	3	.....	.....	.....	.....	.....	.....	.....	
10 .....acres irrigated..	1,560	1,560	.....	.....	.....	.....	.....	.....	.....	
11 Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	
12 .....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	
<b>DRAINAGE OF IRRIGATED LAND, 1949</b>										
Irrigated land drained:										
13 Enterprises reporting.....enterprises..	170	84	39	28	17	1	4	1	1	
14 Area supplied primary irrigation.....acres..	438,993	54,623	36,286	101,644	185,723	42,545	94,561	3,100	18,172	
15 Area artificially drained.....acres..	239,196	7,578	4,630	48,960	130,653	42,545	94,561	2,000	4,830	
Irrigated land in need of drainage:										
16 Enterprises reporting.....enterprises..	367	249	82	26	7	.....	.....	.....	3	
17 Area supplied primary irrigation.....acres..	374,158	140,938	51,036	70,559	81,057	.....	40,600	.....	30,568	
18 Area in need of drainage.....acres..	45,189	17,598	8,821	11,210	4,060	.....	1,200	.....	3,500	
<b>IRRIGATION WORKS, 1950</b>										
19 Diversion dams.....enterprises reporting..	2,466	1,839	500	99	22	3	4	5	3	
20 .....dams..	5,228	4,418	626	141	30	3	5	5	10	
Diversion dams by material:										
21 Concrete or masonry.....dams..	516	347	89	58	17	2	2	3	3	
22 Timber.....dams..	771	617	137	14	2	1	1	1	.....	
23 Earth and rock.....dams..	3,420	2,999	365	45	8	.....	.....	.....	3	
24 Other, mixed, and not reported.....dams..	521	455	35	24	3	.....	.....	.....	4	
25 Reservoirs.....enterprises reporting..	303	260	13	16	9	5	2	.....	.....	
26 .....reservoirs..	458	393	19	22	12	9	2	.....	3	
27 Reservoirs for which capacity was reported.....number..	419	355	18	22	12	9	2	.....	3	
28 .....total capacity, acre-feet..	4,370,044	86,879	24,908	128,765	252,950	3,836,142	2,180	.....	40,400	
Reservoirs by capacity:										
29 1-99 acre-feet.....reservoirs..	216	206	7	3	.....	.....	.....	.....	.....	
30 100-999 acre-feet.....reservoirs..	145	131	9	4	.....	.....	.....	.....	.....	
31 1,000 acre-feet and over.....reservoirs..	58	18	2	15	11	9	1	.....	3	
Reservoir dams by material:										
32 Concrete or masonry.....dams..	16	9	.....	2	.....	4	.....	.....	1	
33 Earth and rock.....dams..	409	361	19	17	7	5	2	.....	2	
34 Other, mixed, and not reported.....dams..	33	23	.....	3	5	.....	.....	.....	.....	
35 Canals and ditches.....enterprises reporting..	2,116	1,435	536	114	25	3	5	6	2	
36 .....total length, miles..	9,822	3,768	1,863	1,255	1,553	763	785	72	621	
37 Pipelines and siphons.....enterprises reporting..	100	42	32	12	10	3	2	.....	1	
38 .....total length, miles..	56	21	6	3	12	14	9	.....	(4)	
39 Tunnels.....enterprises reporting..	20	.....	10	3	3	2	2	.....	1	
40 .....total length, feet..	46,874	.....	2,745	3,887	15,900	22,830	7,180	.....	1,512	
41 Flowing wells.....enterprises reporting..	53	34	19	.....	.....	.....	.....	.....	.....	
42 .....wells..	98	63	35	.....	.....	.....	.....	.....	.....	
43 Pumped wells.....enterprises reporting..	146	145	.....	1	.....	.....	.....	.....	.....	
44 .....wells..	248	245	.....	3	.....	.....	.....	.....	.....	
45 Wells for which pumping lift was reported.....wells..	242	239	.....	3	.....	.....	.....	.....	.....	
46 Average pumping lift.....feet..	52	52	.....	12	.....	.....	.....	.....	.....	
47 Irrigation pumps.....enterprises reporting..	456	449	4	2	1	.....	.....	.....	.....	
48 .....pumps..	651	641	4	4	2	.....	.....	.....	.....	
49 Electric motors used for pumping.....enterprises reporting..	197	194	1	1	1	.....	.....	.....	.....	
50 .....electric motors..	288	283	1	3	1	.....	.....	.....	.....	
51 Other motors and engines used for pumping.....enterprises reporting..	273	268	3	1	1	.....	.....	.....	.....	
52 .....other motors and engines..	327	322	3	1	1	.....	.....	.....	.....	
<b>SEASON OF IRRIGATION, 1949</b>										
53 Water delivered only before July 1.....enterprises reporting..	214	194	20	.....	.....	.....	.....	.....	.....	
54 .....acres irrigated..	41,845	37,828	4,017	.....	.....	.....	.....	.....	.....	
55 Water delivered before and after July 1.....enterprises reporting..	2,671	2,017	509	113	24	5	5	6	3	
56 .....acres irrigated..	1,428,391	633,247	267,894	237,856	198,321	58,634	104,437	13,343	32,439	
57 Water delivered only after July 1.....enterprises reporting..	118	111	2	5	.....	.....	.....	.....	.....	
58 .....acres irrigated..	10,860	6,254	1,336	3,270	.....	.....	.....	.....	.....	
<b>CAPITAL INVESTMENT, 1950 AND 1940</b>										
59 Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	41,522,801	7,819,522	531,806	7,239,250	5,249,158	15,411,395	(*)	(*)	5,271,670	
New capital investment Jan. 1, 1940 to Jan. 1, 1950:										
60 Enterprises reporting.....enterprises 1950..	1,551	1,207	270	54	14	4	2	1	2	
61 Amount.....dollars 1950..	18,463,589	2,460,221	467,799	235,604	397,089	14,261,145	78,207	1,900	641,731	
62 Area irrigated direct.....acres 1949..	742,384	330,439	143,085	106,840	73,038	58,634	22,907	823	30,348	
63 Total capital investment Jan. 1, 1950.....dollars 1950..	59,986,390	10,279,743	999,605	7,474,854	5,646,247	29,672,540	(*)	(*)	5,913,401	
<b>INDEBTEDNESS, 1950<sup>6</sup></b>										
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
64 Enterprises reporting.....enterprises..	43	.....	3	14	21	3	5	2	2	
65 Amount.....dollars..	24,538,973	.....	860	203,496	9,576,272	14,704,065	9,107,752	2,678	54,280	
66 Area irrigated direct.....acres..	307,998	.....	1,436	53,456	189,033	58,634	104,437	5,450	5,439	
Arrears in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
67 Enterprises reporting.....enterprises..	5	.....	1	1	3	.....	2	1	.....	
68 Amount.....dollars..	77,654	.....	228	73,685	3,741	.....	3,279	462	.....	
69 Area irrigated direct.....acres..	25,011	.....	271	3,159	21,581	.....	22,149	3,100	.....	

\* Not available.  
<sup>1</sup> These enterprises also included under "District" or other types of enterprises as the case may be.  
<sup>2</sup> Not including single-farm enterprises receiving water from Bureau of Reclamation projects.  
<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> Less than 0.5.  
<sup>5</sup> Data for 1 "State" enterprise included with "Mutual, unincorporated" enterprises in the 1940 Census.  
<sup>6</sup> Not reported by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Type of enterprise									
	All types	Single-farm	Mutual		District	U.S. Bureau of Reclamation		All or part of water from U.S.B.R. projects <sup>1</sup> 2	Commercial, Indian, State, city, and other	
			Unincorporated	Incorporated		Operated by Bureau	Operated by water users <sup>1</sup>			
<b>COST OF WATER TO FARMS, 1949<sup>3</sup></b>										
1 Total cost of water to farms:										
2 Enterprises reporting.....enterprises..	3,061	2,380	530	111	25	3	5	6	3	
3 Cost.....dollars..	1,695,932	324,050	172,196	288,550	659,311	201,204	435,944	18,089	50,621	
4 Area irrigated direct.....acres..	1,534,148	694,209	275,597	241,211	232,058	58,634	104,437	13,343	32,439	
5 Cost per acre irrigated direct.....dollars..	1.11	0.47	0.62	1.20	2.84	3.43	4.17	1.35	1.56	
6 Enterprises by cost per acre:										
7 Less than \$1.00.....enterprises reporting..	2,214	1,749	392	68	3			2	2	
8 acres irrigated..	977,024	620,232	208,725	123,020	19,608			4,570	5,439	
9 \$1.00-\$1.99.....enterprises reporting..	283	168	82	23	7	2		2	1	
10 acres irrigated..	249,917	34,005	51,643	69,124	54,511	13,634		3,323	27,000	
11 \$2.00-\$4.99.....enterprises reporting..	273	203	43	15	11	1	3	2		
12 acres irrigated..	238,020	23,784	12,491	45,491	111,254	45,000	62,799	5,450		
13 \$5.00-\$9.99.....enterprises reporting..	185	165	11	5	4		2			
14 acres irrigated..	65,130	12,276	2,593	3,576	46,685		41,638			
15 \$10.00 or more.....enterprises reporting..	106	104	2							
16 acres irrigated..	4,057	3,912	145							
17 Cost of water for primary irrigation:										
18 Enterprises reporting.....enterprises..	2,886	2,243	502	110	25	3	5	6	3	
19 Cost.....dollars..	1,648,935	311,931	162,326	282,648	653,460	191,369	435,944	17,764	47,201	
20 Area supplied primary irrigation.....acres..	1,474,835	664,391	260,442	234,892	228,523	56,019	104,437	13,025	30,568	
21 Cost per acre supplied.....dollars..	1.12	0.47	0.62	1.20	2.86	3.42	4.17	1.36	1.54	
22 Cost of water for supplemental irrigation:										
23 Enterprises reporting.....enterprises..	267	160	77	19	8	2		1	1	
24 Cost.....dollars..	46,997	12,119	9,870	5,902	5,851	9,835		325	3,420	
25 Area supplied supplemental irrigation.....acres..	59,313	29,818	15,155	6,319	3,535	2,615		318	1,871	
26 Cost per acre supplied.....dollars..	0.79	0.41	0.65	0.93	1.66	3.76		1.02	1.83	
27 Cost to farms for purposes other than operation and maintenance: <sup>4</sup>										
28 Enterprises reporting.....enterprises..	74		27	28	18	1	5	1		
29 Cost.....dollars..	416,709		27,844	26,911	259,598	102,356	213,738	543		
30 Area irrigated direct.....acres..	303,039		20,201	49,492	188,346	45,000	104,437	2,350		
31 Cost per acre irrigated.....dollars..	1.38		1.38	0.54	1.38	2.27	2.04	0.23		
32 Arrearage in payments by farms, Jan. 1, 1950: <sup>4</sup>										
33 Enterprises reporting.....enterprises..	30		7	18	2	1	2		2	
34 Amount.....dollars..	633,317		1,931	64,601	4,820	1,170	4,820		560,795	
35 Area irrigated direct.....acres..	192,543		4,906	61,813	50,476	45,000	50,476		30,348	
36 <b>QUANTITIES OF WATER REPORTED, 1949<sup>4</sup></b>										
37 Total obtained from all sources <sup>5</sup> .....enterprises reporting..	683		528	120	27	5	5	6	3	
38 acre-feet..	8,478,688		763,251	1,001,940	1,714,492	4,752,152	1,136,173	50,475	246,853	
39 Surface sources.....enterprises reporting..	640		492	118	22	5	1	5	3	
40 acre-feet..	7,288,296		669,198	953,787	667,640	4,750,818	105,320	33,757	246,853	
41 Pumped wells.....enterprises reporting..	2			1		1				
42 acre-feet..	1,834			500		1,334				
43 Other enterprises.....enterprises reporting..	118		93	17	8			6		
44 acre-feet..	1,188,558		94,053	47,653	1,046,852		1,030,853	16,718		
45 Conveyance loss <sup>5</sup> .....enterprises reporting..	656		508	115	25	5	5	6	3	
46 acre-feet..	1,654,100		133,689	196,891	569,546	675,640	456,151	16,783	78,334	
47 Delivered: <sup>5</sup>										
48 Direct to farms.....enterprises reporting..	668		524	112	25	4	5	6	3	
49 acre-feet..	2,405,796		577,521	679,584	848,491	139,293	504,584	33,512	160,907	
50 To other enterprises.....enterprises reporting..	158		97	44	11	4		1	2	
51 acre-feet..	3,972,444		51,019	120,199	290,729	3,502,885	175,438	180	7,612	
52 For use other than irrigation.....enterprises reporting..	19		4	10	2	3				
53 acre-feet..	446,348		1,022	5,266	5,726	434,334				
54 Delivered direct to farms for primary irrigation:										
55 Enterprises reporting.....enterprises..	637		496	110	25	3	5	6	3	
56 Quantity delivered.....acre-feet..	2,036,917		535,353	601,015	627,078	122,474	290,778	32,334	150,997	
57 Area supplied primary irrigation.....acres..	808,259		258,257	234,892	228,523	56,019	104,437	13,025	30,568	
58 Quantity per acre supplied.....acre-feet..	2.5		2.1	2.6	2.7	2.2	2.8	2.4	4.9	
59 Delivered direct to farms for supplemental irrigation:										
60 Enterprises reporting.....enterprises..	101		74	16	8	2		1	1	
61 Quantity delivered.....acre-feet..	74,842		35,835	13,871	9,607	5,619		1,178	9,910	
62 Area supplied supplemental irrigation.....acres..	28,769		14,678	6,070	3,535	2,615		318	1,871	
63 Quantity per acre supplied.....acre-feet..	2.6		2.4	2.3	2.7	2.1		3.7	5.3	
64 Cost of water to farms for enterprises reporting quantity delivered:										
65 Cost for primary irrigation.....dollars..	1,336,312		161,634	282,648	653,460	191,369	435,944	17,764	47,201	
66 Average cost per acre-foot.....dollars..	0.66		0.30	0.47	1.04	1.56	1.49	0.54	0.31	
67 Cost for supplemental irrigation.....dollars..	34,059		9,842	5,111	5,851	9,835		325	3,420	
68 Average cost per acre-foot.....dollars..	0.46		0.27	0.37	0.61	1.75		0.27	0.35	
69 Measurement of water to farms:										
70 No water measured.....enterprises reporting..	560		464	81	12			1	3	
71 acres..	425,305		223,723	116,253	52,890			201	32,439	
72 Part of water measured.....enterprises reporting..	72		42	20	10		3	3		
73 acres..	208,652		24,081	80,020	104,551		53,961	9,219		
74 All water measured.....enterprises reporting..	42		18	17	4	3	2	2		
75 acres..	183,960		17,711	41,339	66,276	58,634	50,476	3,923		

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

<sup>2</sup>Not including single-farm enterprises receiving water from Bureau of Reclamation projects.

<sup>3</sup>Enterprises with reported cost of \$0 in 1949 are included.

<sup>4</sup>Not reported by single-farm enterprises.

<sup>5</sup>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]

Item (For definitions and explanations, see text)	Total complete-system enterprises <sup>1</sup>	Type of water <sup>2</sup>				Acres irrigated <sup>2</sup>			
		Surface <sup>3</sup>		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
<b>ENTERPRISES: FARMS AND LAND IRRIGATED</b>									
1 Number of enterprises.....enterprises..	2,492	2,183	138	104	67	947	1,310	228	7
2 Farms irrigated direct per enterprise.....farms..	2.6	2.8	1.1	1.0	1.4	1.1	1.6	9.3	164.7
3 Area irrigated.....acres..	1,093,025	1,050,095	12,236	9,438	21,256	42,191	407,102	509,770	133,962
4 Average per enterprise.....acres..	439	481	89	91	317	45	311	2,236	19,137
<b>CHARACTERISTICS OF ENTERPRISES</b>									
5 Multiple-purpose enterprises.....enterprises..	7	7					2	4	1
6 Area irrigated.....acres..	62,285	62,285					482	16,893	45,000
<b>Type of enterprise:</b>									
7 Single-farm.....enterprises..	2,030	1,729	133	104	64	891	1,094	133	2
8 ..acres..	615,705	578,996	9,273	9,438	17,998	38,695	290,376	262,414	( <sup>4</sup> )
<b>Mutual:</b>									
9 Unincorporated.....enterprises..	369	364	3		2	50	277	42	
10 ..acres irrigated..	187,872	185,760	210		( <sup>4</sup> )	3,073	101,297	83,502	
11 Incorporated.....enterprises..	76	74	1		1	6	28	40	2
12 ..acres irrigated..	137,876	136,450	( <sup>4</sup> )		( <sup>4</sup> )	423	14,829	97,582	( <sup>4</sup> )
13 Commercial.....enterprises..									
14 ..acres irrigated..									
15 District.....enterprises..	14	13	1				1	12	1
16 ..acres irrigated..	74,705	72,022	( <sup>4</sup> )				( <sup>4</sup> )	61,405	( <sup>4</sup> )
17 U.S. Bureau of Reclamation <sup>5</sup> .....enterprises..	2	2						1	1
18 ..acres irrigated..	49,867	49,867						4,867	45,000
19 U.S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	1	1							1
20 ..acres irrigated..	27,000	27,000							27,000
21 State.....enterprises..									
22 ..acres irrigated..									
23 City.....enterprises..									
24 ..acres irrigated..									
<b>Enterprises by primary and supplemental irrigation:<sup>6</sup></b>									
25 All primary.....enterprises reporting..	2,282	2,009	128	83	62	889	1,190	200	3
26 ..acres irrigated..	887,378	850,853	8,935	7,520	20,070	39,764	372,160	436,192	39,262
27 Part primary, part supplemental.....enterprises reporting..	63	60	2		1	4	31	24	4
28 Primary irrigation.....acres irrigated..	157,773	155,035	2,688		50	105	8,940	61,226	87,502
29 Supplemental irrigation.....acres irrigated..	17,811	17,408	225		178	45	3,661	6,907	7,198
30 All supplemental.....enterprises reporting..	147	114	8	21	4	54	89	4	
31 ..acres irrigated..	30,063	26,799	388	1,918	958	2,277	22,341	5,445	
<b>Enterprises by number of farms irrigated:</b>									
32 1-3.....enterprises reporting..	2,291	1,985	137	104	65	939	1,203	147	2
33 4-9.....enterprises reporting..	121	120			6	40	25		
34 10-29.....enterprises reporting..	54	52	1		1	2	17	35	
35 30-99.....enterprises reporting..	19	19						18	1
36 100-299.....enterprises reporting..	5	5						3	2
37 300-999.....enterprises reporting..	2	2							2
38 1,000 and over.....enterprises reporting..									
<b>Enterprises by acreage irrigated:</b>									
39 1-29.....enterprises reporting..	312	223	52	34	3	312			
40 30-99.....enterprises reporting..	635	524	55	36	20	635			
41 100-499.....enterprises reporting..	1,067	974	29	32	32	1,067			
42 500-999.....enterprises reporting..	243	235	1	1	6	243			
43 1,000-2,999.....enterprises reporting..	186	178	1	1	6			186	
44 3,000-9,999.....enterprises reporting..	42	42						42	
45 10,000-29,999.....enterprises reporting..	6	6							6
46 30,000 and over.....enterprises reporting..	1	1							1
<b>USE OF SURFACE, GROUND, PUMPED AND STORED WATER</b>									
<b>Surface water:</b>									
47 Gravity only.....enterprises reporting..	2,183	2,183				747	1,209	220	7
48 ..acres irrigated..	1,050,095	1,050,095				34,826	384,176	497,131	133,962
49 Pumped only.....enterprises reporting..	138		138			107	30	1	
50 ..acres irrigated..	12,236		12,236			3,823	5,730	2,683	
51 Gravity and pumped.....enterprises reporting..	36				36	13	20	3	
52 ..acres irrigated..	11,846				11,846	672	6,318	4,856	
53 Ground water only (pumped from wells).....enterprises reporting..	104			104		79	33	1	
54 ..acres irrigated..	9,438			9,438		2,424	5,884	1,130	
55 Surface (gravity or pumped) and ground.....enterprises reporting..	31				31	10	18	3	
56 ..acres irrigated..	9,410				9,410	446	4,994	3,970	
<b>Stored water:</b>									
57 None stored.....enterprises reporting..	2,207	1,939	125	103	40	856	1,157	190	4
58 ..acres irrigated..	841,300	806,232	11,718	9,338	14,012	38,141	354,818	398,669	49,672
59 Part stored.....enterprises reporting..	101	164	4	1	22	36	122	30	3
60 ..acres irrigated..	211,281	204,493	214	100	6,474	1,839	44,318	80,834	84,290
61 All stored.....enterprises reporting..	94	80	9		5	55	31	8	
62 ..acres irrigated..	40,444	39,370	304		770	2,211	7,966	30,267	

<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 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>Data for less than 3 enterprises not shown separately.

<sup>5</sup>Data for less than 3 enterprises shown with permission of the enterprise.

<sup>6</sup>For interstate enterprises, data represent characteristics within the State.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Total complete-system enterprises <sup>1</sup>	Type of water <sup>2</sup>				Acres irrigated <sup>2</sup>			
		Surface <sup>3</sup>		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
<b>SOURCES OF SURFACE WATER<sup>4</sup></b>									
1 Streams (and lakes).....enterprises reporting..	2,267	2,080	130	.....	57	792	1,241	227	7
2 .....acres irrigated..	1,071,213	1,039,488	11,512	.....	20,213	36,760	391,851	508,640	133,962
3 Springs.....enterprises reporting..	146	136	2	.....	8	83	53	10	.....
4 .....acres irrigated..	50,321	48,410	232	.....	1,679	2,926	15,377	32,018	.....
5 Flowing wells.....enterprises reporting..	42	31	.....	.....	11	19	21	2	.....
6 .....acres irrigated..	17,792	16,614	.....	.....	1,178	754	6,390	10,648	.....
7 Drainage water.....enterprises reporting..	57	45	6	.....	6	23	26	7	.....
8 .....acres irrigated..	30,479	28,915	492	.....	1,072	1,013	6,115	11,759	11,592
9 Sewage.....enterprises reporting..	2	.....	.....	.....	.....	.....	.....	.....	.....
10 .....acres irrigated..	1,460	1,460	.....	.....	.....	60	.....	1,400	.....
11 Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
12 .....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>DRAINAGE OF IRRIGATED LAND</b>									
Irrigated land drained:									
13 Enterprises reporting.....enterprises..	119	108	5	1	5	18	64	33	4
14 Acreage supplied primary irrigation.....acres..	249,678	245,129	2,974	100	1,475	1,180	26,371	128,132	93,995
15 Acreage artificially drained.....acres..	107,261	106,489	471	81	220	642	5,353	36,441	64,825
Irrigated land in need of drainage:									
16 Enterprises reporting.....enterprises..	276	264	7	2	3	45	179	50	2
17 Acreage supplied primary irrigation.....acres..	119,406	114,161	3,324	194	1,727	2,238	63,761	16,035	37,372
18 Acreage in need of drainage.....acres..	26,959	26,536	278	80	65	622	9,436	13,201	3,700
<b>IRRIGATION WORKS</b>									
19 Diversion dams.....enterprises reporting..	2,076	2,002	27	.....	47	702	1,159	209	6
20 .....dams..	4,527	4,377	44	.....	106	1,113	2,623	761	30
Diversion dams by material:									
21 Concrete or masonry.....dams..	415	379	2	.....	34	53	227	127	8
22 Timber.....dams..	611	609	1	.....	1	124	350	135	2
23 Earth or rock.....dams..	3,053	2,945	41	.....	67	835	1,809	392	17
24 Other, mixed, and not reported.....dams..	448	444	.....	.....	4	101	237	107	3
25 Reservoirs.....enterprises reporting..	262	225	10	1	26	87	140	33	2
26 .....reservoirs..	391	341	10	2	38	112	218	51	10
27 Reservoirs for which capacity was reported.....reservoirs..	353	308	10	2	33	99	195	49	10
28 .....total capacity, acre-feet..	1,645,955	1,638,298	746	174	6,737	12,690	49,680	1,378,009	205,576
Reservoirs by capacity:									
29 1-99 acre-feet.....reservoirs..	194	165	7	1	21	74	110	6	4
30 100-999 acre-feet.....reservoirs..	123	108	3	1	11	22	75	25	1
31 1,000 acre-feet and over.....reservoirs..	36	35	.....	.....	1	3	10	18	5
Reservoir dams by material:									
32 Concrete or masonry.....dams..	13	11	.....	.....	2	2	7	4	.....
33 Earth or rock.....dams..	350	308	10	2	30	103	197	42	8
34 Other, mixed, and not reported.....dams..	28	22	.....	.....	6	7	14	5	2
35 Canals and ditches.....enterprises reporting..	1,678	1,592	45	7	34	498	975	198	7
36 .....total length, miles..	6,898	6,701	57	16	124	624	2,748	2,233	1,292
37 Pipelines and siphons.....enterprises reporting..	77	60	10	2	5	21	38	14	4
38 .....total length, miles..	45	40	2	1	3	5	19	5	15
39 Tunnels.....enterprises reporting..	12	12	.....	.....	.....	.....	6	5	1
40 .....total length, feet..	29,113	29,113	.....	.....	.....	.....	800	23,021	5,292
41 Flowing wells.....enterprises reporting..	47	36	.....	.....	11	20	23	4	.....
42 .....wells..	91	70	.....	.....	21	32	50	9	.....
43 Pumped wells.....enterprises reporting..	134	1	.....	104	29	79	51	4	.....
44 .....wells..	233	1	.....	161	71	102	106	25	.....
45 Wells for which pumping lift was reported.....wells..	228	.....	.....	158	70	99	104	25	.....
46 Average pumping lift.....feet..	52	.....	.....	53	49	46	54	70	.....
47 Irrigation pumps.....enterprises reporting..	305	6	132	104	63	198	102	5	.....
48 .....pumps..	456	8	173	163	112	253	171	32	.....
49 Electric motors used for pumping.....enterprises reporting..	126	3	37	65	21	66	55	5	.....
50 .....electric motors..	199	5	46	104	44	72	97	30	.....
51 Other motors and engines used for pumping.....enterprises reporting..	186	3	90	51	42	131	53	2	.....
52 .....other motors and engines..	230	3	108	59	60	165	63	2	.....
<b>SEASON OF IRRIGATION</b>									
Enterprises reporting and acreage irrigated:									
53 Water delivered only before July 1.....enterprises reporting..	189	163	18	1	7	108	74	7	.....
54 .....acres irrigated..	36,878	34,954	639	60	1,225	4,306	17,614	14,958	.....
55 Water delivered before and after July 1.....enterprises reporting..	2,164	1,940	93	77	54	755	1,189	213	7
56 .....acres irrigated..	1,029,347	995,156	7,690	7,953	18,548	35,111	379,262	481,012	133,962
57 Water delivered only after July 1.....enterprises reporting..	70	23	20	21	6	55	13	2	.....
58 .....acres irrigated..	6,863	3,704	500	1,176	1,483	1,513	3,693	1,657	.....
<b>NEW CAPITAL INVESTMENT</b>									
New capital investment Jan. 1, 1940 to Jan. 1, 1950:									
59 Enterprises reporting.....enterprises..	1,198	964	96	84	54	427	657	110	4
60 Amount.....dollars..	16,673,570	16,130,746	128,018	244,927	169,879	433,232	1,684,347	4,663,622	9,892,389
61 Area irrigated.....acres..	535,001	504,208	7,266	7,542	15,985	19,785	209,074	209,222	96,920
<b>INDEBTEDNESS<sup>5</sup></b>									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
62 Enterprises reporting.....enterprises..	25	23	1	.....	1	.....	6	16	3
63 Amount.....dollars..	8,126,584	8,101,834	21,000	.....	3,750	.....	36,296	3,101,423	4,988,865
64 Area irrigated.....acres..	130,868	126,829	2,683	.....	1,356	.....	2,941	56,777	71,150
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
65 Enterprises reporting.....enterprises..	2	2	.....	.....	.....	.....	1	1	.....
66 Amount.....dollars..	73,913	73,913	.....	.....	.....	.....	228	73,685	.....
67 Area irrigated.....acres..	3,430	3,430	.....	.....	.....	.....	271	3,159	.....

<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]

Item (For definitions and explanations, see text)	Total complete-system enterprises <sup>1</sup>	Type of water <sup>2</sup>				Acres irrigated <sup>2</sup>			
		Surface <sup>3</sup>		Ground (pumped wells)	Mixed	1 to 99	100 to 999	1,000 to 9,999	10,000 and over
		All gravity	All pumped						
<b>COST OF WATER TO FARMS<sup>4</sup></b>									
Total cost of water to farms:									
Enterprises reporting.....enterprises..	2,492	2,183	138	104	67	947	1,310	228	7
Cost.....dollars..	871,194	745,532	46,881	36,738	42,043	60,298	204,547	315,454	290,895
Area irrigated.....acres..	1,093,025	1,050,095	12,236	9,438	21,256	42,191	407,102	509,770	133,962
Cost per acre irrigated.....dollars..	0.80	0.71	3.83	3.89	1.98	1.43	0.50	0.62	2.17
Enterprises by cost per acre:									
Less than \$1.00.....enterprises reporting..	1,922	1,859	25	8	30	629	1,099	192	2
.....acres irrigated..	798,017	782,482	2,720	1,033	11,782	29,904	349,765	394,128	24,220
\$1.00-\$1.99.....enterprises reporting..	208	165	26	8	9	86	99	20	3
.....acres irrigated..	144,484	138,383	2,304	743	3,054	3,781	30,324	59,087	51,292
\$2.00-\$4.99.....enterprises reporting..	211	109	34	52	16	111	87	11	2
.....acres irrigated..	130,427	118,650	2,574	5,462	3,741	5,054	20,829	46,094	58,450
\$5.00-\$9.99.....enterprises reporting..	85	35	28	15	7	61	19	5	.....
.....acres irrigated..	17,505	9,872	4,156	1,858	1,619	2,284	4,760	10,461	.....
\$10.00 or more.....enterprises reporting..	66	15	25	21	5	60	6	.....	.....
.....acres irrigated..	2,592	708	482	342	1,060	1,168	1,424	.....	.....
Cost of water for primary irrigation:									
Enterprises reporting.....enterprises..	2,345	2,069	130	83	63	893	1,221	224	7
Cost.....dollars..	835,911	716,943	45,339	32,490	41,139	56,621	195,380	309,292	274,618
Area supplied primary irrigation.....acres..	1,045,151	1,005,888	11,623	7,320	20,120	39,869	381,100	497,418	126,764
Cost per acre supplied.....dollars..	0.80	0.71	3.90	4.32	2.04	1.42	0.51	0.62	2.17
Cost of water for supplemental irrigation:									
Enterprises reporting.....enterprises..	210	174	10	21	5	58	120	28	4
Cost.....dollars..	35,203	28,580	1,542	4,248	904	3,677	9,167	6,162	16,277
Area supplied supplemental irrigation.....acres..	47,874	44,207	613	1,918	1,136	2,322	26,002	12,352	7,198
Cost per acre supplied.....dollars..	0.74	0.65	2.52	2.21	0.80	1.58	0.35	0.50	2.26
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>									
Enterprises reporting.....enterprises..	38	38	.....	.....	.....	.....	13	23	2
Cost.....dollars..	157,452	157,452	.....	.....	.....	.....	4,950	48,242	104,252
Area irrigated.....acres..	133,383	133,383	.....	.....	.....	.....	7,331	68,352	57,700
Cost per acre irrigated.....dollars..	1.18	1.18	.....	.....	.....	.....	0.68	0.71	1.81
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>									
Enterprises reporting.....enterprises..	19	19	.....	.....	.....	1	4	12	2
Amount.....dollars..	619,864	619,864	.....	.....	.....	200	1,075	57,948	560,641
Area irrigated.....acres..	100,055	100,055	.....	.....	.....	61	1,493	26,501	72,000
<b>QUANTITIES OF WATER REPORTED<sup>5</sup></b>									
Total obtained from all sources <sup>6</sup> .....enterprises reporting..	460	452	5	.....	3	56	305	94	5
.....acre-feet..	1,862,464	1,852,601	3,827	.....	6,036	11,110	325,713	778,690	746,951
Surface sources.....enterprises reporting..	460	452	5	.....	3	56	305	94	5
.....acre-feet..	1,858,595	1,848,732	3,827	.....	6,036	11,110	324,498	777,870	745,117
Pumped wells.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....acre-feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other enterprises.....enterprises reporting..	14	14	.....	.....	.....	.....	11	2	1
.....acre-feet..	3,869	3,869	.....	.....	.....	.....	1,215	820	1,834
Conveyance loss <sup>6</sup> .....enterprises reporting..	438	431	4	.....	3	52	290	91	5
.....acre-feet..	437,402	436,036	662	.....	704	1,795	63,758	155,275	216,574
Delivered: <sup>6</sup>									
Direct to farms.....enterprises reporting..	460	452	5	.....	3	56	305	94	5
.....acre-feet..	1,282,670	1,274,210	3,165	.....	5,295	9,315	261,186	615,641	396,528
To other enterprises.....enterprises reporting..	29	28	.....	.....	1	.....	15	12	2
.....acre-feet..	5,065	5,028	.....	.....	37	.....	507	2,724	1,834
For use other than irrigation.....enterprises reporting..	10	10	.....	.....	.....	.....	2	7	1
.....acre-feet..	137,327	137,327	.....	.....	.....	.....	262	5,050	132,015
Delivered to farms for primary irrigation:									
Enterprises reporting.....enterprises..	435	427	5	.....	3	53	284	93	5
Quantity delivered.....acre-feet..	1,147,456	1,139,092	3,069	.....	5,295	6,747	237,215	530,580	372,914
Acreage supplied primary irrigation.....acres..	454,618	448,507	2,853	.....	3,258	3,260	107,615	241,199	102,544
Quantity per acre supplied.....acre-feet..	2.5	2.5	1.1	.....	1.6	2.1	2.2	2.2	3.6
Delivered to farms for supplemental irrigation:									
Enterprises reporting.....enterprises..	73	72	1	.....	.....	4	45	20	4
Quantity delivered.....acre-feet..	56,184	56,088	96	.....	.....	743	19,869	11,958	23,614
Acreage supplied supplemental irrigation.....acres..	21,041	20,931	110	.....	.....	236	8,811	4,796	7,198
Quantity per acre supplied.....acre-feet..	2.7	2.7	0.9	.....	.....	3.1	2.3	2.5	3.3
Cost of water to farms for enterprises reporting quantity delivered:									
Cost for primary irrigation.....dollars..	613,947	591,998	16,870	.....	5,079	4,682	64,429	271,718	273,118
Average cost per acre-foot.....dollars..	0.54	0.52	5.50	.....	0.96	0.69	0.27	0.51	0.73
Cost for supplemental irrigation.....dollars..	25,584	24,887	697	.....	.....	106	4,254	4,947	16,277
Average cost per acre-foot.....dollars..	0.46	0.44	7.26	.....	.....	0.14	0.21	0.41	0.69
Measurement of water to farms:									
No water measured.....enterprises reporting..	372	366	4	.....	2	52	254	64	2
.....acres..	276,680	274,498	280	.....	1,902	3,265	91,003	143,820	38,592
Part of water measured.....enterprises reporting..	50	48	1	.....	1	2	32	16	.....
.....acres..	74,844	70,805	2,683	.....	1,356	145	14,820	59,879	.....
All water measured.....enterprises reporting..	27	27	.....	.....	.....	1	13	10	3
.....acres..	108,304	108,304	.....	.....	.....	61	6,793	30,300	71,150

<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 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.

IRRIGATION OF AGRICULTURAL LANDS

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	Albany	Big Horn	Campbell	Carbon	Converse
1	Irrigated farms.....number 1950..	7,831	264	924	24	304	191
2	.....1945..	7,793	281	872	2	319	180
3	Proportion of all farms.....percent 1950..	62.1	74.0	97.3	4.1	82.0	50.4
4	Land in irrigated farms.....average per farm, acres 1950..	17,236,390	1,679,586	419,259	369,070	2,475,150	945,823
5	.....1945..	2,201.0	6,362.1	453.7	15,377.9	8,141.9	4,952.0
6	Value of land and buildings.....average per farm, dollars 1950..	34,455	59,566	18,877	152,335	68,735	68,573
7	.....1945..	16.43	9.14	40.58	11.69	9.37	11.57
8	Proportion of irrigated farms reporting value.....percent 1950..	88	86	89	88	89	72
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	84	88	91	74	80	86
<b>Land in irrigated farms according to use, 1949:</b>							
10	Cropland harvested.....farms reporting..	7,492	255	893	24	299	189
11	.....acres..	1,239,643	97,670	86,211	6,347	127,560	37,317
12	Cropland used only for pasture.....acres..	299,578	16,428	18,381	30	29,883	6,407
13	Cropland not harvested and not pastured.....acres..	117,869	769	11,618	456	5,910	1,002
14	Woodland pastured.....acres..	642,417	10,303	18,052	.....	47,901	71,481
15	Other pasture (not cropland and not woodland).....acres..	14,635,949	1,531,697	238,922	349,048	2,253,341	816,929
16	Land pastured, total.....farms reporting..	6,433	261	791	22	304	186
17	.....acres..	15,577,944	1,558,428	275,355	349,078	2,331,125	894,817
18	Irrigated land in farms.....acres 1949..	1,431,767	137,119	107,313	2,017	179,903	43,594
19	.....1944..	1,353,873	108,990	103,442	194	160,626	33,903
20	Land irrigated by sprinklers.....farms reporting 1949..	14	1	.....	.....	.....	.....
21	.....acres 1949..	581	2	.....	.....	.....	.....
<b>Irrigated land in farms according to use, 1949:</b>							
22	Irrigated cropland harvested.....farms reporting..	7,388	252	890	22	296	189
23	.....acres..	1,092,122	94,123	85,011	1,687	120,870	34,762
24	Irrigated pasture.....farms reporting..	3,906	99	594	6	158	71
25	.....acres..	325,925	42,945	19,379	283	58,595	8,815
26	Irrigated wild grass pasture.....farms reporting..	1,642	91	158	4	106	50
27	.....acres..	226,364	41,466	6,520	79	38,704	6,986
28	Irrigated tame grass pasture.....farms reporting..	2,574	13	497	3	66	30
29	.....acres..	99,561	1,479	12,859	204	19,891	1,829
30	Irrigated cropland not harvested and not pastured.....farms reporting..	604	2	172	1	6	4
31	.....acres..	13,720	51	2,923	47	438	17
<b>Irrigated farms by acres irrigated in 1949:</b>							
32	1-9 acres.....farms reporting..	515	23	40	2	4	6
33	10-19 acres.....farms reporting..	323	5	28	.....	6	8
34	20-29 acres.....farms reporting..	316	9	51	.....	6	5
35	30-49 acres.....farms reporting..	717	12	95	5	9	25
36	50-99 acres.....farms reporting..	2,029	21	282	8	37	46
37	100-199 acres.....farms reporting..	2,238	52	325	6	57	40
38	200 acres and over.....farms reporting..	1,693	142	103	3	185	61
<b>Irrigated farms by tenure of operator, 1950:</b>							
39	Full owners.....number..	3,947	80	564	3	135	76
40	Part owners.....number..	2,273	156	175	15	117	84
41	Managers.....number..	145	8	10	2	25	9
42	Tenants.....number..	1,466	20	175	4	27	22
<b>Land in wholly and in partly irrigated farms:</b>							
43	Wholly irrigated farms.....number 1950..	5,884	211	857	.....	271	133
44	All land.....acres 1950..	11,955,635	1,297,083	396,126	.....	2,230,991	780,859
45	Cropland harvested.....acres 1949..	926,598	89,011	81,168	.....	114,104	30,230
46	Irrigated land.....acres 1949..	1,214,631	128,877	101,265	.....	170,786	37,942
47	Partly irrigated farms.....number 1950..	1,947	53	67	24	33	58
48	All land.....acres 1950..	5,280,755	382,503	23,133	369,070	244,159	164,964
49	Cropland harvested, total.....farms reporting 1949..	1,608	44	36	24	56	56
50	.....acres 1949..	313,045	8,659	5,043	6,347	13,456	7,087
51	Irrigated land.....acres 1949..	217,136	8,242	6,048	2,017	9,117	5,652
52	Irrigated cropland harvested.....farms reporting 1949..	1,504	41	33	22	25	56
53	.....acres 1949..	165,524	5,112	3,843	1,687	6,766	4,532
<b>Characteristics of wholly irrigated and nonirrigated farms:</b>							
54	Wholly irrigated farms.....number 1950..	5,884	211	857	.....	271	133
55	Average acreage per farm:	.....	.....	.....	.....	.....	.....
56	All land.....acres 1949..	2,031.9	6,147.3	462.2	.....	8,232.4	5,871.1
57	Cropland harvested.....acres 1949..	157.5	421.9	94.7	.....	421.0	227.3
58	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	0.1	( <sup>2</sup> )	0.1	.....	( <sup>2</sup> )	( <sup>2</sup> )
59	Vegetables harvested for sale.....acres 1949..	0.2	( <sup>2</sup> )	0.8	.....	( <sup>2</sup> )	0.1
60	Small grains (including sorghums).....acres 1949..	25.8	4.2	29.0	.....	16.9	35.1
61	All hay.....acres 1949..	110.8	419.8	32.5	.....	404.2	182.8
<b>Farms by tenure of operator:</b>							
62	Full owners and managers.....number 1950..	3,120	71	526	.....	144	62
63	Part owners.....number 1950..	1,616	121	166	.....	102	55
64	Tenants.....number 1950..	1,148	19	165	.....	25	16
65	Value of land and buildings per farm.....dollars 1950..	32,692	60,892	18,627	.....	70,871	85,829
<b>Nonirrigated farms:</b>							
66	.....number 1950..	4,783	94	26	560	67	188
67	Average acreage per farm:	.....	.....	.....	.....	.....	.....
68	All land.....acres 1949..	3,537.7	1,407.2	386.2	4,867.2	12,256.4	7,450.5
69	Cropland harvested.....acres 1949..	138.2	14.7	2.2	157.4	33.8	98.3
70	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	( <sup>2</sup> )	.....	( <sup>2</sup> )	( <sup>2</sup> )	.....	( <sup>2</sup> )
71	Vegetables harvested for sale.....acres 1949..	( <sup>2</sup> )	.....	.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
72	Small grains (including sorghums).....acres 1949..	79.3	1.4	0.8	75.4	22.9	27.4
73	All hay.....acres 1949..	50.5	12.3	1.3	70.7	10.7	58.2
<b>Farms by tenure of operator:</b>							
74	Full owners and managers.....number 1950..	2,130	65	15	185	42	47
75	Part owners.....number 1950..	1,976	20	5	316	16	121
76	Tenants.....number 1950..	677	9	6	59	9	20
77	Value of land and buildings per farm.....dollars 1950..	31,336	11,474	10,294	43,987	42,950	67,921
<b>Irrigated farms and irrigated land by origin of water, 1949:</b>							
<b>Individually operated supply works and—</b>							
78	No other irrigation enterprise.....farms reporting..	1,749	172	27	24	164	84
79	.....acres irrigated..	532,854	99,884	5,176	2,017	94,743	20,838
80	1 other irrigation enterprise.....farms reporting..	504	13	13	.....	36	26
81	.....acres irrigated..	166,925	12,633	2,175	.....	22,244	10,704
82	2 or more other irrigation enterprises.....farms reporting..	110	7	8	.....	31	9
83	.....acres irrigated..	72,248	7,589	4,483	.....	38,061	2,704
<b>No individually operated supply works but—</b>							
84	1 other irrigation enterprise.....farms reporting..	4,943	63	798	.....	57	67
85	.....acres irrigated..	534,258	11,901	83,000	.....	13,195	8,596
86	2 or more other irrigation enterprises.....farms reporting..	525	9	78	.....	16	5
87	.....acres irrigated..	125,482	5,112	12,479	.....	11,660	752

See footnotes 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)		Crook	Fremont	Goshen	Hot Springs	Johnson	Laramie
1	Irrigated farms.....number 1950..	20	1,194	794	155	220	115
2	.....number 1945..	17	1,232	714	181	227	71
3	Proportion of all farms.....Percent 1950..	3.2	91.0	64.1	78.0	65.3	14.5
4	Land in irrigated farms.....acres 1950..	93,661	1,209,082	520,599	725,763	989,094	1,295,032
5	.....average per farm, acres 1950..	4,683.1	1,012.6	655.7	4,682.3	4,495.9	11,261.1
6	Value of land and buildings.....average per farm, dollars 1950..	58,536	15,677	24,997	51,284	56,735	114,469
7	.....average per acre, dollars 1950..	13.35	19.15	44.61	9.95	11.63	8.34
8	Proportion of irrigated farms reporting value.....percent 1950..	90	86	92	86	77	73
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	84	69	79	94	84	89
Land in irrigated farms according to use, 1949:							
10	Cropland harvested.....farms reporting..	20	1,110	775	153	210	115
11	.....acres 1949..	6,266	101,652	106,983	19,557	35,766	47,203
12	Cropland used only for pasture.....acres 1949..	1,157	23,876	3,391	4,050	8,044	3,622
13	Cropland not harvested and not pastured.....acres 1949..	1,967	9,887	18,621	1,475	2,516	7,740
14	Woodland pastured.....acres 1949..	13,024	91,992	3,445	43,525	5,524	2,122
15	Other pasture (not cropland and not woodland).....acres 1949..	69,259	945,470	371,628	653,245	927,062	1,227,210
16	Land pastured, total.....farms reporting..	20	392	125	169	229	129
17	.....acres 1949..	83,440	1,061,338	378,464	700,820	940,630	1,232,954
18	Irrigated land in farms.....acres 1949..	1,602	133,886	89,151	20,633	39,942	31,823
19	.....acres 1944..	5,607	124,302	73,333	21,663	45,175	23,947
20	Land irrigated by sprinklers.....farms reporting 1949..	1	2	.....	.....	.....	5
21	.....acres 1949..	25	193	197	.....	.....	157
Irrigated land in farms according to use, 1949:							
22	Irrigated cropland harvested.....farms reporting..	20	1,101	765	152	209	108
23	.....acres 1949..	1,538	100,414	79,839	18,486	31,682	30,310
24	Irrigated pasture.....farms reporting..	2	688	224	98	98	12
25	.....acres 1949..	64	30,968	8,237	1,861	7,788	1,435
26	Irrigated wild grass pasture.....farms reporting..	1	214	107	26	62	9
27	.....acres 1949..	10	13,521	5,797	1,103	4,859	1,360
28	Irrigated tame grass pasture.....farms reporting..	1	531	130	35	47	4
29	.....acres 1949..	54	17,447	2,440	758	2,929	75
30	Irrigated cropland not harvested and not pastured.....farms reporting..	1	113	66	8	8	2
31	.....acres 1949..	.....	2,504	1,075	286	472	78
Irrigated farms by acres irrigated in 1949:							
32	1-9 acres.....farms reporting..	1	74	52	7	12	1
33	10-19 acres.....farms reporting..	2	79	17	5	6	6
34	20-29 acres.....farms reporting..	3	64	24	6	6	10
35	30-49 acres.....farms reporting..	4	123	62	13	18	13
36	50-99 acres.....farms reporting..	5	341	257	59	47	19
37	100-199 acres.....farms reporting..	4	355	303	44	70	20
38	200 acres and over.....farms reporting..	1	158	79	21	61	46
Irrigated farms by tenure of operator, 1950:							
39	Full owners.....number..	4	614	277	77	78	29
40	Part owners.....number..	15	369	173	42	107	60
41	Managers.....number..	.....	16	5	5	8	8
42	Tenants.....number..	1	195	339	31	27	18
Land in wholly and in partly irrigated farms:							
43	Wholly irrigated farms.....number 1950..	.....	1,059	503	131	172	38
44	.....acres 1950..	.....	971,977	150,144	332,811	756,106	744,411
45	Cropland harvested.....acres 1949..	.....	95,928	53,098	14,380	26,457	16,874
46	Irrigated land.....acres 1949..	.....	123,792	58,729	15,981	33,565	16,924
47	Partly irrigated farms.....number 1950..	20	135	291	24	48	77
48	.....acres 1950..	93,661	237,105	370,455	392,952	232,988	530,621
49	Cropland harvested, total.....farms reporting 1949..	20	51	272	22	38	77
50	.....acres 1949..	6,266	5,724	53,885	5,177	9,309	30,329
51	Irrigated land.....acres 1949..	1,602	10,094	30,422	4,652	6,377	14,899
52	Irrigated cropland harvested.....farms reporting 1949..	20	42	262	21	37	70
53	.....acres 1949..	1,538	4,486	26,741	4,106	5,225	13,436
Characteristics of wholly irrigated and nonirrigated farms:							
54	Wholly irrigated farms.....number 1950..	.....	1,059	503	131	172	38
55	Average acreage per farm: All land.....acres 1949..	.....	917.8	298.5	2,540.5	4,396.0	20,116.1
56	Cropland harvested.....acres 1949..	.....	90.6	105.6	109.8	153.8	444.1
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	.....
58	Vegetables harvested for sale.....acres 1949..	.....	( <sup>2</sup> )	( <sup>2</sup> )	0.1	( <sup>2</sup> )	.....
59	Small grains (including sorghums).....acres 1949..	.....	26.8	23.8	29.1	41.9	17.0
60	All hay.....acres 1949..	.....	45.0	39.2	75.1	110.4	387.9
61	Farms by tenure of operator: Full owners and managers.....number 1950..	.....	548	195	70	69	10
62	Part owners.....number 1950..	.....	334	70	37	83	18
63	Tenants.....number 1950..	.....	177	238	24	20	10
64	Value of land and buildings per farm.....dollars 1950..	.....	15,849	22,507	45,804	56,180	165,385
65	Nonirrigated farms.....number 1950..	607	138	445	44	117	678
66	Average acreage per farm: All land.....acres 1949..	2,357.7	15,007.2	1,167.0	3,540.9	8,504.3	1,227.4
67	Cropland harvested.....acres 1949..	167.0	14.0	214.1	15.1	88.4	211.7
68	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
69	Vegetables harvested for sale.....acres 1949..	( <sup>2</sup> )	0.1	( <sup>2</sup> )	.....	.....	( <sup>2</sup> )
70	Small grains (including sorghums).....acres 1949..	72.9	3.1	152.3	0.8	38.1	161.7
71	All hay.....acres 1949..	87.2	5.0	55.7	11.9	47.2	25.7
72	Farms by tenure of operator: Full owners and managers.....number 1950..	240	94	199	23	25	338
73	Part owners.....number 1950..	277	25	166	18	64	234
74	Tenants.....number 1950..	90	19	80	3	28	106
75	Value of land and buildings per farm.....dollars 1950..	26,074	23,154	26,854	28,873	60,372	28,446
Irrigated farms and irrigated land by origin of water, 1949:							
76	Individually operated supply works and— No other irrigation enterprise.....farms reporting..	17	113	56	83	61	113
77	.....acres irrigated..	1,412	17,693	8,879	10,739	16,081	31,298
78	1 other irrigation enterprise.....farms reporting..	.....	51	151	8	17	.....
79	.....acres irrigated..	.....	10,221	20,537	2,983	3,167	.....
80	2 or more other irrigation enterprises.....farms reporting..	.....	5	5	.....	4	1
81	.....acres irrigated..	.....	2,046	897	.....	1,686	485
82	No individually operated supply works but— 1 other irrigation enterprise.....farms reporting..	3	961	558	50	113	1
83	.....acres irrigated..	190	91,727	54,665	4,672	14,376	40
84	2 or more other irrigation enterprises.....farms reporting..	.....	64	24	14	25	.....
85	.....acres irrigated..	.....	12,199	4,173	2,239	4,632	.....

See footnotes at end of County Table 1.

IRRIGATION OF AGRICULTURAL LANDS

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)		Lincoln	Natrona	Niobrara	Park <sup>1</sup>	Platte	Sheridan
1	Irrigated farms.....number 1950..	579	120	35	834	432	548
2	.....number 1945..	655	144	14	822	439	454
3	Proportion of all farms.....percent 1950..	81.4	39.0	8.4	85.2	58.0	66.0
4	Land in irrigated farms.....acres 1950..	553,401	1,275,799	265,467	694,400	894,502	796,005
5	.....average per farm, acres 1950..	955.8	10,631.6	7,584.8	832.6	2,070.6	1,452.6
6	Value of land and buildings.....average per farm, dollars 1950..	24,922	74,580	73,577	24,594	34,548	43,789
7	.....average per acre, dollars 1950..	30.07	6.50	8.00	29.43	20.41	27.85
8	Proportion of irrigated farms reporting value.....percent 1950..	82	73	74	94	105	80
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	71	79	90	94	86	86
Land in irrigated farms according to use, 1949:							
10	Cropland harvested.....farms reporting..	561	113	35	793	411	493
11	.....acres..	92,369	16,395	5,768	87,388	64,846	65,402
12	Cropland used only for pasture.....acres..	35,464	17,068	630	12,065	60,369	12,094
13	Cropland not harvested and not pastured.....acres..	5,436	12,063	439	9,065	16,327	4,702
14	Woodland pastured.....acres..	23,465	148,918	470	2,150	17,843	10,668
15	Other pasture (not cropland and not woodland).....acres..	387,134	1,072,702	253,730	546,136	718,838	695,198
16	Land pastured, total.....farms reporting..	549	109	35	637	382	506
17	.....acres..	446,063	1,238,688	254,830	560,351	797,050	717,560
18	Irrigated land in farms.....acres 1949..	84,618	18,418	3,009	103,973	59,747	54,178
19	.....acres 1944..	86,951	17,176	1,285	98,539	50,084	56,496
20	Land irrigated by sprinklers.....farms reporting 1949..	.....	.....	1	.....	.....	2
21	.....acres 1949..	.....	.....	3	.....	.....	4
Irrigated land in farms according to use, 1949:							
22	Irrigated cropland harvested.....farms reporting..	548	109	33	788	401	471
23	.....acres..	68,084	15,291	2,603	86,847	52,230	42,020
24	Irrigated pasture.....farms reporting..	304	41	6	514	128	300
25	.....acres..	16,184	3,052	406	14,507	6,852	11,320
26	Irrigated wild grass pasture.....farms reporting..	98	32	5	83	50	119
27	.....acres..	11,169	2,670	356	2,766	5,299	4,544
28	Irrigated tame grass pasture.....farms reporting..	230	14	1	455	88	205
29	.....acres..	5,015	382	50	11,741	1,553	6,776
30	Irrigated cropland not harvested and not pastured.....farms reporting..	11	5	.....	117	24	18
31	.....acres..	350	75	.....	2,619	665	838
Irrigated farms by acres irrigated in 1949:							
32	1-9 acres.....farms reporting..	42	10	3	44	26	137
33	10-19 acres.....farms reporting..	38	9	1	13	17	46
34	20-29 acres.....farms reporting..	33	12	3	14	14	23
35	30-49 acres.....farms reporting..	83	13	7	80	33	51
36	50-99 acres.....farms reporting..	170	27	11	301	115	103
37	100-199 acres.....farms reporting..	119	26	5	270	144	117
38	200 acres and over.....farms reporting..	94	23	5	112	83	71
Irrigated farms by tenure of operator, 1950:							
39	Full owners.....number..	406	45	4	479	176	310
40	Part owners.....number..	137	58	28	176	148	116
41	Managers.....number..	4	5	1	10	3	11
42	Tenants.....number..	32	12	2	169	105	111
Land in wholly and in partly irrigated farms:							
43	Wholly irrigated farms.....number 1950..	223	97	11	759	250	244
44	All land.....acres 1950..	190,337	1,164,588	70,329	678,975	419,236	180,673
45	Cropland harvested.....acres 1949..	38,338	14,348	1,441	83,458	35,901	20,022
46	Irrigated land.....acres 1949..	45,878	16,890	1,677	98,872	39,676	25,477
47	Partly irrigated farms.....number 1950..	356	23	24	75	182	304
48	All land.....acres 1950..	363,064	111,211	195,138	15,425	475,266	615,332
49	Cropland harvested, total.....farms reporting 1949..	338	16	24	34	162	249
50	Irrigated land.....acres 1949..	54,031	2,047	4,327	3,930	28,945	45,380
51	Irrigated cropland harvested.....farms reporting 1949..	38,740	1,528	1,332	5,101	20,071	28,701
52	.....acres 1949..	325	12	22	29	151	227
53	.....acres 1949..	29,746	943	1,162	3,389	16,329	21,998
Characteristics of wholly irrigated and nonirrigated farms:							
54	Wholly irrigated farms.....number 1950..	223	97	11	759	250	244
55	Average acreage per farm.....acres 1949..	853.5	12,006.1	6,393.5	894.6	1,676.9	740.5
56	Cropland harvested.....acres 1949..	171.9	147.9	131.0	110.0	143.6	82.1
57	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	( <sup>2</sup> )	0.3	.....	0.1	0.1	0.1
58	Vegetables harvested for sale.....acres 1949..	.....	0.2	.....	0.4	( <sup>2</sup> )	0.1
59	Small grains (including sorghums).....acres 1949..	21.6	24.8	.....	29.4	39.5	24.6
60	All hay.....acres 1949..	150.3	122.5	131.0	45.3	74.0	54.0
61	Farms by tenure of operator:						
62	Full owners and managers.....number 1950..	164	38	1	435	103	158
63	Part owners.....number 1950..	44	49	10	165	77	44
64	Tenants.....number 1950..	15	10	.....	159	70	42
65	Value of land and buildings per farm.....dollars 1950..	25,343	87,184	75,502	25,066	25,968	32,891
66	Nonirrigated farms.....number 1950..	132	188	381	145	315	282
67	Average acreage per farm.....acres 1949..	596.7	7,371.8	3,533.2	250.2	1,540.4	1,527.7
68	Cropland harvested.....acres 1949..	82.9	8.4	159.2	3.6	187.2	90.1
69	Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..	.....	0.1	.....	.....	( <sup>2</sup> )	0.1
70	Vegetables harvested for sale.....acres 1949..	.....	( <sup>2</sup> )	( <sup>2</sup> )	.....	( <sup>2</sup> )	( <sup>2</sup> )
71	Small grains (including sorghums).....acres 1949..	53.3	1.6	52.5	0.7	149.8	44.2
72	All hay.....acres 1949..	31.1	6.6	102.6	2.3	32.9	42.8
73	Farms by tenure of operator:						
74	Full owners and managers.....number 1950..	92	96	114	140	123	148
75	Part owners.....number 1950..	26	76	207	1	135	73
76	Tenants.....number 1950..	14	16	60	4	57	61
77	Value of land and buildings per farm.....dollars 1950..	27,276	41,958	36,528	7,437	25,145	17,198
Irrigated farms and irrigated land by origin of water, 1949:							
78	Individually operated supply works and—						
79	No other irrigation enterprise.....farms reporting..	132	75	35	79	91	59
80	.....acres irrigated..	32,592	12,050	3,009	18,564	20,103	6,609
81	1 other irrigation enterprise.....farms reporting..	58	1	.....	13	15	16
82	.....acres irrigated..	20,409	325	.....	3,182	3,867	2,346
83	2 or more other irrigation enterprises.....farms reporting..	8	.....	.....	1	2	2
84	.....acres irrigated..	1,249	.....	.....	300	526	360
85	No individually operated supply works but—						
86	1 other irrigation enterprise.....farms reporting..	311	44	.....	724	301	391
87	.....acres irrigated..	20,913	6,043	.....	77,351	30,732	29,931
88	2 or more other irrigation enterprises.....farms reporting..	70	.....	.....	17	23	80
89	.....acres irrigated..	9,455	.....	.....	4,576	4,519	14,912

See footnotes 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)		Sublette	Sweetwater	Teton	Uinta	Washakie	Weston
1	Irrigated farms.....number 1950..	201	143	126	330	253	25
2	.....number 1945..	271	154	145	314	277	8
3	Proportion of all farms.....percent 1950..	91.4	85.0	81.0	95.0	91.3	8.8
4	Land in irrigated farms.....average per farm, acres 1950..	545,123	246,295	80,411	579,165	324,934	258,769
5	.....average per farm, acres 1945..	2,712.0	1,722.3	688.2	1,755.0	1,284.3	10,351.0
6	Value of land and buildings.....average per farm, dollars 1950..	54,570	27,013	52,619	30,028	48,803	82,224
7	.....average per acre, dollars 1950..	20.52	16.93	84.42	19.26	31.88	11.48
8	Proportion of irrigated farms reporting value.....percent 1950..	82	80	76	102	92	100
9	Proportion of land in irrigated farms for which value was reported.....percent 1950..	80	74	74	90	110	69
Land in irrigated farms according to use, 1949:							
10	Cropland harvested.....farms reporting..	198	141	122	314	243	25
11	.....acres..	101,267	17,251	20,600	54,510	34,386	6,929
12	Cropland used only for pasture.....acres..	18,886	10,598	2,931	10,475	3,238	491
13	Cropland not harvested and not pastured.....acres..	811	924	1,314	1,175	3,043	609
14	Woodland pastured.....acres..	20,881	23,341	17,303	52,199	3,777	14,033
15	Other pasture (not cropland and not woodland).....acres..	397,535	190,078	34,568	447,755	274,659	233,805
16	Land pastured, total.....farms reporting..	199	119	116	321	195	25
17	.....acres..	437,302	224,017	54,802	510,429	281,674	248,329
18	Irrigated land in farms.....acres 1949..	129,051	23,736	24,197	102,538	36,395	4,924
19	.....acres 1944..	159,725	23,137	31,770	89,853	35,915	1,760
20	Land irrigated by sprinklers.....farms reporting 1949..						
21	.....acres 1949..						
Irrigated land in farms according to use, 1949:							
22	Irrigated cropland harvested.....farms reporting..	196	140	121	311	242	24
23	.....acres..	100,170	16,310	17,789	53,689	33,856	4,511
24	Irrigated pasture.....farms reporting..	110	62	45	270	116	4
25	.....acres..	28,593	7,389	6,319	48,652	1,868	413
26	Irrigated wild grass pasture.....farms reporting..	100	30	19	252	22	4
27	.....acres..	27,162	4,222	1,718	45,324	316	413
28	Irrigated tame grass pasture.....farms reporting..	16	41	33	32	102	
29	.....acres..	1,431	3,167	4,601	3,328	1,552	
30	Irrigated cropland not harvested and not pastured.....farms reporting..	7	4	4	9	22	
31	.....acres..	288	37	89	197	671	
Irrigated farms by acres irrigated in 1949:							
32	1-9 acres.....farms reporting..	1	5	5	10	9	1
33	10-19 acres.....farms reporting..	2	5	9	6	14	1
34	20-29 acres.....farms reporting..	3	5	5	5	11	4
35	30-49 acres.....farms reporting..	7	19	13	12	16	4
36	50-99 acres.....farms reporting..	19	36	25	36	57	7
37	100-199 acres.....farms reporting..	32	38	36	87	85	3
38	200 acres and over.....farms reporting..	137	35	33	174	61	5
Irrigated farms by tenure of operator, 1950:							
39	Full owners.....number..	113	75	75	237	90	
40	Part owners.....number..	70	46	30	71	56	24
41	Managers.....number..	2	2	4	3	3	1
42	Tenants.....number..	16	20	17	19	104	
Land in wholly and in partly irrigated farms:							
43	Wholly irrigated farms.....number 1950..	189	131	68	298	231	8
44	.....number 1945..	519,338	209,161	57,447	470,739	218,501	95,803
45	All land.....acres 1950..	99,060	15,007	11,957	52,097	31,973	1,746
46	.....acres 1949..	126,462	21,936	17,401	96,243	34,174	2,084
47	Cropland harvested.....acres 1949..	12	12	58	32	22	17
48	Partly irrigated farms.....number 1950..	12	12	58	32	22	17
49	.....number 1945..	25,785	37,134	22,964	108,426	106,433	162,966
50	All land.....acres 1950..	8	10	54	17	12	16
51	Cropland harvested, total.....farms reporting 1949..	2,207	2,244	8,643	2,413	2,413	5,183
52	.....acres 1949..	2,589	1,800	6,796	6,295	2,221	2,840
53	Irrigated land.....farms reporting 1949..	7	9	53	13	11	16
54	.....acres 1949..	1,110	1,303	5,832	1,592	1,883	2,765
Characteristics of wholly irrigated and nonirrigated farms:							
54	Wholly irrigated farms.....number 1950..	189	131	68	298	231	8
55	Average acreage per farm:.....acres 1949..	2,747.8	1,596.6	844.8	1,579.7	945.9	11,975.4
56	All land.....acres 1949..	524.1	114.6	175.8	174.8	138.4	218.3
57	Cropland harvested, Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..		( <sup>2</sup> )			0.1	0.1
58	.....acres 1949..		0.1			0.1	( <sup>2</sup> )
59	Vegetables harvested for sale.....acres 1949..	10.4	29.6	15.8	10.1	40.5	48.0
60	Small grains (including sorghums).....acres 1949..	513.7	85.1	159.0	164.1	55.8	156.9
61	All hay.....acres 1949..						
Farms by tenure of operator:							
61	Full owners and managers.....number 1950..	109	71	45	216	84	1
62	.....number 1945..	65	40	15	65	49	7
63	Part owners.....number 1950..	15	20	8	17	98	
64	.....number 1945..	59,253	23,966	71,236	29,068	49,553	145,789
65	Value of land and buildings per farm.....dollars 1950..	19	26	30	19	24	258
Nonirrigated farms.....number 1950..							
66	Average acreage per farm:.....acres 1949..	202.1	38,846.8	198.9	5,552.8	1,746.4	3,473.5
67	All land.....acres 1949..	23.4	15.0	30.3	1.3	26.3	143.6
68	Cropland harvested, Land in bearing and nonbearing fruit orchards, planted nut trees, and vineyards.....acres 1949..					( <sup>2</sup> )	( <sup>2</sup> )
69	.....acres 1949..					( <sup>2</sup> )	( <sup>2</sup> )
70	Vegetables harvested for sale.....acres 1949..			8.5	0.2	7.8	62.9
71	Small grains (including sorghums).....acres 1949..	23.4	15.0	21.8	0.6	17.5	69.5
72	All hay.....acres 1949..						
Farms by tenure of operator:							
72	Full owners and managers.....number 1950..	13	16	23	13	17	62
73	.....number 1945..	3	6	5	3	5	174
74	Part owners.....number 1950..	3	4	2	3	2	22
75	.....number 1945..	5,133	15,367	29,243	22,377	25,791	31,590
75	Value of land and buildings per farm.....dollars 1950..						
Irrigated farms and irrigated land by origin of water, 1949:							
Individually operated supply works and—							
76	No other irrigation enterprise.....farms reporting..	103	47	38	100	53	23
77	.....acres irrigated..	71,963	6,592	8,531	31,453	7,909	4,719
78	1 other irrigation enterprise.....farms reporting..	19	10	4	42	11	
79	.....acres irrigated..	26,638	2,233	3,272	19,016	973	
80	2 or more other irrigation enterprises.....farms reporting..	2	4	1	2	2	
81	.....acres irrigated..	1,200	3,480	130	6,163	869	
No individually operated supply works but—							
82	1 other irrigation enterprise.....farms reporting..	64	79	73	116	167	2
83	.....acres irrigated..	19,653	10,973	10,832	23,442	21,821	205
84	.....farms reporting..	13	3	10	54	20	
85	.....acres irrigated..	9,597	458	1,432	22,464	4,823	

<sup>1</sup>Includes data for 1 farm in Yellowstone National Park. <sup>2</sup>Less than 0.05.

IRRIGATION OF AGRICULTURAL LANDS

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]

Item (For definitions and explanations, see text)		The State <sup>1</sup>	Albany	Big Horn	Campbell	Carbon	Converse
ALL ENTERPRISES							
Farms and land irrigated:							
1	All irrigation enterprises.....enterprises 1950..	3,104	229	135	21	285	144
2	.....enterprises 1940..	3,385	272	125	21	337	133
3	Intercounty enterprises.....enterprises 1950..	56	12	5	.....	11	3
4	Irrigated farms <sup>2</sup> .....farms 1950..	7,831	264	924	24	304	191
5	Average per enterprise.....farms 1950..	2.5	1.2	6.8	1.1	1.1	1.3
6	Farms irrigated direct per enterprise <sup>3</sup> .....farms 1950..	3.2	1.5	8.9	1.0	1.4	1.9
7	Irrigated land <sup>2</sup> .....acres 1949..	1,474,835	149,477	117,278	1,735	169,547	44,367
8	.....acres 1939..	1,486,498	127,506	110,198	492	165,340	30,417
9	Average per irrigated farm.....acres 1949..	188.3	566.2	126.9	72.3	557.7	232.3
10	Average per enterprise.....acres 1949..	475	653	869	83	595	308
11	Average acreage irrigated direct per enterprise <sup>3</sup> .....acres 1949..	494	662	881	83	637	318
Type of enterprise, 1950:							
12	Single-farm.....enterprises..	2,411	201	57	21	235	121
13	.....acres irrigated..	694,209	113,544	6,957	1,735	132,001	32,735
Mutual:							
14	Unincorporated.....enterprises..	538	24	55	.....	40	18
15	.....acres irrigated..	275,597	24,911	20,427	.....	36,578	3,343
16	Incorporated.....enterprises..	120	2	19	.....	9	5
17	.....acres irrigated..	241,211	( <sup>4</sup> )	64,305	.....	12,890	9,779
18	Commercial.....enterprises..	2	.....	.....	.....	.....	.....
19	.....acres irrigated..	( <sup>4</sup> )	.....	.....	.....	.....	.....
20	District.....enterprises..	27	2	4	.....	.....	.....
21	.....acres irrigated..	232,058	( <sup>4</sup> )	27,256	.....	.....	.....
22	U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	5	.....	.....	.....	1	.....
23	.....acres irrigated..	58,634	.....	.....	.....	.....	.....
24	U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	1	.....	.....	.....	.....	.....
25	.....acres irrigated..	27,000	.....	.....	.....	.....	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	.....	.....	.....	.....	.....	.....
29	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
30	Gravity only.....enterprises reporting..	2,644	222	121	12	280	112
31	.....acres irrigated..	1,483,488	151,092	115,873	1,137	179,038	38,086
32	Pumped only.....enterprises reporting..	266	1	9	6	1	19
33	.....acres irrigated..	18,199	250	214	439	152	3,032
34	Gravity and pumped.....enterprises reporting..	45	.....	3	2	2	6
35	.....acres irrigated..	12,179	.....	2,346	65	1,827	3,592
36	Ground water only (pumped from wells).....enterprises reporting..	110	2	.....	1	.....	3
37	.....acres irrigated..	9,438	47	.....	94	.....	101
38	Surface (gravity or pumped) and ground water...enterprises reporting..	39	4	2	.....	2	4
39	.....acres irrigated..	10,844	258	512	.....	452	1,046
Stored water:							
40	None stored.....enterprises reporting..	2,577	194	111	9	244	123
41	.....acres irrigated..	1,009,870	112,633	67,716	839	146,128	31,524
42	Part stored.....enterprises reporting..	287	32	18	1	34	17
43	.....acres irrigated..	458,858	34,850	50,782	35	34,376	13,828
44	All stored.....enterprises reporting..	240	3	6	11	7	4
45	.....acres irrigated..	65,420	4,164	447	861	965	505
Sources of surface water, 1949: <sup>6</sup>							
46	Streams (and lakes).....enterprises reporting..	2,858	222	129	20	280	137
47	.....acres irrigated..	1,511,283	151,417	118,429	1,641	181,167	45,313
48	Springs.....enterprises reporting..	166	24	1	.....	11	3
49	.....acres irrigated..	58,558	5,537	900	.....	16,640	473
50	Flowing wells.....enterprises reporting..	53	5	4	2	4	.....
51	.....acres irrigated..	19,043	478	832	65	127	.....
52	Drainage water.....enterprises reporting..	63	8	8	.....	6	2
53	.....acres irrigated..	33,746	2,745	2,402	.....	1,337	175
54	Sewage.....enterprises reporting..	3	.....	.....	.....	1	.....
55	.....acres irrigated..	1,560	.....	.....	.....	60	.....
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Drainage of irrigated land: <sup>7</sup>							
Irrigated land drained:							
58	Enterprises reporting.....enterprises 1949..	170	14	27	.....	18	4
59	Area supplied primary irrigation.....acres 1949..	438,993	15,981	86,813	.....	24,203	985
60	Area artificially drained.....acres 1949..	239,196	1,123	59,963	.....	2,754	505
61	.....acres 1939..	175,394	17,471	48,480	.....	560	(*)
Irrigated land in need of drainage:							
62	Enterprises reporting.....enterprises 1949..	367	40	25	1	53	9
63	Area supplied primary irrigation.....acres 1949..	374,158	31,103	34,039	94	44,628	7,958
64	Area in need of drainage.....acres 1949..	45,189	2,711	7,453	5	7,858	1,586
65	.....acres 1939..	44,997	2,277	10,206	.....	420	(*)

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

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)		Crook	Fremont	Goshen	Hot Springs	Johnson	Laramie
ALL ENTERPRISES							
<b>Farms and land irrigated:</b>							
1	All irrigation enterprises.....enterprises 1950..	20	233	237	117	150	116
2	.....enterprises 1940..	30	304	58	100	176	98
3	Intercounty enterprises.....enterprises 1950..	1	1	3	.....	2	3
4	Irrigated farms <sup>2</sup> .....farms 1950..	20	1,194	794	155	220	115
5	Average per enterprise.....farms 1950..	1.0	5.1	3.4	1.3	1.5	1.0
6	Farms irrigated direct per enterprise <sup>3</sup> .....farms 1950..	1.2	6.3	4.6	1.6	2.0	1.1
7	Irrigated land <sup>2</sup> .....acres 1949..	1,913	134,219	95,765	22,808	43,587	30,967
8	.....acres 1939..	926	135,517	96,018	18,171	46,732	26,454
9	Average per irrigated farm.....acres 1949..	95.7	112.4	120.6	147.1	198.1	269.3
10	Average per enterprise.....acres 1949..	96	576	404	195	291	267
11	Average acreage irrigated direct per enterprise <sup>3</sup> .....acres 1949..	96	604	420	200	304	267
<b>Type of enterprise, 1950:</b>							
12	Single-farm.....enterprises..	18	171	217	92	82	115
13	.....acres irrigated..	1,413	26,132	18,367	11,950	18,050	29,324
<b>Mutual:</b>							
14	Unincorporated.....enterprises..	1	41	10	21	61	1
15	.....acres irrigated..	( <sup>4</sup> )	12,934	6,954	4,336	20,006	( <sup>4</sup> )
16	Incorporated.....enterprises..	1	15	5	3	6	.....
17	.....acres irrigated..	( <sup>4</sup> )	10,380	9,283	4,382	7,557	.....
18	Commercial.....enterprises..	.....	.....	.....	.....	1	.....
19	.....acres irrigated..	.....	.....	.....	.....	( <sup>4</sup> )	.....
20	District.....enterprises..	.....	4	5	1	.....	.....
21	.....acres irrigated..	.....	19,300	64,926	( <sup>4</sup> )	.....	.....
22	U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	.....	1	.....	.....	.....	.....
23	.....acres irrigated..	.....	45,000	.....	.....	.....	.....
24	U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	.....	1	.....	.....	.....	.....
25	.....acres irrigated..	.....	27,000	.....	.....	.....	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	.....	.....	.....	.....	.....	.....
29	.....acres irrigated..	.....	.....	.....	.....	.....	.....
<b>Use of surface, ground, pumped and stored water, 1949:</b>							
<b>Surface water:</b>							
30	Gravity only.....enterprises reporting..	11	216	65	98	150	62
31	.....acres irrigated..	1,014	140,372	88,544	19,393	45,613	23,004
32	Pumped only.....enterprises reporting..	5	15	112	13	.....	1
33	.....acres irrigated..	179	284	5,149	3,413	.....	40
34	Gravity and pumped.....enterprises reporting..	3	.....	8	2	.....	1
35	.....acres irrigated..	220	.....	736	309	.....	200
36	Ground water only (pumped from wells).....enterprises reporting..	.....	2	43	1	.....	45
37	.....acres irrigated..	.....	90	2,407	16	.....	6,238
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	1	.....	9	3	.....	7
39	.....acres irrigated..	500	.....	2,694	220	.....	1,485
<b>Stored water:</b>							
40	None stored.....enterprises reporting..	18	205	108	107	135	103
41	.....acres irrigated..	1,743	60,834	19,078	21,706	39,868	22,637
42	Part stored.....enterprises reporting..	1	15	17	9	11	8
43	.....acres irrigated..	80	78,952	65,235	1,593	5,472	5,530
44	All stored.....enterprises reporting..	1	13	112	1	4	5
45	.....acres irrigated..	90	960	15,217	52	273	2,800
<b>Sources of surface water, 1949:<sup>6</sup></b>							
46	Streams (and lakes).....enterprises reporting..	18	222	192	110	147	70
47	.....acres irrigated..	1,853	140,021	96,986	23,159	45,410	24,664
48	Springs.....enterprises reporting..	4	8	2	4	5	4
49	.....acres irrigated..	230	912	137	119	1,251	1,285
50	Flowing wells.....enterprises reporting..	2	1	.....	4	1	4
51	.....acres irrigated..	140	65	.....	350	830	10,838
52	Drainage water.....enterprises reporting..	.....	2	1	.....	4	1
53	.....acres irrigated..	.....	40	1,550	.....	353	125
54	Sewage.....enterprises reporting..	.....	.....	.....	.....	.....	1
55	.....acres irrigated..	.....	.....	.....	.....	.....	1,400
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	.....	.....
<b>Drainage of irrigated land:<sup>7</sup></b>							
<b>Irrigated land drained:</b>							
58	Enterprises reporting.....enterprises 1949..	1	12	6	7	11	3
59	Area supplied primary irrigation.....acres 1949..	1	82,515	47,885	7,906	8,620	3,120
60	Area artificially drained.....acres 1949..	1	54,458	42,916	912	1,280	370
61	.....acres 1939..	.....	24,185	16,089	80	.....	.....
<b>Irrigated land in need of drainage:</b>							
62	Enterprises reporting.....enterprises 1949..	.....	15	12	19	39	12
63	Area supplied primary irrigation.....acres 1949..	.....	49,733	44,212	9,850	15,442	5,993
64	Area in need of drainage.....acres 1949..	.....	5,380	1,972	3,844	1,677	678
65	.....acres 1939..	.....	6,508	2,070	251	353	( <sup>8</sup> )

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

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 1 of 4).—IRRIGATION ENTERPRISES: NUMBER AND 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)		Lincoln	Natrona	Niobrara	Park	Platte	Sheridan
ALL ENTERPRISES							
Farms and land irrigated:							
1	All irrigation enterprises.....enterprises 1950..	299	84	36	143	151	142
2	..... 1940..	256	110	15	160	96	230
3	Intercounty enterprises.....enterprises 1950..	8	6	.....	4	5	2
4	Irrigated farms <sup>2</sup> .....farms 1950..	579	120	35	833	432	548
5	Average per enterprise.....farms 1950..	1.9	1.4	1.0	5.8	2.9	3.9
6	Farms irrigated direct per enterprise <sup>3</sup> .....farms 1950..	3.0	1.5	1.0	6.4	3.3	4.5
7	Irrigated land <sup>2</sup> .....acres 1949..	89,135	20,148	3,089	110,881	61,336	54,917
8	.....acres 1939..	100,135	25,481	850	102,423	71,582	79,883
9	Average per irrigated farm.....acres 1949..	153.9	167.9	88.3	133.1	142.0	100.2
10	Average per enterprise.....acres 1949..	298	240	86	775	406	387
11	Average acreage irrigated direct per enterprise <sup>3</sup> .....acres 1949..	344	246	86	782	423	392
Type of enterprise, 1950:							
12	Single-farm.....enterprises..	203	79	36	96	113	79
13	.....acres irrigated..	51,939	12,815	3,089	20,277	23,715	7,808
Mutual:							
14	Unincorporated.....enterprises..	82	2	.....	37	36	40
15	.....acres irrigated..	30,142	( <sup>4</sup> )	.....	16,443	23,392	16,296
16	Incorporated.....enterprises..	12	1	.....	2	.....	22
17	.....acres irrigated..	14,663	( <sup>4</sup> )	.....	( <sup>4</sup> )	.....	29,458
18	Commercial.....enterprises..	.....	.....	.....	.....	.....	1
19	.....acres irrigated..	.....	.....	.....	.....	.....	( <sup>4</sup> )
20	District.....enterprises..	2	.....	.....	7	1	.....
21	.....acres irrigated..	( <sup>4</sup> )	.....	.....	62,230	( <sup>4</sup> )	.....
22	U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	.....	2	.....	1	1	.....
23	.....acres irrigated..	.....	4,867	.....	8,767	.....	.....
24	U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	.....	.....	.....	.....	.....	.....
25	.....acres irrigated..	.....	.....	.....	.....	.....	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	.....	.....	.....	.....	.....	.....
29	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
30	Gravity only.....enterprises reporting..	298	66	19	140	125	114
31	.....acres irrigated..	102,612	18,697	1,822	111,588	60,575	54,820
32	Pumped only.....enterprises reporting..	1	9	13	1	15	20
33	.....acres irrigated..	230	584	907	11	1,132	498
34	Gravity and pumped.....enterprises reporting..	.....	5	4	2	2	3
35	.....acres irrigated..	.....	1,188	360	255	450	30
36	Ground water only (pumped from wells).....enterprises reporting..	.....	3	.....	.....	5	4
37	.....acres irrigated..	.....	19	.....	.....	318	8
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	.....	1	.....	.....	4	1
39	.....acres irrigated..	.....	140	.....	.....	1,432	297
Stored water:							
40	None stored.....enterprises reporting..	291	55	28	117	103	108
41	.....acres irrigated..	100,037	8,945	2,384	41,312	24,408	31,065
42	Part stored.....enterprises reporting..	6	19	3	25	18	26
43	.....acres irrigated..	2,665	5,573	320	70,542	19,712	24,481
44	All stored.....enterprises reporting..	2	10	5	1	30	8
45	.....acres irrigated..	140	6,110	385	.....	19,787	107
Sources of surface water, 1949: <sup>6</sup>							
46	Streams (and lakes).....enterprises reporting..	245	75	34	143	141	135
47	.....acres irrigated..	96,483	19,667	3,044	111,854	62,462	55,579
48	Springs.....enterprises reporting..	52	7	2	1	2	1
49	.....acres irrigated..	17,061	678	45	60	1,000	32
50	Flowing wells.....enterprises reporting..	19	2	.....	.....	1	.....
51	.....acres irrigated..	3,758	180	.....	.....	120	.....
52	Drainage water.....enterprises reporting..	4	3	1	.....	5	2
53	.....acres irrigated..	1,580	430	40	.....	657	34
54	Sewage.....enterprises reporting..	.....	.....	.....	.....	.....	.....
55	.....acres irrigated..	.....	.....	.....	.....	.....	.....
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Drainage of irrigated land: <sup>7</sup>							
Irrigated land drained:							
58	Enterprises reporting.....enterprises 1949..	14	1	.....	11	13	9
59	Area supplied primary irrigation.....acres 1949..	4,547	1,500	.....	64,886	22,735	9,369
60	Area artificially drained.....acres 1949..	1,873	150	.....	46,911	3,981	1,097
61	.....acres 1939..	.....	(*)	(*)	45,865	(*)	442
Irrigated land in need of drainage:							
62	Enterprises reporting.....enterprises 1949..	23	5	.....	16	19	16
63	Area supplied primary irrigation.....acres 1949..	18,257	2,466	.....	9,867	26,344	15,821
64	Area in need of drainage.....acres 1949..	1,705	284	.....	1,374	2,430	1,049
65	.....acres 1939..	5,202	.....	.....	7,853	(*)	207

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

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)		Sublette	Sweetwater	Teton	Uinta	Washakie	Weston
ALL ENTERPRISES							
Farms and land irrigated:							
1	All irrigation enterprises.....enterprises 1950..	145	66	64	194	99	24
2	.....enterprises 1940..	315	108	139	218	85	18
3	Intercounty enterprises.....enterprises 1950..	4	4	7	4	2	.....
4	Irrigated farms <sup>2</sup> .....farms 1950..	201	143	126	330	253	25
5	Average per enterprise.....farms 1950..	1.4	2.2	2.0	1.7	2.6	1.0
6	Farms irrigated direct per enterprise <sup>3</sup> .....farms 1950..	1.6	2.4	2.2	2.3	3.4	1.1
7	Irrigated land <sup>2</sup> .....acres 1949..	129,923	22,855	23,796	102,154	37,639	6,724
8	.....acres 1939..	160,570	22,075	30,995	91,192	40,418	3,123
9	Average per irrigated farm.....acres 1949..	646.4	159.8	188.9	309.6	148.8	269.0
10	Average per enterprise.....acres 1949..	896	346	372	527	380	280
11	Average acreage irrigated direct per enterprise <sup>3</sup> .....acres 1949..	911	346	385	554	405	280
Type of enterprise, 1950:							
12	Single-farm.....enterprises..	130	62	43	163	72	24
13	.....acres irrigated..	93,810	9,596	11,587	50,687	9,379	6,724
Mutual:							
14	Unincorporated.....enterprises..	11	1	15	20	23	.....
15	.....acres irrigated..	13,800	( <sup>4</sup> )	11,684	18,588	4,280	.....
16	Incorporated.....enterprises..	( <sup>4</sup> ) 1	3	5	11	( <sup>4</sup> ) 2	.....
17	.....acres irrigated..	( <sup>4</sup> )	4,645	1,388	38,177	( <sup>4</sup> )	.....
18	Commercial.....enterprises..	( <sup>4</sup> ) 1	.....	.....	.....	.....	.....
19	.....acres irrigated..	( <sup>4</sup> )	.....	.....	.....	.....	.....
20	District.....enterprises..	( <sup>4</sup> ) 2	.....	.....	.....	( <sup>4</sup> ) 2	.....
21	.....acres irrigated..	( <sup>4</sup> )	.....	.....	.....	( <sup>4</sup> )	.....
22	U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	.....	.....	1	.....	.....	.....
23	.....acres irrigated..	.....	.....	.....	.....	.....	.....
24	U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	.....	.....	.....	.....	.....	.....
25	.....acres irrigated..	.....	.....	.....	.....	.....	.....
26	State.....enterprises..	.....	.....	.....	.....	.....	.....
27	.....acres irrigated..	.....	.....	.....	.....	.....	.....
28	City.....enterprises..	.....	.....	.....	.....	.....	.....
29	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Use of surface, ground, pumped and stored water, 1949:							
Surface water:							
30	Gravity only.....enterprises reporting..	144	60	63	194	81	18
31	.....acres irrigated..	131,989	22,523	24,659	107,452	38,496	4,514
32	Pumped only.....enterprises reporting..	1	4	.....	.....	16	4
33	.....acres irrigated..	34	199	.....	.....	1,142	310
34	Gravity and pumped.....enterprises reporting..	.....	1	.....	.....	2	.....
35	.....acres irrigated..	.....	125	.....	.....	476	.....
36	Ground water only (pumped from wells).....enterprises reporting..	.....	.....	.....	.....	.....	1
37	.....acres irrigated..	.....	.....	.....	.....	.....	100
38	Surface (gravity or pumped) and ground water.....enterprises reporting..	.....	1	1	.....	.....	1
39	.....acres irrigated..	.....	8	.....	.....	.....	1,800
Stored water:							
40	None stored.....enterprises reporting..	133	52	62	174	94	18
41	.....acres irrigated..	106,335	8,663	24,539	95,149	38,809	2,943
42	Part stored.....enterprises reporting..	7	5	2	15	5	5
43	.....acres irrigated..	24,883	4,098	120	10,670	1,305	3,756
44	All stored.....enterprises reporting..	5	9	.....	5	.....	1
45	.....acres irrigated..	805	10,094	.....	1,633	.....	25
Sources of surface water, 1949: <sup>6</sup>							
46	Streams (and lakes).....enterprises reporting..	142	54	64	191	99	18
47	.....acres irrigated..	131,487	22,433	24,659	106,847	40,114	6,019
48	Springs.....enterprises reporting..	7	19	3	2	2	2
49	.....acres irrigated..	4,169	3,142	4,365	260	235	37
50	Flowing wells.....enterprises reporting..	1	1	.....	.....	2	.....
51	.....acres irrigated..	800	5	.....	.....	455	.....
52	Drainage water.....enterprises reporting..	7	2	.....	4	1	3
53	.....acres irrigated..	10,307	305	.....	1,098	10,000	568
54	Sewage.....enterprises reporting..	.....	.....	.....	1	.....	.....
55	.....acres irrigated..	.....	.....	.....	100	.....	.....
56	Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....
57	.....acres irrigated..	.....	.....	.....	.....	.....	.....
Drainage of irrigated land: <sup>7</sup>							
Irrigated land drained:							
58	Enterprises reporting.....enterprises 1949..	6	2	4	5	6	.....
59	Area supplied primary irrigation.....acres 1949..	17,045	8,739	3,807	3,907	24,429	.....
60	Area artificially drained.....acres 1949..	760	160	580	152	19,250	.....
61	.....acres 1939..	26	(*)	.....	.....	19,006	.....
Irrigated land in need of drainage:							
62	Enterprises reporting.....enterprises 1949..	18	16	4	20	5	1
63	Area supplied primary irrigation.....acres 1949..	23,977	8,129	4,712	18,794	1,428	1,311
64	Area in need of drainage.....acres 1949..	2,382	722	480	1,203	66	330
65	.....acres 1939..	525	(*)	(*)	475	1,825	.....

<sup>1</sup>Not available.

<sup>2</sup>Data for 1 enterprise in Yellowstone National Park included only in State totals for 1950 Census.

<sup>3</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>4</sup>Farms or acres irrigated direct by 2 or more enterprises are counted for each enterprise.

<sup>5</sup>Data for less than 3 enterprises not shown separately.

<sup>6</sup>Data for less than 3 enterprises shown with permission of the enterprise.

<sup>7</sup>Enterprises reporting water from more than 1 source are counted for each.

<sup>8</sup>For intercounty and interstate enterprises, data represent characteristics within the county or State.

IRRIGATION OF AGRICULTURAL LANDS

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.]

Item (For definitions and explanations, see text)		The State <sup>1</sup>	Albany	Big Horn	Campbell	Carbon	Converse
<b>ALL ENTERPRISES</b>							
<b>Irrigation works:</b>							
1	Diversion dams.....enterprises reporting 1950..	2,466	214	114	15	259	109
2	dams 1950..	5,228	862	154	29	825	259
3	1940..	4,205	589	115	29	679	153
Diversion dams by material:							
4	Concrete or masonry.....dams 1950..	516	32	11		100	51
5	Timber.....dams 1950..	771	68	8		162	7
6	Earth and rock.....dams 1950..	3,420	722	113	29	494	192
7	Other, mixed, and not reported.....dams 1950..	521	40	22		69	9
8	Reservoirs.....enterprises reporting 1950..	303	31	11	12	40	11
9	reservoirs 1950..	458	45	18	13	63	18
10	1940..	334	34	5	6	46	6
11	Reservoirs for which capacity was reported.....reservoirs 1950..	419	36	10,132	13	54	18
12	total capacity, acre-feet 1950..	4,370,044	182,498	10,132	657	1,040,409	24,348
13	1940..	3,379,957	314,514	4,776	650	5,065	20,890
Reservoirs by capacity:							
14	1-99 acre-feet.....reservoirs 1950..	216	19	7	10	27	11
15	100-999 acre-feet.....reservoirs 1950..	145	10	9	3	20	5
16	1,000 acre-feet and over.....reservoirs 1950..	58	7	2		7	2
Reservoir dams by material:							
17	Concrete or masonry.....dams 1950..	16	3			2	1
18	Earth and rock.....dams 1950..	409	38	18	13	61	17
19	Other, mixed, and not reported.....dams 1950..	33	4				
20	Canals and ditches.....enterprises reporting 1950..	2,116	122	115	13	225	96
21	total length, miles 1950..	9,822	671	894	19	843	333
22	1940..	11,762	1,053	665	16	1,366	500
23	Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	100	1	18	1	3	6
24	total length, miles 1950..	56	( <sup>3</sup> )	7		4	2
25	1940..	70	4	19	( <sup>3</sup> )	( <sup>3</sup> )	3
26	Tunnels.....enterprises reporting 1950..	20	1	4		1	
27	total length, feet 1950..	46,874	4,080	1,670		80	2,907
28	Flowing wells.....enterprises reporting 1950..	53	5	4	2	4	
29	wells 1950..	98	17	15	2	5	
30	1940..	36	7				1
31	Pumped wells.....enterprises reporting 1950..	146	6	2	1	2	6
32	wells 1950..	248	16	2	2	8	10
33	1940..	94	5	1	3	3	2
34	Wells for which pumping lift was reported.....wells 1949..	242	16	2	2	8	10
35	Average pumping lift.....feet 1949..	52	23	160	50	69	61
36	1939..	46	18	(*)	113	8	(*)
37	Irrigation pumps.....enterprises reporting 1950..	456	6	13	9	5	31
38	pumps 1950..	651	16	15	11	14	44
39	pumping plants 1940..	224	7	6	3	4	21
40	Electric motors used for pumping.....enterprises reporting 1950..	197	2	2		2	15
41	electric motors 1950..	288	2	2		4	21
42	Other motors and engines used for pumping:.....enterprises reporting 1950..	273	4	6	9	5	16
43	other motors and engines 1950..	327	14	8	11	7	25
<b>Season of irrigation, 1949:</b>							
44	Water delivered only before July 1.....enterprises reporting..	214	26		14	7	32
45	acres irrigated..	41,845	7,608		1,104	6,560	3,724
46	Water delivered before and after July 1.....enterprises reporting..	2,671	195	128	6	273	101
47	acres irrigated..	1,428,391	141,886	118,655	521	173,738	38,893
48	Water delivered only after July 1.....enterprises reporting..	118	2	2		2	2
49	acres irrigated..	10,860	9	75		28	78
<b>Capital investment:</b>							
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	41,522,801	4,358,118	4,228,044	14,353	1,558,948	1,484,539
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51	Enterprises reporting.....enterprises 1950..	1,551	87	63	15	157	54
52	Amount.....dollars 1950..	18,463,589	182,271	114,941	42,350	321,781	213,325
53	Area irrigated direct.....acres 1949..	742,384	54,191	49,045	1,276	113,678	32,747
54	Total capital investment Jan. 1, 1950.....dollars 1950..	59,986,390	4,540,389	4,342,985	56,703	1,880,729	1,697,844
<b>Indebtedness:<sup>4</sup></b>							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
55	Enterprises reporting.....enterprises 1950..	43	1	7		1	
56	Amount.....dollars 1950..	24,538,973	73,685	1,401,519		1,275	
57	1940..	16,699,485	99,490	1,725,291		249	
58	Area irrigated direct.....acres 1949..	307,998	3,159	44,512		3,076	
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
59	Enterprises reporting.....enterprises 1950..	5	1	1			
60	Amount.....dollars 1950..	77,654	73,685	175			
61	Area irrigated direct.....acres 1949..	25,011	3,159	8,605			

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.]

Item (For definitions and explanations, see text)		Crook	Fremont	Goshen	Hot Springs	Johnson	Laramie
ALL ENTERPRISES							
Irrigation works:							
1	Diversion dams.....enterprises reporting 1950..	13	203	66	80	146	62
2	.....dams 1950..	18	240	109	126	213	243
3	.....dams 1940..	33	192	46	69	202	254
Diversion dams by material:							
4	Concrete or masonry.....dams 1950..	4	37	56	6	15	19
5	Timber.....dams 1950..	3	63	7	29	56	6
6	Earth and rock.....dams 1950..	10	165	40	70	117	196
7	Other, mixed, and not reported.....dams 1950..	1	25	6	21	25	22
8	Reservoirs.....enterprises reporting 1950..	2	15	14	7	14	14
9	.....reservoirs 1950..	4	21	16	8	21	29
10	.....reservoirs 1940..	7	29	9	7	17	15
11	Reservoirs for which capacity was reported.....reservoirs 1950..	4	21	14	8	21	26
12	.....total capacity, acre-feet 1950..	23	215,882	46,687	2,974	32,069	5,650
13	.....1940..	641	207,715	26,693	2,625	34,300	5,597
Reservoirs by capacity:							
14	1-99 acre-feet.....reservoirs 1950..	4	7	6	4	14	14
15	100-999 acre-feet.....reservoirs 1950..	.....	7	4	3	4	11
16	1,000 acre-feet and over.....reservoirs 1950..	.....	7	4	1	3	1
Reservoir dams by material:							
17	Concrete or masonry.....dams 1950..	.....	.....	1	.....	1	3
18	Earth and rock.....dams 1950..	4	17	12	8	19	16
19	Other, mixed, and not reported.....dams 1950..	.....	4	3	.....	1	10
20	Canals and ditches.....enterprises reporting 1950..	9	170	49	104	133	28
21	.....total length, miles 1950..	23	1,658	769	258	426	150
22	.....1940..	25	1,316	687	186	453	255
23	Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	1	6	5	5	12	.....
24	.....total length, miles 1950..	( <sup>3</sup> )	10	6	2	3	.....
25	.....1940..	1	9	1	6	2	4
26	Tunnels.....enterprises reporting 1950..	.....	2	1	1	3	.....
27	.....total length, feet 1950..	.....	4,592	6,280	70	425	.....
28	Flowing wells.....enterprises reporting 1950..	2	1	.....	4	1	4
29	.....wells 1950..	2	1	.....	7	1	9
30	.....1940..	2	6	.....	5	3	2
31	Pumped wells.....enterprises reporting 1950..	1	2	51	4	.....	51
32	.....wells 1950..	2	2	63	5	.....	103
33	.....1940..	1	1	4	6	6	43
34	Wells for which pumping lift was reported.....wells 1949..	2	2	62	4	.....	103
35	Average pumping lift.....feet 1949..	62	8	40	121	.....	62
36	.....1939..	(*)	(*)	19	51	52	62
37	Irrigation pumps.....enterprises reporting 1950..	8	17	171	19	.....	55
38	.....pumps 1950..	8	18	218	28	.....	111
39	.....pumping plants 1940..	4	1	6	21	13	46
40	Electric motors used for pumping.....enterprises reporting 1950..	.....	4	72	16	.....	47
41	.....electric motors 1950..	.....	4	90	23	.....	89
42	Other motors and engines used for pumping.....enterprises reporting 1950..	6	11	110	4	.....	20
43	.....other motors and engines 1950..	6	12	123	4	.....	21
Season of Irrigation, 1949:							
44	Water delivered only before July 1.....enterprises reporting..	3	13	7	20	4	6
45	.....acres irrigated..	555	1,045	475	2,960	232	2,803
46	Water delivered before and after July 1.....enterprises reporting..	10	216	162	94	143	98
47	.....acres irrigated..	600	139,073	95,607	17,590	44,475	27,543
48	Water delivered only after July 1.....enterprises reporting..	7	.....	58	2	2	10
49	.....acres irrigated..	758	.....	3,247	118	906	411
Capital investment:							
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	35,161	8,927,587	6,058,054	380,544	534,651	432,811
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51	Enterprises reporting.....enterprises 1950..	11	102	190	34	85	57
52	Amount.....dollars 1950..	10,298	10,490,570	294,534	72,038	142,611	216,957
53	Area irrigated direct.....acres 1949..	1,143	114,429	19,850	7,357	25,266	14,608
54	Total capital investment Jan. 1, 1950.....dollars 1950..	45,459	19,418,157	6,352,588	452,582	677,262	649,768
Indebtedness: <sup>4</sup>							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
55	Enterprises reporting.....enterprises 1950..	.....	7	6	2	.....	.....
56	Amount.....dollars 1950..	.....	4,975,223	4,023,862	21,575	.....	.....
57	.....1940..	.....	7,167,237	4,389,401	45,214	.....	.....
58	Area irrigated direct.....acres 1949..	.....	66,371	67,876	4,389	.....	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
59	Enterprises reporting.....enterprises 1950..	.....	1	2	.....	.....	.....
60	Amount.....dollars 1950..	.....	228	3,566	.....	.....	.....
61	Area irrigated direct.....acres 1949..	.....	271	12,976	.....	.....	.....

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

IRRIGATION OF AGRICULTURAL LANDS

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

Item (For definitions and explanations, see text)		Lincoln	Natrona	Niobrara	Park	Platte	Sheridan
<b>ALL ENTERPRISES</b>							
<b>Irrigation works:</b>							
1	Diversion dams.....enterprises reporting 1950..	259	56	24	136	103	103
2	.....dams 1950..	416	129	51	219	226	119
3	.....dams 1940..	288	110	5	172	123	176
Diversion dams by material:							
4	Concrete or masonry.....dams 1950..	68	14	1	10	8	30
5	.....dams 1950..	122	14	.....	27	10	6
6	Earth and rock.....dams 1950..	137	95	50	157	194	79
7	Other, mixed, and not reported.....dams 1950..	89	6	.....	25	14	4
8	Reservoirs.....enterprises reporting 1950..	9	26	7	9	24	12
9	.....reservoirs 1950..	21	35	9	11	41	19
10	.....reservoirs 1940..	10	16	3	11	23	30
11	Reservoirs for which capacity was reported.....reservoirs 1950..	19	35	9	11	34	19
12	.....total capacity, acre-feet 1950..	4,894	1,265,352	1,130	513,301	61,606	13,018
13	.....total capacity, acre-feet 1940..	1,530	1,076,167	514	518,063	91,897	40,856
Reservoirs by capacity:							
14	1-99 acre-feet.....reservoirs 1950..	5	23	6	.....	22	12
15	100-999 acre-feet.....reservoirs 1950..	14	9	3	7	8	4
16	1,000 acre-feet and over.....reservoirs 1950..	.....	3	.....	4	4	3
Reservoir dams by material:							
17	Concrete or masonry.....dams 1950..	.....	3	.....	1	1	.....
18	Earth and rock.....dams 1950..	19	27	9	10	40	19
19	Other, mixed, and not reported.....dams 1950..	2	5	.....	.....	.....	.....
20	Canals and ditches.....enterprises reporting 1950..	267	30	3	113	97	111
21	.....total length, miles 1950..	686	265	9	777	331	419
22	.....total length, miles 1940..	604	178	19	747	466	698
23	Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	3	4	.....	8	.....	14
24	.....total length, miles 1950..	2	2	.....	8	.....	2
25	.....total length, miles 1940..	1	2	.....	4	( <sup>3</sup> )	5
26	Tunnels.....enterprises reporting 1950..	.....	1	.....	3	.....	2
27	.....total length, feet 1950..	.....	18,181	.....	5,309	1,200	180
28	Flowing wells.....enterprises reporting 1950..	19	2	.....	.....	1	.....
29	.....wells 1950..	31	2	.....	.....	2	.....
30	.....wells 1940..	2	1	.....	.....	.....	2
31	Pumped wells.....enterprises reporting 1950..	.....	4	.....	.....	10	4
32	.....wells 1950..	.....	5	.....	.....	14	5
33	.....wells 1940..	.....	6	.....	.....	4	4
34	Wells for which pumping lift was reported.....wells 1949..	.....	5	.....	.....	11	4
35	Average pumping lift.....feet 1949..	.....	21	.....	.....	41	12
36	.....feet 1939..	.....	12	.....	.....	25	26
37	Irrigation pumps.....enterprises reporting 1950..	1	17	17	-3	25	28
38	.....pumps 1950..	1	20	27	3	39	39
39	.....pumping plants 1940..	2	22	12	3	9	24
40	Electric motors used for pumping.....enterprises reporting 1950..	.....	8	.....	1	14	6
41	.....electric motors 1950..	.....	10	.....	1	25	6
42	Other motors and engines used for pumping.....enterprises reporting 1950..	1	7	17	1	10	22
43	.....other motors and engines 1950..	1	8	22	1	12	28
<b>Season of irrigation, 1949:</b>							
44	Water delivered only before July 1.....enterprises reporting..	.....	12	13	.....	30	6
45	.....acres irrigated..	.....	2,342	453	.....	5,639	136
46	Water delivered before and after July 1.....enterprises reporting..	265	63	21	135	111	120
47	.....acres irrigated..	97,463	17,780	2,527	76,725	57,503	54,862
48	Water delivered only after July 1.....enterprises reporting..	5	5	1	1	7	8
49	.....acres irrigated..	130	137	30	11	678	366
<b>Capital investment:</b>							
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	717,171	311,007	12,230	4,835,612	1,410,560	1,510,851
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51	Enterprises reporting.....enterprises 1950..	162	40	25	58	89	78
52	Amount.....dollars 1950..	216,699	1,342,284	60,956	3,926,609	113,193	145,142
53	Area irrigated direct.....acres 1949..	59,497	15,693	2,197	43,798	27,312	21,959
54	Total capital investment Jan. 1, 1950.....dollars 1950..	933,870	1,653,291	73,186	8,762,221	1,523,753	1,655,993
<b>Indebtedness:<sup>4</sup></b>							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
55	Enterprises reporting.....enterprises 1950..	1	1	.....	7	1	6
56	Amount.....dollars 1950..	18,000	2,800,000	.....	10,931,903	125,000	75,557
57	.....dollars 1940..	81,562	.....	.....	2,542,711	.....	700
58	Area irrigated direct.....acres 1949..	2,398	4,867	.....	62,994	16,800	6,283
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
59	Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....
60	Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....
61	Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....

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



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.]

Item (For definitions and explanations, see text)		Sublette	Sweetwater	Teton	Uinta	Washakie	Weston
ALL ENTERPRISES							
Irrigation works:							
1	Diversion dams.....enterprises reporting 1950..	130	52	49	181	86	19
2	.....dams 1950..	259	112	60	347	121	41
3	.....dams 1940..	291	80	138	390	59	12
Diversion dams by material:							
4	Concrete or masonry.....dams 1950..	8	5	6	31	3	1
5	Timber.....dams 1950..	53	8	13	101	7	1
6	Earth and rock.....dams 1950..	148	81	30	189	77	35
7	Other, mixed, and not reported.....dams 1950..	50	18	11	26	34	4
8	Reservoirs.....enterprises reporting 1950..	9	11	2	17	5	6
9	.....reservoirs 1950..	10	17	3	23	6	7
10	.....reservoirs 1940..	12	24	4	11	2	7
11	Reservoirs for which capacity was reported.....reservoirs 1950..	10	10	3	23	6	7
12	.....total capacity, acre-feet 1950..	53,826	19,214	862,274	7,136	409	6,555
13	.....total capacity, acre-feet 1940..	74,787	37,187	866,584	45,538	(*)	3,099
Reservoirs by capacity:							
14	1-99 acre-feet.....reservoirs 1950..	2	6	1	9	4	3
15	100-999 acre-feet.....reservoirs 1950..	5	3	.....	13	2	1
16	1,000 acre-feet and over.....reservoirs 1950..	3	1	2	1	.....	3
Reservoir dams by material:							
17	Concrete or masonry.....dams 1950..	.....	.....	.....	.....	.....	.....
18	Earth and rock.....dams 1950..	8	17	3	21	6	7
19	Other, mixed, and not reported.....dams 1950..	2	.....	.....	2	.....	.....
20	Canals and ditches.....enterprises reporting 1950..	115	45	51	175	68	3
21	.....total length, miles 1950..	310	169	107	484	218	3
22	.....total length, miles 1940..	973	272	297	695	253	39
23	Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	.....	.....	.....	.....	14	1
24	.....total length, miles 1950..	.....	.....	.....	.....	8	1
25	.....total length, miles 1940..	( <sup>3</sup> )	1	.....	( <sup>3</sup> )	3	1
26	Tunnels.....enterprises reporting 1950..	.....	1	.....	1	1	.....
27	.....total length, feet 1950..	.....	600	.....	900	400	.....
28	Flowing wells.....enterprises reporting 1950..	1	1	.....	.....	2	.....
29	.....wells 1950..	1	1	.....	.....	2	.....
30	.....wells 1940..	.....	2	.....	.....	2	1
31	Pumped wells.....enterprises reporting 1950..	.....	1	.....	.....	.....	2
32	.....wells 1950..	.....	4	.....	.....	.....	7
33	.....wells 1940..	.....	5	.....	.....	.....	.....
34	Wells for which pumping lift was reported.....wells 1949..	.....	4	.....	.....	.....	7
35	Average pumping lift.....feet 1949..	.....	80	.....	.....	.....	21
36	.....feet 1939..	.....	.....	.....	.....	.....	.....
37	Irrigation pumps.....enterprises reporting 1950..	1	6	.....	.....	19	6
38	.....pumps 1950..	1	9	.....	.....	19	10
39	.....pumping plants 1940..	.....	12	.....	.....	7	1
40	Electric motors used for pumping.....enterprises reporting 1950..	.....	1	.....	.....	6	2
41	.....electric motors 1950..	.....	1	.....	.....	7	3
42	Other motors and engines used for pumping.....enterprises reporting 1950..	1	5	.....	.....	13	5
43	.....other motors and engines 1950..	1	8	.....	.....	13	7
Season of irrigation, 1949:							
44	Water delivered only before July 1.....enterprises reporting..	1	.....	1	12	1	6
45	.....acres irrigated..	2,188	.....	50	2,238	35	1,693
46	Water delivered before and after July 1.....enterprises reporting..	143	63	63	177	95	17
47	.....acres irrigated..	129,815	21,480	24,609	101,478	40,037	4,956
48	Water delivered only after July 1.....enterprises reporting..	1	2	.....	2	1	.....
49	.....acres irrigated..	20	1,075	.....	2,081	12	.....
Capital investment:							
50	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	1,515,125	1,184,571	124,082	535,777	1,309,750	43,255
New capital investment Jan. 1, 1940, to Jan. 1, 1950:							
51	Enterprises reporting.....enterprises 1950..	41	29	25	64	52	7
52	Amount.....dollars 1950..	91,079	58,919	47,542	109,799	234,757	14,934
53	Area irrigated direct.....acres 1949..	47,835	4,776	11,955	52,186	19,578	2,006
54	Total capital investment Jan. 1, 1950.....dollars 1950..	1,606,204	1,243,490	171,624	645,576	1,544,507	58,189
Indebtedness: <sup>4</sup>							
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
55	Enterprises reporting.....enterprises 1950..	3	.....	1	.....	2	.....
56	Amount.....dollars 1950..	47,356	.....	68	.....	43,750	.....
57	.....dollars 1940..	60,070	393,596	.....	.....	193,964	.....
58	Area irrigated direct.....acres 1949..	19,473	.....	138	.....	5,662	.....
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:							
59	Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....
60	Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....
61	Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....

\*Not available.  
<sup>1</sup>Data for 1 enterprise in Yellowstone National Park included only in State totals for 1950 Census.  
<sup>2</sup>Pipelines in farm-distribution systems were included in 1940, not included in 1950.  
<sup>3</sup>Less than 0.5.  
<sup>4</sup>Not reported in 1940 by enterprises serving less than 5 farms, nor in 1950 by single-farm enterprises.

IRRIGATION OF AGRICULTURAL LANDS

County Table 2 (Part 3 of 4).—IRRIGATION ENTERPRISES: NUMBER AND 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 <sup>1</sup>	Albany	Big Horn	Campbell	Carbon	Converse
ALL ENTERPRISES							
	Cost of water to farms, 1949: <sup>2</sup>						
	Total cost of water to farms:						
1	Enterprises reporting.....enterprises..	3,061	221	132	21	283	144
2	Cost.....dollars..	1,695,932	26,730	218,731	2,102	31,406	48,928
3	Area irrigated direct.....acres..	1,534,148	151,647	118,945	1,735	181,469	45,857
4	Cost per acre irrigated direct.....dollars..	1.11	0.18	1.84	1.21	0.17	1.07
5	Total cost per irrigated acre.....dollars..	1.15	0.18	1.87	1.21	0.19	1.10
6	Total cost per acre-foot of water <sup>3</sup> .....dollars..	0.44	0.11	0.58	(4)	0.10	0.65
	Enterprises by cost per acre:						
7	Less than \$1.00.....enterprises reporting..	2,214	208	76	14	264	86
8	.....acres irrigated..	977,024	148,742	20,473	1,287	170,445	28,208
9	\$1.00-\$1.99.....enterprises reporting..	283	4	28	2	12	16
10	.....acres irrigated..	249,917	2,095	51,655	240	9,348	12,731
11	\$2.00-\$4.99.....enterprises reporting..	273	6	15	2	5	24
12	.....acres irrigated..	238,020	721	43,097	59	1,654	2,643
13	\$5.00-\$9.99.....enterprises reporting..	185	1	10	1	1	11
14	.....acres irrigated..	65,130	44	3,617	20	20	1,281
15	\$10.00 and over.....enterprises reporting..	106	2	3	2	1	7
16	.....acres irrigated..	4,057	45	103	129	2	994
	Cost of water for primary irrigation:						
17	Enterprises reporting.....enterprises..	2,886	217	126	21	251	140
18	Cost.....dollars..	1,648,935	26,446	216,622	2,102	29,403	48,064
19	Area supplied primary irrigation.....acres..	1,474,835	149,477	117,278	1,735	169,547	44,367
20	Cost per acre supplied.....dollars..	1.12	0.18	1.85	1.21	0.17	1.08
	Cost of water for supplemental irrigation:						
21	Enterprises reporting.....enterprises..	267	7	17		36	7
22	Cost.....dollars..	46,997	284	2,109		2,003	864
23	Area supplied supplemental irrigation.....acres..	59,313	2,170	1,667		11,922	1,490
24	Cost per acre supplied.....dollars..	0.79	0.13	1.27		0.17	0.58
	Cost to farms for purposes other than operation and maintenance: <sup>5</sup>						
25	Enterprises reporting.....enterprises..	74		7		5	
26	Cost.....dollars..	416,709		21,493		1,855	
27	Area irrigated direct.....acres..	303,039		22,739		6,263	
28	Cost per acre irrigated.....dollars..	1.38		0.95		0.30	
	Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>						
29	Enterprises reporting.....enterprises..	30	2				1
30	Amount.....dollars..	633,317	51,728				5,692
31	Area irrigated direct.....acres..	192,543	9,709				8,002
SINGLE-FARM ENTERPRISES, 1950							
32	Single-farm enterprises.....enterprises..	2,411	201	57	21	235	121
33	Area irrigated.....acres..	694,209	113,544	6,957	1,735	132,001	32,735
34	Complete-system enterprises <sup>6</sup> .....enterprises..	2,030	185	47	21	227	112
35	Area irrigated.....acres..	615,705	101,028	6,279	1,735	127,950	31,075
	Other farms irrigated:						
36	Enterprises reporting.....number..	63	2	3		1	12
37	Number of other farms.....farms..	89	9	3		6	15
38	Area irrigated in other farms.....acres..	10,932	520	208		320	1,685
	Enterprises by origin of water supply: <sup>6</sup>						
39	No water from other enterprises.....enterprises reporting..	2,053	189	49	21	228	112
40	.....acres irrigated..	616,927	101,028	6,279	1,735	127,950	31,075
41	Part of water from other enterprises.....enterprises reporting..	101	3	2		6	5
42	.....acres irrigated..	42,666	4,641	185		3,051	1,028
43	All of water from other enterprises.....enterprises reporting..	257	9	6		1	4
44	.....acres irrigated..	34,616	7,875	493		1,000	632
	Enterprises by primary and supplemental irrigation:						
45	All primary.....enterprises reporting..	2,229	192	48	21	200	114
46	.....acres irrigated..	652,946	111,329	6,027	1,735	119,126	31,142
47	Part primary, part supplemental.....enterprises reporting..	14	1	1		2	3
48	Primary irrigation.....acres irrigated..	11,445	185	35		1,067	103
49	Supplemental irrigation.....acres irrigated..	2,751	300	65		135	190
50	All supplemental.....enterprises reporting..	146	4	6		32	4
51	.....acres irrigated..	27,067	1,730	830		11,673	1,300
	Enterprises by number of acres irrigated: <sup>6</sup>						
52	None.....enterprises reporting..	22	4	2		1	
53	1-9 acres.....enterprises reporting..	124	8	4		3	2
54	10-29 acres.....enterprises reporting..	259	11	6		14	14
55	30-59 acres.....enterprises reporting..	358	14	12		14	27
56	60-99 acres.....enterprises reporting..	358	14	10		27	19
57	100-199 acres.....enterprises reporting..	477	33	14		44	18
58	200-499 acres.....enterprises reporting..	479	59	6		62	24
59	500-999 acres.....enterprises reporting..	180	29	3		31	7
60	1,000 acres or more.....enterprises reporting..	154	29			39	10

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.]

Item (For definitions and explanations, see text)	Crook	Fremont	Goshen	Hot Springs	Johnson	Laramie
ALL ENTERPRISES						
Cost of water to farms, 1949: <sup>2</sup>						
Total cost of water to farms:						
1 Enterprises reporting.....enterprises..	20	232	231	117	146	116
2 Cost.....dollars..	1,796	310,411	277,418	54,493	40,368	39,866
3 Area irrigated direct.....acres..	1,913	140,746	99,530	23,351	45,613	30,967
4 Cost per acre irrigated direct.....dollars..	0.94	2.21	2.79	2.33	0.89	1.29
5 Total cost per irrigated acre.....dollars..	0.94	2.31	2.90	2.39	0.93	1.29
6 Total cost per acre-foot of water <sup>3</sup> .....dollars..	(4)	0.66	1.53	1.26	0.66	(4)
Enterprises by cost per acre:						
7 Less than \$1.00.....enterprises reporting..	13	169	64	62	114	54
8 Cost.....acres irrigated..	1,471	38,651	18,822	12,329	34,288	21,555
9 \$1.00-\$1.99.....enterprises reporting..		24	13	14	16	7
10 Cost.....acres irrigated..		43,488	4,552	2,634	3,087	1,125
11 \$2.00-\$4.99.....enterprises reporting..	3	20	40	18	14	40
12 Cost.....acres irrigated..	320	57,121	71,022	2,127	8,138	6,553
13 \$5.00-\$9.99.....enterprises reporting..	2	10	81	14		9
14 Cost.....acres irrigated..	120	1,296	4,007	5,902		1,605
15 \$10.00 and over.....enterprises reporting..	2	9	33	9	2	6
16 Cost.....acres irrigated..	2	190	1,127	359	100	129
Cost of water for primary irrigation:						
17 Enterprises reporting.....enterprises..	20	223	195	111	143	116
18 Cost.....dollars..	1,796	294,194	271,028	52,327	39,808	39,866
19 Area supplied primary irrigation.....acres..	1,913	134,219	95,765	22,808	43,587	30,967
20 Cost per acre supplied.....dollars..	0.94	2.19	2.83	2.29	0.91	1.29
Cost of water for supplemental irrigation:						
21 Enterprises reporting.....enterprises..		17	41	8	4	
22 Cost.....dollars..		16,217	6,390	2,166	560	
23 Area supplied supplemental irrigation.....acres..		6,527	3,765	543	2,026	
24 Cost per acre supplied.....dollars..		2.48	1.70	3.99	0.28	
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>						
25 Enterprises reporting.....enterprises..		7	5	1		
26 Cost.....dollars..		111,997	88,242	1,324		
27 Area irrigated direct.....acres..		67,110	64,776	1,706		
28 Cost per acre irrigated.....dollars..		1.67	1.36	0.78		
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>						
29 Enterprises reporting.....enterprises..		4	3	3	1	
30 Amount.....dollars..		561,116	6,070	1,929	525	
31 Area irrigated direct.....acres..		73,436	53,426	5,166	235	
SINGLE-FARM ENTERPRISES, 1950						
32 Single-farm enterprises.....enterprises..	18	171	217	92	82	115
33 Area irrigated.....acres..	1,413	26,132	18,367	11,950	18,050	29,324
34 Complete-system enterprises <sup>6</sup> .....enterprises..	18	157	100	58	71	106
35 Area irrigated.....acres..	1,413	25,211	12,993	7,659	15,700	27,081
Other farms irrigated:						
36 Enterprises reporting.....number..		3	2	1	5	4
37 Number of other farms.....farms..		3	3	1	7	4
38 Area irrigated in other farms.....acres..		1,369	92	60	332	122
Enterprises by origin of water supply: <sup>6</sup>						
39 No water from other enterprises.....enterprises reporting..	18	157	106	58	71	106
40 Cost.....acres irrigated..	1,413	25,211	12,993	7,659	15,700	27,081
41 Part of water from other enterprises.....enterprises reporting..	4	2	2	10	10	2
42 Cost.....acres irrigated..		612	112	1,199	1,950	878
43 All of water from other enterprises.....enterprises reporting..	10	109	109	24	1	7
44 Cost.....acres irrigated..		309	5,262	3,092	400	1,365
Enterprises by primary and supplemental irrigation:						
45 All primary.....enterprises reporting..	18	162	173	88	82	115
46 Cost.....acres irrigated..	1,413	25,267	15,676	11,684	18,050	29,324
47 Part primary, part supplemental.....enterprises reporting..			2			
48 Primary irrigation.....acres irrigated..			15			
49 Supplemental irrigation.....acres irrigated..			11			
50 All supplemental.....enterprises reporting..	9	36	36	4		
51 Cost.....acres irrigated..		865	2,665	266		
Enterprises by number of acres irrigated: <sup>6</sup>						
52 None.....enterprises reporting..			6			
53 1-9 acres.....enterprises reporting..	2	6	26	4	1	1
54 10-29 acres.....enterprises reporting..	4	27	51	9	3	16
55 30-59 acres.....enterprises reporting..	5	30	51	18	11	19
56 60-99 acres.....enterprises reporting..	3	34	31	22	17	14
57 100-199 acres.....enterprises reporting..	3	36	33	25	30	19
58 200-499 acres.....enterprises reporting..		30	12	8	9	26
59 500-999 acres.....enterprises reporting..	1	5	5	6	8	9
60 1,000 acres or more.....enterprises reporting..		3	2		3	11

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

## IRRIGATION OF AGRICULTURAL LANDS

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

Item (For definitions and explanations, see text)		Lincoln	Natrona	Niobrara	Park	Platte	Sheridan
ALL ENTERPRISES							
Cost of water to farms, 1949: <sup>2</sup>							
Total cost of water to farms:							
1	Enterprises reporting.....enterprises..	298	83	36	140	148	133
2	Cost.....dollars..	37,012	15,612	4,150	304,670	61,386	58,687
3	Area irrigated direct.....acres..	102,842	20,628	3,089	111,854	63,907	55,653
4	Cost per acre irrigated direct.....dollars..	0.36	0.76	1.34	2.72	0.96	1.05
5	Total cost per irrigated acre.....dollars..	0.42	0.77	1.34	2.75	1.00	1.07
6	Total cost per acre-foot of water <sup>3</sup> .....dollars..	0.13	0.41	(4)	0.86	0.45	0.54
Enterprises by cost per acre:							
7	Less than \$1.00.....enterprises reporting..	264	62	22	92	91	91
8	.....acres irrigated..	89,551	14,405	1,953	28,573	25,419	39,239
9	\$1.00-\$1.99.....enterprises reporting..	21	7	5	29	30	12
10	.....acres irrigated..	11,075	5,558	457	29,109	34,046	11,846
11	\$2.00-\$4.99.....enterprises reporting..	11	3	4	13	17	11
12	.....acres irrigated..	2,021	210	430	13,759	3,543	4,067
13	\$5.00-\$9.99.....enterprises reporting..	2	6	5	5	4	6
14	.....acres irrigated..	195	412	249	40,383	500	232
15	\$10.00 and over.....enterprises reporting..	.....	5	.....	1	6	13
16	.....acres irrigated..	.....	43	.....	30	399	269
Cost of water for primary irrigation:							
17	Enterprises reporting.....enterprises..	262	82	36	136	143	133
18	Cost.....dollars..	32,402	15,270	4,150	303,508	58,957	58,051
19	Area supplied primary irrigation.....acres..	89,135	20,148	3,089	110,881	61,336	54,917
20	Cost per acre supplied.....dollars..	0.36	0.76	1.34	2.74	0.96	1.06
Cost of water for supplemental irrigation:							
21	Enterprises reporting.....enterprises..	66	2	.....	4	10	5
22	Cost.....dollars..	4,610	342	.....	1,162	2,429	636
23	Area supplied supplemental irrigation.....acres..	13,707	480	.....	973	2,571	736
24	Cost per acre supplied.....dollars..	0.34	0.71	.....	1.19	0.94	0.86
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>							
25	Enterprises reporting.....enterprises..	11	.....	.....	18	.....	4
26	Cost.....dollars..	12,140	.....	.....	134,084	.....	1,254
27	Area irrigated direct.....acres..	20,992	.....	.....	68,233	.....	4,121
28	Cost per acre irrigated.....dollars..	0.58	.....	.....	1.97	.....	0.30
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>							
29	Enterprises reporting.....enterprises..	4	.....	.....	.....	1	2
30	Amount.....dollars..	2,357	.....	.....	.....	66	586
31	Area irrigated direct.....acres..	8,009	.....	.....	.....	917	6,891
SINGLE-FARM ENTERPRISES, 1950							
32	Single-farm enterprises.....enterprises..	203	79	36	96	113	79
33	Area irrigated.....acres..	51,939	12,815	3,089	20,277	23,715	7,808
34	Complete-system enterprises <sup>6</sup> .....enterprises..	144	78	36	86	108	68
35	Area irrigated.....acres..	40,269	12,609	3,089	16,546	23,503	4,788
Other farms irrigated:							
36	Enterprises reporting.....number..	2	2	.....	2	1	6
37	Number of other farms.....farms..	3	4	.....	2	2	9
38	Area irrigated in other farms.....acres..	2,055	61	.....	126	12	395
Enterprises by origin of water supply: <sup>6</sup>							
39	No water from other enterprises.....enterprises reporting..	144	78	36	88	110	73
40	.....acres irrigated..	40,269	12,609	3,089	16,546	23,503	6,010
41	Part of water from other enterprises.....enterprises reporting..	24	1	.....	7	3	3
42	.....acres irrigated..	8,396	206	.....	3,720	212	341
43	All of water from other enterprises.....enterprises reporting..	35	.....	.....	1	.....	3
44	.....acres irrigated..	3,274	.....	.....	11	.....	1,457
Enterprises by primary and supplemental irrigation:							
45	All primary.....enterprises reporting..	186	78	36	92	106	75
46	.....acres irrigated..	39,167	12,495	3,089	20,189	23,121	7,808
47	Part primary, part supplemental.....enterprises reporting..	3	.....	.....	.....	.....	.....
48	Primary irrigation.....acres irrigated..	9,190	.....	.....	.....	.....	.....
49	Supplemental irrigation.....acres irrigated..	950	.....	.....	.....	.....	.....
50	All supplemental.....enterprises reporting..	14	1	.....	2	5	.....
51	.....acres irrigated..	2,632	320	.....	88	594	.....
Enterprises by number of acres irrigated: <sup>6</sup>							
52	None.....enterprises reporting..	.....	.....	.....	2	2	4
53	1-9 acres.....enterprises reporting..	15	6	3	1	2	20
54	10-29 acres.....enterprises reporting..	20	12	4	6	7	13
55	30-59 acres.....enterprises reporting..	34	10	10	18	11	14
56	60-99 acres.....enterprises reporting..	34	11	9	20	21	11
57	100-199 acres.....enterprises reporting..	32	19	5	22	35	10
58	200-499 acres.....enterprises reporting..	45	14	5	21	23	3
59	500-999 acres.....enterprises reporting..	14	5	.....	2	8	2
60	1,000 acres or more.....enterprises reporting..	9	2	.....	4	4	2

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.]

Item (For definitions and explanations, see text)	Sublette	Sweetwater	Teton	Uinta	Washakie	Weston
<b>ALL ENTERPRISES</b>						
<b>Cost of water to farms, 1949:<sup>2</sup></b>						
Total cost of water to farms:						
1 Enterprises reporting.....enterprises..	144	66	62	191	98	24
2 Cost.....dollars..	16,119	17,837	13,673	39,305	73,602	1,630
3 Area irrigated direct.....acres..	132,023	22,855	24,659	107,452	40,114	6,724
4 Cost per acre irrigated direct.....dollars..	0.12	0.78	0.55	0.37	1.83	0.24
5 Total cost per irrigated acre.....dollars..	0.12	0.78	0.57	0.38	1.96	0.24
6 Total cost per acre-foot of water <sup>3</sup> .....dollars..	0.04	0.33	0.16	0.20	0.63	(4)
Enterprises by cost per acre:						
7 Less than \$1.00.....enterprises reporting..	137	50	53	170	51	22
8 .....acres irrigated..	130,814	12,119	20,564	102,371	8,621	6,549
9 \$1.00-\$1.99.....enterprises reporting..	3	7	4	14	20	1
10 .....acres irrigated..	1,025	10,248	682	2,229	12,612	75
11 \$2.00-\$4.99.....enterprises reporting..	3	5	5	5	11	
12 .....acres irrigated..	164	378	3,413	1,161	15,419	
13 \$5.00-\$9.99.....enterprises reporting..		2		2	13	1
14 .....acres irrigated..		32		1,691	3,424	100
15 \$10.00 and over.....enterprises reporting..	1	2	3		3	
16 .....acres irrigated..	20	78			38	
Cost of water for primary irrigation:						
17 Enterprises reporting.....enterprises..	144	66	60	164	98	24
18 Cost.....dollars..	16,081	17,837	11,301	37,167	70,925	1,630
19 Area supplied primary irrigation.....acres..	129,923	22,855	23,796	102,154	37,639	6,724
20 Cost per acre supplied.....dollars..	0.12	0.78	0.47	0.36	1.88	0.24
Cost of water for supplemental irrigation:						
21 Enterprises reporting.....enterprises..	2		4	35	2	
22 Cost.....dollars..	38		2,372	2,138	2,677	
23 Area supplied supplemental irrigation.....acres..	2,100		863	5,298	2,475	
24 Cost per acre supplied.....dollars..	0.02		2.75	0.40	1.08	
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>						
25 Enterprises reporting.....enterprises..	2	2	8	5	2	
26 Cost.....dollars..	3,185	1,988	9,445	14,746	14,956	
27 Area irrigated direct.....acres..	16,125	1,327	4,322	12,168	13,157	
28 Cost per acre irrigated.....dollars..	0.20	1.50	2.19	1.21	1.14	
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>						
29 Enterprises reporting.....enterprises..	1		5	3		
30 Amount.....dollars..	1,324		609	1,315		
31 Area irrigated direct.....acres..	3,348		2,300	21,104		
<b>SINGLE-FARM ENTERPRISES, 1950</b>						
32 Single-farm enterprises.....enterprises..	130	62	43	163	72	24
33 Area irrigated.....acres..	93,810	9,596	11,587	50,687	9,379	6,724
34 Complete-system enterprises <sup>6</sup> .....enterprises..	120	60	43	116	63	24
35 Area irrigated.....acres..	80,211	9,534	11,587	39,493	8,653	6,724
Other farms irrigated:						
36 Enterprises reporting.....number..	3		2	4	6	2
37 Number of other farms.....farms..	4		2	4	6	2
38 Area irrigated in other farms.....acres..	1,848		414	720	388	205
Enterprises by origin of water supply: <sup>6</sup>						
39 No water from other enterprises.....enterprises reporting..	120	60	43	116	64	24
40 .....acres irrigated..	80,211	9,534	11,587	39,493	8,653	6,724
41 Part of water from other enterprises.....enterprises reporting..	5	1		13	1	
42 .....acres irrigated..	12,103	30		3,979	7	
43 All of water from other enterprises.....enterprises reporting..	5	1		34	23	
44 .....acres irrigated..	1,496	32		7,215	703	
Enterprises by primary and supplemental irrigation:						
45 All primary.....enterprises reporting..	129	62	41	135	71	24
46 .....acres irrigated..	92,110	9,596	11,377	46,543	9,379	6,724
47 Part primary, part supplemental.....enterprises reporting..	1			1		
48 Primary irrigation.....acres irrigated..	700			150		
49 Supplemental irrigation.....acres irrigated..	1,000			100		
50 All supplemental.....enterprises reporting..			2	27		
51 .....acres irrigated..			210	3,894		
Enterprises by number of acres irrigated: <sup>6</sup>						
52 None.....enterprises reporting..					1	
53 1-9 acres.....enterprises reporting..		5	1	4	8	1
54 10-29 acres.....enterprises reporting..	6	7	5	7	10	5
55 30-59 acres.....enterprises reporting..	7	13	5	13	11	4
56 60-99 acres.....enterprises reporting..	6	11	6	22	8	4
57 100-199 acres.....enterprises reporting..	16	10	9	37	18	4
58 200-499 acres.....enterprises reporting..	43	12	14	48	14	3
59 500-999 acres.....enterprises reporting..	22	3		24	2	
60 1,000 acres or more.....enterprises reporting..	30	1	3	8		3

\*Not available.  
<sup>1</sup>Data for 1 enterprise in Yellowstone National Park included only in State totals for 1950 Census.  
<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. (County Table 2, Part 4, line 66.)  
<sup>4</sup>Average not given because the number of enterprises reporting water was not sufficient to provide satisfactory data.  
<sup>5</sup>Not reported by single-farm enterprises.  
<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 State.

IRRIGATION OF AGRICULTURAL LANDS

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

Item (For definitions and explanations, see text)	The State	Albany	Big Horn	Carbon	Converse	Fremont
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>						
1 Multiple-farm enterprises, total number <sup>1</sup> .....enterprises..	693	28	78	50	23	62
2 Area irrigated direct.....acres..	839,939	38,103	111,988	49,468	13,122	114,614
3 Multiple-purpose enterprises <sup>1</sup> .....enterprises..	13	2	.....	1	.....	1
4 Area irrigated direct.....acres..	130,127	9,709	.....	45	21	45,000
5 Complete-system enterprises <sup>1</sup> .....enterprises..	462	17	67	.....	.....	40
6 Area irrigated direct.....acres..	477,320	31,673	64,080	46,183	4,920	103,948
<b>Enterprises by origin of water supply: <sup>1</sup></b>						
7 No water from other enterprises.....enterprises reporting..	573	28	70	48	23	51
8 .....acres irrigated..	602,498	38,103	64,682	48,658	13,122	97,625
9 Part of water from other enterprises.....enterprises reporting..	78	.....	6	.....	.....	4
10 .....acres irrigated..	175,075	.....	37,096	.....	.....	14,413
11 All water from other enterprises.....enterprises reporting..	42	.....	2	2	.....	7
12 .....acres irrigated..	62,366	.....	10,210	810	.....	2,576
<b>Enterprises by delivery of irrigation water: <sup>1</sup></b>						
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	47
14 Water delivered direct to farms only.....enterprises reporting..	527	16	74	40	21	.....
15 .....acres irrigated..	535,419	25,123	100,117	41,503	4,920	62,318
16 Water delivered to farms and to other enterprises.....enterprises reporting..	147	9	3	10	2	14
17 .....acres irrigated..	304,520	12,980	11,871	7,965	8,202	52,296
18 Water delivered to other enterprises only.....enterprises reporting..	19	3	1	.....	.....	1
<b>Enterprises by primary and supplemental irrigation: <sup>2</sup></b>						
19 All primary.....enterprises reporting..	565	22	67	47	23	53
20 .....acres irrigated..	610,851	37,803	94,937	48,365	13,122	20,114
21 Part primary, part supplemental.....enterprises reporting..	78	2	10	2	.....	8
22 Primary irrigation.....acres irrigated..	199,593	160	16,279	989	.....	88,838
23 Supplemental irrigation.....acres irrigated..	21,594	140	772	114	.....	5,662
24 All supplemental.....enterprises reporting..	29	.....	.....	.....	.....	.....
25 .....acres irrigated..	7,901	.....	.....	.....	.....	.....
<b>Enterprises by number of farms irrigated direct: <sup>1</sup></b>						
26 None.....enterprises reporting..	19	3	1	.....	.....	1
27 1-3.....enterprises reporting..	362	17	32	37	20	25
28 4-9.....enterprises reporting..	174	4	24	10	2	24
29 10-29.....enterprises reporting..	94	2	9	2	.....	8
30 30-99.....enterprises reporting..	29	1	6	1	1	1
31 100-299.....enterprises reporting..	11	1	6	.....	.....	1
32 300-999.....enterprises reporting..	3	.....	.....	.....	.....	2
33 1,000 or more.....enterprises reporting..	1	.....	.....	.....	.....	.....
<b>Enterprises by acres irrigated direct: <sup>1</sup></b>						
34 None.....enterprises reporting..	19	3	1	.....	.....	1
35 1-99 acres.....enterprises reporting..	78	.....	14	.....	5	9
36 100-999 acres.....enterprises reporting..	434	13	39	33	17	46
37 1,000-2,999 acres.....enterprises reporting..	110	7	14	14	.....	2
38 3,000-9,999 acres.....enterprises reporting..	36	4	4	3	1	1
39 10,000-29,999 acres.....enterprises reporting..	12	1	6	.....	.....	2
40 30,000 acres or more.....enterprises reporting..	4	.....	.....	.....	.....	1
<b>Quantities of water reported, 1949:</b>						
41 Total obtained from all sources <sup>3</sup> .....enterprises reporting..	683	25	77	49	23	62
42 .....percent of all enterprises reporting..	22	11	57	17	16	27
43 .....acre-feet..	8,478,688	201,467	609,501	139,518	37,297	718,676
44 Surface sources.....enterprises reporting..	640	25	75	47	23	55
45 .....acre-feet..	7,288,296	201,467	444,098	137,083	37,297	710,533
46 Pumped wells.....enterprises reporting..	2	.....	.....	.....	.....	.....
47 .....acre-feet..	1,834	.....	.....	.....	.....	.....
48 Other enterprises.....enterprises reporting..	118	.....	8	2	.....	11
49 .....acre-feet..	1,188,558	.....	165,403	2,435	.....	8,143
50 Conveyance loss <sup>3</sup> .....enterprises reporting..	656	20	73	47	22	61
51 .....acre-feet..	1,654,100	42,844	155,598	34,436	12,568	192,426
<b>Delivered: <sup>3</sup></b>						
52 Direct to farms.....enterprises reporting..	668	25	77	49	23	61
53 .....acre-feet..	2,405,796	96,745	452,935	100,425	22,002	377,116
54 To other enterprises.....enterprises reporting..	158	10	3	9	2	15
55 .....acre-feet..	3,972,444	61,878	568	4,657	2,727	15,634
56 For use other than irrigation.....enterprises reporting..	19	.....	1	.....	.....	3
57 .....acre-feet..	446,348	.....	400	.....	.....	133,500
<b>Delivered direct to farms for primary irrigation: <sup>2</sup></b>						
58 Enterprises reporting.....enterprises..	637	24	77	47	23	61
59 Quantity delivered.....acre-feet..	2,036,917	63,404	359,671	86,918	22,002	357,701
60 Area supplied primary irrigation.....acres..	808,259	37,963	111,216	47,878	13,120	108,952
61 Quantity supplied per acre.....acre-feet..	2.5	1.7	3.2	1.8	1.7	3.3
<b>Delivered direct to farms for supplemental irrigation: <sup>2</sup></b>						
62 Enterprises reporting.....enterprises..	101	2	9	1	.....	6
63 Quantity delivered.....acre-feet..	74,842	210	1,659	136	.....	19,242
64 Area supplied supplemental irrigation.....acres..	28,769	140	731	90	.....	5,354
65 Quantity supplied per acre.....acre-feet..	2.6	1.5	2.3	1.5	.....	3.6
66 Total quantity per irrigated acre <sup>4</sup> .....acre-feet..	2.6	1.7	3.2	1.9	1.7	3.5
<b>Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>2</sup></b>						
67 Cost for primary irrigation.....dollars..	1,336,312	13,450	208,352	11,330	10,902	277,621
68 Average cost per acre-foot.....dollars..	0.66	0.21	0.58	0.13	0.50	0.78
69 Cost for supplemental irrigation.....dollars..	34,059	0	955	140	.....	15,135
70 Average cost per acre-foot.....dollars..	0.46	0.00	0.58	1.03	.....	0.79
<b>Measurement of water to farms, 1949: <sup>2</sup></b>						
71 No water measured.....enterprises reporting..	560	22	66	32	19	59
72 .....acres irrigated..	425,305	19,141	42,244	29,354	4,294	55,652
73 Part of water measured.....enterprises reporting..	72	3	10	7	3	.....
74 .....acres irrigated..	208,652	10,033	58,186	9,906	8,412	.....
75 All water measured.....enterprises reporting..	42	1	1	6	.....	4
76 .....acres irrigated..	183,960	6,802	10,152	5,398	.....	58,962

<sup>1</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>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.

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.]

Goshen	Hot Springs	Johnson	Lincoln	Natrona	Park	Platte	Sheridan	Sublette	Sweetwater	Teton	Uinta	Washakie	All other counties
20	25	68	96	5	47	38	63	15	4	21	31	27	3
81,163	11,401	27,563	50,903	7,813	91,577	40,192	47,845	38,213	13,259	13,072	56,765	30,735	2,143
2	2	1	1	2	1	1	1	1	1	2	2	2	3
40,935	8	147	71	4	8,767	34	11	10	4	1,870	18,832	26	3
14	8	38	71	4	34	11	32	10	4	10	13	26	5
23,723	8,428	16,479	33,244	7,813	34,384	3,529	21,933	16,915	13,259	6,409	18,315	19,942	2,143
11	25	53	93	5	28	15	40	15	4	13	30	27	3
16,703	11,401	19,309	50,098	7,813	39,440	20,639	27,191	38,213	13,259	8,279	55,085	30,735	2,143
7	13	13	1	1	17	2	20	1	1	8	1	1	1
51,484	7,524	7,524	380	2	39,440	1,553	18,392	1	1	4,793	1	1	1
2	2	2	2	2	2	21	3	1	1	1	1	1	1
12,976	730	730	425	1	12,697	18,000	2,262	1	1	1,680	1	1	1
17	7	50	68	4	42	33	49	10	3	19	7	23	3
29,964	6,722	22,303	28,257	7,813	80,666	22,790	31,610	16,915	12,192	13,072	13,113	13,878	2,143
3	18	15	28	4	4	4	9	5	1	1	21	4	1
51,199	4,679	5,260	22,646	1	10,911	17,402	16,235	21,298	1,067	1	43,652	16,857	1
3	3	3	3	1	1	1	5	1	1	1	3	3	1
17	21	60	46	3	44	32	53	13	4	17	21	25	3
76,472	8,526	25,512	16,439	2,946	90,692	20,559	32,432	35,293	13,259	10,952	42,914	18,371	2,143
3	2	1	27	1	1	5	5	1	1	2	7	2	1
3,602	2,598	25	24,339	4,707	17,656	14,677	1,820	1,467	1,467	12,547	9,889	2,475	1
1,089	117	33	5,262	160	1,977	1,977	736	1,100	653	1,304	1,304	2,475	1
2	2	3	22	2	2	2	2	2	2	2	2	2	2
160	1,993	4,863	885	1	885	885	885	885	885	885	885	885	885
7	19	49	48	1	29	18	22	6	1	6	7	18	1
4	2	14	27	2	9	9	15	5	1	8	8	5	2
2	4	1	17	1	1	9	18	3	2	4	12	1	1
5	1	1	4	1	2	3	3	1	1	2	1	2	1
1	1	1	1	1	5	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	6	11	15	2	2	4	6	3	1	13	10	19	1
5	16	49	65	2	34	25	39	4	1	4	19	4	1
5	3	4	13	1	3	7	10	5	2	5	14	1	2
3	3	1	3	1	4	1	3	5	2	2	2	3	1
2	2	2	2	1	2	1	1	1	2	1	1	3	1
20	25	65	96	5	46	37	63	15	4	21	31	27	3
8	21	43	32	6	32	25	44	10	6	33	16	27	2
904,096	30,697	74,401	221,271	1,196,845	895,135	1,337,588	156,639	166,724	44,061	2,976,569	191,528	211,448	8,115
18	25	63	94	5	43	16	60	15	4	21	30	27	3
173,552	30,697	63,732	219,191	1,196,845	573,027	1,289,539	135,459	166,724	44,061	2,964,118	188,028	211,448	8,115
500	1	1	1	1	1	1	1	1	1	1	1	1	1
9	14	3	3	3	18	23	23	1	1	1,334	1	1	1
730,044	10,669	2,080	322,108	48,049	21,180	21,180	21,180	21,180	21,180	11,117	2,700	1	1
20	25	65	91	5	46	37	61	14	4	21	29	23	3
369,443	3,951	14,648	37,425	102,759	191,629	121,570	23,131	24,244	6,093	476,569	30,699	59,781	1,465
20	25	62	96	4	45	36	58	15	4	20	28	27	3
358,861	21,480	42,305	157,858	14,686	340,111	84,214	95,575	121,502	37,938	85,099	100,700	150,214	6,650
3	18	15	28	1	5	4	14	5	1	2	24	4	1
175,792	5,066	17,448	17,931	892,270	363,395	944,674	37,535	20,978	30	2,299,204	59,163	1,453	1
1	1	6	6	1	1	1	2	1	1	2	3	3	1
200	200	8,057	187,130	187,130	187,130	187,130	398	115,697	966	115,697	966	115,697	966
20	23	59	73	4	43	36	58	14	4	19	28	27	3
147,336	20,732	31,945	113,715	14,344	286,225	79,973	93,685	101,642	31,478	42,458	97,510	81,256	4,922
80,074	11,124	25,447	40,778	7,653	90,320	37,970	47,109	37,113	13,259	12,419	55,461	28,260	2,143
1.8	1.9	1.3	2.8	1.9	3.2	2.1	2.0	2.7	2.4	3.4	1.8	2.9	2.3
3	4	3	48	1	2	5	5	1	2	2	7	2	1
3,188	189	3,072	25,101	342	2,298	4,241	1,543	1,710	2,865	2,277	2,277	6,769	1
1,089	277	1,993	9,805	160	885	1,977	736	1,100	653	1,304	1,304	2,475	1
2.9	0.7	1.5	2.6	2.1	2.6	2.1	2.1	1.6	4.4	1.7	1.7	2.7	1
1.9	1.9	1.4	3.2	1.9	3.2	2.2	2.0	2.7	2.4	3.6	1.9	3.1	2.3
219,940	38,080	31,026	19,663	10,052	291,148	41,624	48,946	6,996	13,488	10,866	26,620	54,822	1,386
1.49	1.84	0.97	0.17	0.70	1.01	0.52	0.52	0.07	0.43	0.26	0.27	0.67	0.28
1,512	1,221	532	3,747	342	1,162	1,844	636	38	38	2,352	1,766	2,677	1
0.47	6.46	0.17	0.15	1.00	0.51	0.43	0.41	0.02	0.02	0.82	0.78	0.40	1
11	22	57	91	4	6	35	51	15	3	16	28	26	3
5,595	6,960	16,228	45,580	2,946	5,209	21,916	30,229	38,213	9,941	11,205	51,018	27,437	2,143
4	1	1	1	1	36	1	6	1	1	4	4	1	1
18,219	2,683	2	2	1	67,585	16,800	14,961	1	1	1,867	1	1	1
5	2	11	2	1	2	1	4	1	1	1	2	1	1
57,349	1,758	10,993	4,400	4,867	9,567	316	2,400	3,318	3,318	4,380	3,298	3,298	1

## IRRIGATION OF AGRICULTURAL LANDS

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

Item (For definitions and explanations, see text)	The State <sup>1</sup>	Albany	Big Horn	Campbell	Carbon	Converse
1 Irrigated land, 1949..... acres..	1,474,835	149,477	117,278	1,735	169,547	44,367
Area irrigated direct, by drainage basin origin of water, 1949: <sup>2</sup>						
2 All basins <sup>3</sup> ..... acres..	1,551,153	158,289	118,945	1,735	181,469	46,027
3 North Pacific Coast (Snake River) (I-H)..... acres..	76,573					
4 Snake River direct (1b)..... acres..	22,064					
5 Henrys Fork (Upper Teton River) (3b)..... acres..	2,447					
6 Salt River (4)..... acres..	48,284					
7 Gros Ventre River (5)..... acres..	3,778					
8 Great Basin (Bear River) (III-E, 1b, and 1c)..... acres..	61,149					
9 Gulf of California (Green River) (IV-E)..... acres..	269,587				17,233	
10 Green River direct (1)..... acres..	35,102					
11 Yampa River (Little Snake River) (8b)..... acres..	17,308				17,233	
12 Henrys Fork (9)..... acres..	21,005					
13 Blacks Fork..... acres..	79,232					
14 Blacks Fork direct (10a)..... acres..	65,093					
15 Hama Fork (10b)..... acres..	11,518					
16 Muddy Creek (10c)..... acres..	2,621					
17 Sandy Creek (11)..... acres..	10,110					
18 La Barge Creek (12)..... acres..	6,101					
19 Piney Creek (13)..... acres..	32,559					
20 New Fork (14)..... acres..	48,307					
21 Cottonwood Creek (15)..... acres..	15,398					
22 Horse Creek (16)..... acres..	4,465					
23 Mississippi River (VI)..... acres..	1,143,844	158,289	118,945	1,735	164,236	46,027
24 Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>3</sup> (VI-C)..... acres..	12,169			533		150
25 Cheyenne River..... acres..	11,969			533		150
26 Cheyenne River direct (5a)..... acres..	9,523					150
27 Belle Fourche River (5b)..... acres..	2,446			533		
28 Platte River excluding South Platte River (North Platte River) (VI-D)..... acres..	571,407	156,507			164,236	45,877
29 North Platte River direct (3b, 3c, and 3d)..... acres..	187,365	679			60,733	20,193
30 Horse Creek (4)..... acres..	29,087	455				
31 Laramie River..... acres..	189,916	130,594				
32 Laramie River direct (5a)..... acres..	109,947	59,849				
33 Chugwater Creek (5b)..... acres..	12,109	3,760				
34 North Laramie River (5c)..... acres..	5,712	4,837				
35 Little Laramie River (5d)..... acres..	62,148	62,148				
36 La Bonte Creek (6)..... acres..	9,005	165				8,840
37 La Prele Creek (7)..... acres..	16,844					16,844
38 Sweetwater River (8)..... acres..	12,198				1,125	
39 Medicine Bow River..... acres..	82,366	24,614			57,752	
40 Medicine Bow River direct (9a)..... acres..	28,069				28,069	
41 Little Medicine Bow River (9b)..... acres..	6,137	2,752			3,385	
42 Rock Creek (9c)..... acres..	48,160	21,862			26,298	
43 Pass Creek (10)..... acres..	14,352				14,352	
44 Spring Creek (11)..... acres..	2,907				2,907	
45 Encampment Creek (12)..... acres..	19,667				19,667	
46 Beaver Creek (13)..... acres..	7,700				7,700	
47 South Platte River (VI-E)..... acres..	18,452	1,782				
48 Lodgepole Creek (2)..... acres..	9,677	30				
49 Crow Creek (5)..... acres..	5,054					
50 Cache la Poudre River (6)..... acres..	3,721	1,752				
51 Yellowstone River excluding Big Horn River <sup>3</sup> (VI-F)..... acres..	117,759			1,202		
52 Powder River..... acres..	54,781			1,202		
53 Powder River direct (2a)..... acres..	7,168			1,202		
54 Clear Creek (2b)..... acres..	29,330					
55 Crazy Woman Creek (2c)..... acres..	10,377					
56 Middle Fork (2d)..... acres..	7,906					
57 Tongue River..... acres..	49,513					
58 Tongue River direct (3a)..... acres..	18,278					
59 Goose Creek (3b)..... acres..	31,235					
60 Clarks Fork (4a)..... acres..	12,890					
61 Big Horn River (VI-G)..... acres..	424,057		118,945			
62 Big Horn River direct (1a and 1b)..... acres..	85,464		19,931			
63 Little Horn River (2)..... acres..	1,137					
64 Shoshone River (3)..... acres..	116,399		38,003			
65 Shell Creek (4)..... acres..	11,404		11,404			
66 Graybull River (5)..... acres..	61,408		40,840			
67 Nowood Creek (6)..... acres..	18,177		8,767			
68 Owl Creek (7)..... acres..	13,352					
69 Upper Wind River (8)..... acres..	66,891					
70 Popo Agie River (9)..... acres..	49,825					

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, "Wyoming: 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)	Crook	Fremont	Goshen	Hot Springs	Johnson	Laramie
1 Irrigated land, 1949..... acres..	1,913	134,219	95,765	22,808	43,587	30,967
Area irrigated direct, by drainage basin origin of water, 1949: <sup>2</sup>						
2 All basins <sup>3</sup> ..... acres..	1,913	148,129	99,634	23,901	45,613	30,967
3 North Pacific Coast (Snake River)(1-H)..... acres..						
4 Snake River direct (1b)..... acres..						
5 Henrys Fork (Upper Teton River) (3b)..... acres..						
6 Salt River (4)..... acres..						
7 Gros Ventre River (5)..... acres..						
8 Great Basin (Bear River) (III-E, 1b, and 1c)..... acres..						
9 Gulf of California (Green River) (IV-E)..... acres..						
10 Green River direct (1)..... acres..						
11 Yampa River (Little Snake River) (8b)..... acres..						
12 Henrys Fork (9)..... acres..						
13 Blacks Fork..... acres..						
14 Blacks Fork direct (10a)..... acres..						
15 Hams Fork (10b)..... acres..						
16 Muddy Creek (10c)..... acres..						
17 Sandy Creek (11)..... acres..						
18 La Barge Creek (12)..... acres..						
19 Piney Creek (13)..... acres..						
20 New Fork (14)..... acres..						
21 Cottonwood Creek (15)..... acres..						
22 Horse Creek (16)..... acres..						
23 Mississippi River (VI)..... acres..	1,913	148,129	99,634	23,901	45,613	30,967
24 Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>3</sup> (VI-C)..... acres..	1,913					
25 Cheyenne River..... acres..	1,913					
26 Cheyenne River direct (5a)..... acres..						
27 Belle Fourche River (5b)..... acres..	1,913					
28 Platte River excluding South Platte River (North Platte River) (VI-D)..... acres..		7,533	99,634			14,297
29 North Platte River direct (3b, 3c, and 3d)..... acres..			80,457			
30 Horse Creek (4)..... acres..			18,259			10,373
31 Laramie River..... acres..			918			3,924
32 Laramie River direct (5a)..... acres..			918			
33 Chugwater Creek (5b)..... acres..						3,924
34 North Laramie River (5c)..... acres..						
35 Little Laramie River (5d)..... acres..						
36 La Bonte Creek (6)..... acres..						
37 La Prele Creek (7)..... acres..						
38 Sweetwater River (8)..... acres..		7,533				
39 Medicine Bow River..... acres..						
40 Medicine Bow River direct (9a)..... acres..						
41 Little Medicine Bow River (9b)..... acres..						
42 Rock Creek (9c)..... acres..						
43 Pass Creek (10)..... acres..						
44 Spring Creek (11)..... acres..						
45 Encampment Creek (12)..... acres..						
46 Beaver Creek (13)..... acres..						
47 South Platte River (VI-E)..... acres..						16,670
48 Lodgepole Creek (2)..... acres..						9,647
49 Crow Creek (5)..... acres..						5,054
50 Cache la Poudre River (6)..... acres..						1,969
51 Yellowstone River excluding Big Horn River <sup>3</sup> (VI-F)..... acres..					45,613	
52 Powder River..... acres..					45,613	
53 Powder River direct (2a)..... acres..					5,404	
54 Clear Creek (2b)..... acres..					22,416	
55 Crazy Woman Creek (2c)..... acres..					10,377	
56 Middle Fork (2d)..... acres..					7,416	
57 Tongue River..... acres..						
58 Tongue River direct (3a)..... acres..						
59 Goose Creek (3b)..... acres..						
60 Clarks Fork (4a)..... acres..						
61 Big Horn River (VI-G)..... acres..		140,596		23,901		
62 Big Horn River direct (1a and 1b)..... acres..		23,880		10,549		
63 Little Horn River (2)..... acres..						
64 Shoshone River (3)..... acres..						
65 Shell Creek (4)..... acres..						
66 Greybull River (5)..... acres..						
67 Nowood Creek (6)..... acres..						
68 Owl Creek (7)..... acres..				13,352		
69 Upper Wind River (8)..... acres..		66,891				
70 Popo Agie River (9)..... acres..		49,825				

See footnotes at end of County Table 3.

IRRIGATION OF AGRICULTURAL LANDS

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, "Wyoming: 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	Natrona	Niobrara	Park	Platte	Sheridan
1 Irrigated land, 1949..... acres..	89,135	20,148	3,089	110,881	61,336	54,917
Area irrigated direct, by drainage basin origin of water, 1949: <sup>2</sup>						
2 All basins <sup>3</sup> ..... acres..	103,012	20,628	3,089	111,854	63,907	57,564
3 North Pacific Coast (Snake River) (I-H)..... acres..	48,364					
4 Snake River direct (1b)..... acres..	80					
5 Henrys Fork (Upper Teton River) (3b)..... acres..						
6 Salt River (4)..... acres..	48,284					
7 Gros Ventre River (5)..... acres..						
8 Great Basin (Bear River) (III-E, 1b, and 1c)..... acres..	32,028					
9 Gulf of California (Green River) (IV-E)..... acres..	22,620					
10 Green River direct (1)..... acres..	5,101					
11 Yampa River (Little Snake River) (8b)..... acres..						
12 Henrys Fork (9)..... acres..						
13 Blacks Fork..... acres..	11,518					
14 Blacks Fork direct (10a)..... acres..						
15 Hams Fork (10b)..... acres..	11,518					
16 Muddy Creek (10c)..... acres..						
17 Sandy Creek (11)..... acres..						
18 La Barge Creek (12)..... acres..	6,001					
19 Piney Creek (13)..... acres..						
20 New Fork (14)..... acres..						
21 Cottonwood Creek (15)..... acres..						
22 Horse Creek (16)..... acres..						
23 Mississippi River (VI)..... acres..		20,628	3,089	111,854	63,907	57,564
24 Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>3</sup> (VI-C)..... acres..			2,849			
25 Cheyenne River..... acres..			2,649			
26 Cheyenne River direct (5a)..... acres..			2,649			
27 Belle Fourche River (5b)..... acres..						
28 Platte River excluding South Platte River (North Platte River) (VI-D)..... acres..		19,176	240		63,907	
29 North Platte River direct (3b, 3c, and 3d)..... acres..		15,636	240		9,427	
30 Horse Creek (4)..... acres..						
31 Laramie River..... acres..					54,480	
32 Laramie River direct (5a)..... acres..					49,180	
33 Chugwater Creek (5b)..... acres..					4,425	
34 North Laramie River (5c)..... acres..					875	
35 Little Laramie River (5d)..... acres..						
36 La Bonte Creek (6)..... acres..						
37 La Prele Creek (7)..... acres..						
38 Sweetwater River (8)..... acres..		3,540				
39 Medicine Bow River..... acres..						
40 Medicine Bow River direct (9a)..... acres..						
41 Little Medicine Bow River (9b)..... acres..						
42 Rock Creek (9c)..... acres..						
43 Pass Creek (10)..... acres..						
44 Spring Creek (11)..... acres..						
45 Encampment Creek (12)..... acres..						
46 Beaver Creek (13)..... acres..						
47 South Platte River (VI-E)..... acres..						
48 Lodgepole Creek (2)..... acres..						
49 Crow Creek (5)..... acres..						
50 Cache la Poudre River (6)..... acres..						
51 Yellowstone River excluding Big Horn River <sup>3</sup> (VI-F)..... acres..		1,052		12,890		56,427
52 Powder River..... acres..		1,052				6,914
53 Powder River direct (2a)..... acres..		562				
54 Clear Creek (2b)..... acres..						6,914
55 Crazy Woman Creek (2c)..... acres..						
56 Middle Fork (2d)..... acres..		490				
57 Tongue River..... acres..						49,513
58 Tongue River direct (3a)..... acres..						18,278
59 Goose Creek (3b)..... acres..						31,235
60 Clarks Fork (4a)..... acres..				12,890		
61 Big Horn River (VI-G)..... acres..		400		98,964		1,137
62 Big Horn River direct (1a and 1b)..... acres..		400				
63 Little Horn River (2)..... acres..						1,137
64 Shoshone River (3)..... acres..				78,396		
65 Shell Creek (4)..... acres..						
66 Greybull River (5)..... acres..				20,568		
67 Nowood Creek (6)..... acres..						
68 Owl Creek (7)..... acres..						
69 Upper Wind River (8)..... acres..						
70 Popo Agie River (9)..... acres..						

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, "Wyoming: 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)	Sublette	Sweetwater	Teton	Uinta	Washakie	Weston
1 Irrigated land, 1949.....acres..	129,923	22,855	23,796	102,154	37,639	6,724
Area irrigated direct, by drainage basin origin of water, 1949: <sup>2</sup>						
2 All basins <sup>3</sup> .....acres..	132,023	22,855	24,734	107,452	40,114	6,724
3 North Pacific Coast (Snake River) (I-H).....acres..	3,550		24,659			
4 Snake River direct (1b).....acres..	3,550		18,434			
5 Henrys Fork (Upper Teton River) (3b).....acres..			2,447			
6 Salt River (4).....acres..						
7 Gros Ventre River (5).....acres..			3,778			
8 Great Basin (Bear River) (III-E, 1b, and 1c).....acres..				29,121		
9 Gulf of California (Green River) (IV-E).....acres..	128,473	22,855	75	78,331		
10 Green River direct (1).....acres..	26,754	3,247				
11 Yampa River (Little Snake River) (8b).....acres..			75			
12 Henrys Fork (9).....acres..		9,488		11,517		
13 Blacks Fork.....acres..		900		66,814		
14 Blacks Fork direct (10a).....acres..		900		64,193		
15 Hams Fork (10b).....acres..						
16 Muddy Creek (10c).....acres..				2,621		
17 Sandy Creek (11).....acres..	890	9,220				
18 La Barge Creek (12).....acres..	100					
19 Piney Creek (13).....acres..	32,559					
20 New Fork (14).....acres..	48,307					
21 Cottonwood Creek (15).....acres..	15,398					
22 Horse Creek (16).....acres..	4,465					
23 Mississippi River (VI).....acres..					40,114	6,724
24 Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>3</sup> (VI-C).....acres..						6,724
25 Cheyenne River.....acres..						6,724
26 Cheyenne River direct (5a).....acres..						6,724
27 Belle Fourche River (5b).....acres..						
28 Platte River excluding South Platte River (North Platte River) (VI-D).....acres..						
29 North Platte River direct (3b, 3c, and 3d).....acres..						
30 Horse Creek (4).....acres..						
31 Laramie River.....acres..						
32 Laramie River direct (5a).....acres..						
33 Chugwater Creek (5b).....acres..						
34 North Laramie River (5c).....acres..						
35 Little Laramie River (5d).....acres..						
36 La Bonte Creek (6).....acres..						
37 La Prele Creek (7).....acres..						
38 Sweetwater River (8).....acres..						
39 Medicine Bow River.....acres..						
40 Medicine Bow River direct (9a).....acres..						
41 Little Medicine Bow River (9b).....acres..						
42 Rock Creek (9c).....acres..						
43 Pass Creek (10).....acres..						
44 Spring Creek (11).....acres..						
45 Encampment Creek (12).....acres..						
46 Beaver Creek (13).....acres..						
47 South Platte River (VI-E).....acres..						
48 Lodgepole Creek (2).....acres..						
49 Crow Creek (5).....acres..						
50 Cache la Poudre River (6).....acres..						
51 Yellowstone River excluding Big Horn River <sup>3</sup> (VI-F).....acres..						
52 Powder River.....acres..						
53 Powder River direct (2a).....acres..						
54 Clear Creek (2b).....acres..						
55 Crazy Woman Creek (2c).....acres..						
56 Middle Fork (2d).....acres..						
57 Tongue River.....acres..						
58 Tongue River direct (3a).....acres..						
59 Goose Creek (3b).....acres..						
60 Clarks Fork (4a).....acres..						
61 Big Horn River (VI-G).....acres..					40,114	
62 Big Horn River direct (1a and 1b).....acres..					30,704	
63 Little Horn River (2).....acres..						
64 Shoshone River (3).....acres..						
65 Shell Creek (4).....acres..						
66 Greybull River (5).....acres..						
67 Nowood Creek (6).....acres..					9,410	
68 Owl Creek (7).....acres..						
69 Upper Wind River (8).....acres..						
70 Popo Agie River (9).....acres..						

<sup>1</sup> Data for 1 enterprise in Yellowstone National Park included only in State totals for 1950 Census.

<sup>2</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 a drainage basin may exceed the acreage irrigated direct shown in County Table 2 or Drainage Basin Table 1.

<sup>3</sup> Data for less than 3 enterprises in Basins VI-C-3 and VI-F-1d included only in totals.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State <sup>1</sup>	North Pacific Coast (Snake River) (I-H)					Great Basin (Bear River) (III-E)		
		Total	Snake River direct	Henry's Fork (Upper Teton River)	Salt River	Gros Ventre River	Total	Below Woodruff, Utah	Above Woodruff
			(1b)	(3b)	(4)	(5)		(1b)	(1c)
<b>ALL ENTERPRISES</b>									
<b>Farms and land irrigated:</b>									
1 All irrigation enterprises.....enterprises 1950..	3,104	268	58	8	189	13	117	47	70
2       Irrigated land <sup>3</sup> .....acres 1949..	3,385	305	133	20	130	22	102	(*)	(*)
3       Interbasin.....enterprises 1950..	34	1	1				4	2	2
4       Farms irrigated direct per enterprise <sup>2</sup> .....farms 1950..	3.2	3.4	1.7	4.5	4.0	1.6	1.8	1.5	2.0
5       Irrigated land <sup>3</sup> .....acres 1949..	1,474,835	66,689	21,764	2,447	39,263	3,215	55,903	27,402	28,501
6       .....acres 1939..	1,486,498	82,967	23,229	3,467	48,048	8,223	62,803	30,585	32,218
7       Average per enterprise.....acres 1949..	475	249	375	306	208	247	478	583	407
8       Average acreage irrigated direct per enterprise <sup>2</sup> .....acres 1949..	494	286	380	306	255	291	521	676	416
<b>Type of enterprise, 1950:</b>									
9 Single-farm.....enterprises..	2,411	161	46	2	103	10	94	40	54
10       .....acres irrigated..	694,209	22,263	13,887	(*)	7,046	1,258	38,120	24,798	13,322
<b>Mutual:</b>									
11 Unincorporated.....enterprises..	538	90	11	2	75	2	16	4	12
12       .....acres irrigated..	275,597	35,759	8,177	(*)	24,075	(*)	8,548	3,392	5,156
13 Incorporated.....enterprises..	120	15		4	10	1	6	2	4
14       .....acres irrigated..	241,211	14,851		1,388	13,463	(*)	11,843	(*)	10,643
15 Commercial.....enterprises..	2								
16       .....acres irrigated..	(*)								
17 District.....enterprises..	27	1			1		1	1	
18       .....acres irrigated..	232,058	(*)			(*)		(*)	(*)	
19 U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	5	1	1						
20       .....acres irrigated..	58,634								
21 U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	1								
22       .....acres irrigated..	27,000								
23 State.....enterprises..									
24       .....acres irrigated..									
25 City.....enterprises..									
26       .....acres irrigated..									
<b>Use of surface, ground, pumped and stored water, 1949:</b>									
<b>Surface water:</b>									
27 Gravity only.....enterprises reporting..	2,644	266	57	8	188	13	117	47	70
28       .....acres irrigated..	1,483,488	76,343	22,064	2,447	48,054	3,778	60,909	31,788	29,121
29 Pumped only.....enterprises reporting..	266	1			1				
30       .....acres irrigated..	18,199	230			230				
31 Gravity and pumped.....enterprises reporting..	45								
32       .....acres irrigated..	12,179								
33 Ground water only (pumped from wells).....enterprises reporting..	110								
34       .....acres irrigated..	9,438								
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	39	1	1						
36       .....acres irrigated..	10,844								
<b>Stored water:</b>									
37 None stored.....enterprises reporting..	2,577	265	57	8	188	12	104	41	63
38       .....acres irrigated..	1,009,870	76,368	22,064	2,447	48,199	3,658	53,515	29,148	24,367
39 Part stored.....enterprises reporting..	287	2	1		1	1	11	5	6
40       .....acres irrigated..	458,858	120				120	6,944	2,585	4,359
41 All stored.....enterprises reporting..	240	1			1		2	1	1
42       .....acres irrigated..	65,420	85			85		450	55	395
<b>Sources of surface water, 1949:<sup>6</sup></b>									
43 Streams (and lakes).....enterprises reporting..	2,858	219	56	8	142	13	112	43	69
44       .....acres irrigated..	1,511,283	70,781	21,928	2,447	42,628	3,778	59,991	31,265	28,726
45 Springs.....enterprises reporting..	166	44	4		38	2	9	9	
46       .....acres irrigated..	58,558	7,999	3,031		2,448	2,520	13,303	13,303	
47 Flowing wells.....enterprises reporting..	53	18			18				
48       .....acres irrigated..	19,043	3,753			3,753				
49 Drainage water.....enterprises reporting..	63	3			3		2	1	1
50       .....acres irrigated..	33,746	380			380		1,595	1,200	395
51 Sewage.....enterprises reporting..	3						1		1
52       .....acres irrigated..	1,560						100		100
53 Other sources.....enterprises reporting..									
54       .....acres irrigated..									
<b>Drainage of irrigated land:<sup>7</sup></b>									
<b>Irrigated land drained:</b>									
55 Enterprises reporting.....enterprises 1949..	170	6	4		2		6	3	3
56       Area supplied primary irrigation.....acres 1949..	438,993	3,937	3,807		130		3,743	2,236	1,507
57       Area artificially drained.....acres 1949..	239,196	585	580		5		208	176	32
58       .....acres 1939..	175,394							(*)	(*)
<b>Irrigated land in need of drainage:</b>									
59 Enterprises reporting.....enterprises 1949..	367	12	3		8	1	15	8	7
60       Area supplied primary irrigation.....acres 1949..	374,158	7,522	4,062		2,810	650	15,130	12,662	2,468
61       Area in need of drainage.....acres 1949..	45,189	759	400		279	80	1,193	910	283
62       .....acres 1939..	44,997	(*)	(*)				5,252	(*)	(*)

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]

Gulf of California (Green River) (IV-E)														
Total	Green River direct	Yampa River (Little Snake River)	Henry's Fork	Blacks Fork			Sandy Creek	La Barge Creek	Piney Creek	New Fork	Cottonwood Creek	Horse Creek		
				Total	Blacks Fork direct	Hans Fork								Muddy Creek
(1)	(8b)	(9)	(10a)	(10b)	(10c)	(11)	(12)	(13)	(14)	(15)	(16)			
423	69	44	46	147	99	38	10	11	11	29	54	11	5	1
676	(*)	47	58	168	135	42	11	16	14	28	143	22	(*)	2
5	1			2	1	1		1		2	1			3
2.0	1.2	1.8	1.7	2.3	2.9	1.1	1.0	6.9	1.0	1.3	2.2	0.9	1.4	4
260,924	33,832	15,653	21,005	74,494	60,445	11,458	2,591	10,110	6,101	31,559	48,307	15,398	4,465	5
273,971	51,674	14,894	16,890	59,038	43,790	10,246	5,002	12,737	6,773	26,881	46,724	25,345	13,015	6
617	490	356	457	507	611	302	259	919	555	1,088	895	1,400	893	7
637	506	392	457	541	658	309	262	919	555	1,123	895	1,400	893	8
383	64	40	43	130	85	35	10	10	11	25	49	11	4	9
168,580	22,162	11,344	16,200	37,091	24,287	10,183	2,621	1,496	6,101	28,282	26,671	15,398	3,835	10
25	4	2		11	8	3		1		4	2		1	11
39,141	7,830	(*)		15,007	13,432	1,575		(*)		4,277	(*)		(*)	12
12	1	2	3	6	6									13
42,388	(*)	(*)	4,805	27,374	27,374									14
1														15
(*)											(*)			16
(*)											(*)			17
														18
														19
														20
														21
														22
														23
														24
														25
														26
416	62	44	46	147	99	38	10	11	11	29	54	11	5	27
269,216	34,566	17,233	21,005	79,472	65,093	11,758	2,621	10,110	6,101	32,559	48,307	15,398	4,465	28
5	5													29
233	233													30
1	1													31
125	125													32
														33
1	1													34
8	8													35
														36
382	62	41	40	134	92	37	5	9	11	27	45	11	5	37
221,053	33,988	16,213	16,211	72,003	59,967	11,678	358	1,476	6,101	30,774	24,424	15,398	4,465	38
23	3	1	2	10	5	1	4			1	7			39
36,297	750	925	3,348	6,391	4,248	80	2,063			1,760	23,123			40
18	4	2	4	3	2		1	2		1	2			41
12,232	194	95	1,446	1,078	878		200	8,634		25	760			42
														43
405	60	44	41	143	98	35	10	11	11	29	54	11	5	44
268,370	34,300	17,233	20,810	79,087	64,883	11,583	2,621	10,110	6,101	32,559	48,307	15,398	4,465	45
30	12		8	7	1	6		1		1	1			46
7,695	1,072		2,450	1,570	260	1,310		80		490	2,033			47
														48
3	3													49
810	810													50
12	1		1	3	1		2			5	1	1		51
11,315	45		260	703	210		493			3,694	2,033	4,580		52
														53
														54
														55
21	2	2	2	9		9		1		2	3			56
31,400	5,065	1,035	2,400	2,181		2,181		8,614		4,030	8,075			57
2,838	210	106	120	1,692		1,692		100		150	460			58
26	(*)										26		(*)	59
61	11	7	14	15	9	5	1	2	2	1	6	2	1	60
54,487	9,931	3,270	10,378	14,061	12,693	905	463	190	1,880	150	11,787	840	2,000	61
4,736	904	196	663	1,186	730	416	40	55	100	50	1,852	80	150	62
2,450	(*)			425	425			(*)			525		(*)	63

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Mississippi River (VI)	Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>1</sup> (VI-C)				Platte River excluding South Platte River (North Platte River) (VI-D)				
		Cheyenne River			Total	North Platte River direct				
		Total	Cheyenne River direct (5a)	Belle Fourche River (5b)		Total	Below Guernsey Reservoir (3b)	Guernsey Reservoir to Alcova Dam (3c)	Above Alcova Dam (3d)	
<b>ALL ENTERPRISES</b>										
<b>Farms and land irrigated:</b>										
1 All irrigation enterprises.....enterprises 1950..	2,299	88	86	59	27	1,117	492	200	199	95
2 1940..	2,308	(*)	71	37	34	979	339	(*)	(*)	(*)
3 Interbasin.....enterprises 1950..	27	1	1	.....	1	14	7	1	4	4
4 Farms irrigated direct per enterprise <sup>2</sup> .....farms 1950..	3.5	1.1	1.1	1.0	1.1	2.4	2.9	5.0	1.5	1.2
5 Irrigated land <sup>3</sup> .....acres 1949..	1,091,319	12,169	11,969	9,523	2,446	543,673	189,062	82,223	49,248	57,591
6 1939..	1,066,757	5,087	4,722	3,824	898	519,685	172,374	81,334	36,897	54,143
7 Average per enterprise.....acres 1949..	475	138	139	161	91	487	384	411	247	606
8 Average acreage irrigated direct per enterprise <sup>2</sup> .....acres 1949..	490	138	139	161	91	505	400	427	254	640
<b>Type of enterprise, 1950:</b>										
9 Single-farm.....enterprises..	1,775	86	84	59	25	956	438	185	175	78
10 acres irrigated..	465,246	11,669	11,469	9,523	1,946	337,571	87,264	9,891	34,136	43,237
<b>Mutual:</b>										
11 Unincorporated.....enterprises..	408	1	1	.....	1	132	35	6	17	12
12 acres irrigated..	192,149	(*)	(*)	.....	(*)	98,302	23,159	5,976	4,070	13,113
13 Incorporated.....enterprises..	87	1	1	.....	1	20	12	4	5	3
14 acres irrigated..	172,129	(*)	(*)	.....	(*)	38,542	20,497	8,560	7,474	4,463
15 Commercial.....enterprises..	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
16 District.....enterprises..	(*)	.....	.....	.....	.....	.....	.....	.....	.....	.....
17 acres irrigated..	23	.....	.....	.....	.....	7	5	5	.....	.....
18 acres irrigated..	209,835	.....	.....	.....	.....	85,209	61,026	61,026	.....	.....
19 U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..	4	.....	.....	.....	.....	2	2	.....	2	2
20 acres irrigated..	58,634	.....	.....	.....	.....	4,867	4,867	.....	4,867	.....
21 U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
22 acres irrigated..	27,000	.....	.....	.....	.....	.....	.....	.....	.....	.....
23 State.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 City.....enterprises..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Use of surface, ground, pumped and stored water, 1949:</b>										
<b>Surface water:</b>										
27 Gravity only.....enterprises reporting..	1,848	50	48	34	14	857	268	36	142	92
28 acres irrigated..	1,077,020	7,340	7,140	5,896	1,244	537,281	175,695	76,357	39,304	60,034
29 Pumped only.....enterprises reporting..	260	25	25	17	8	157	144	109	35	.....
30 acres irrigated..	17,736	1,605	1,605	1,217	388	10,299	9,000	5,009	3,991	.....
31 Gravity and pumped.....enterprises reporting..	44	7	7	4	3	23	18	8	9	1
32 acres irrigated..	12,054	580	580	360	220	7,993	5,657	736	4,594	327
33 Ground water only (pumped from wells).....enterprises reporting..	110	3	3	2	1	58	48	42	6	.....
34 acres irrigated..	9,438	244	244	150	94	2,996	2,531	2,391	140	.....
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	37	3	3	2	1	22	14	5	7	2
36 acres irrigated..	10,836	2,400	2,400	1,900	500	5,922	3,930	960	2,518	452
<b>Stored water:</b>										
37 None stored.....enterprises reporting..	1,829	67	65	45	20	825	312	75	160	77
38 acres irrigated..	658,934	7,374	7,174	5,177	1,997	342,587	86,960	10,005	32,272	44,683
39 Part stored.....enterprises reporting..	251	10	10	8	2	128	55	15	27	14
40 acres irrigated..	415,497	4,191	4,191	4,076	115	175,061	92,461	64,631	12,145	15,685
41 All stored.....enterprises reporting..	219	11	11	6	5	164	125	110	12	4
42 acres irrigated..	52,653	604	604	270	334	46,843	17,392	10,817	6,130	445
<b>Sources of surface water, 1949:<sup>6</sup></b>										
43 Streams (and lakes).....enterprises reporting..	2,125	75	73	49	24	1,031	428	156	184	90
44 acres irrigated..	1,112,141	11,115	10,915	8,623	2,292	558,326	192,558	82,925	49,122	60,511
45 Springs.....enterprises reporting..	83	8	8	4	4	44	18	2	9	7
46 acres irrigated..	29,561	312	312	82	230	24,418	3,025	137	946	1,942
47 Flowing wells.....enterprises reporting..	32	2	2	.....	2	11	4	.....	2	2
48 acres irrigated..	14,480	140	140	.....	140	9,723	217	.....	120	97
49 Drainage water.....enterprises reporting..	46	5	5	5	.....	25	9	1	4	4
50 acres irrigated..	20,456	708	708	708	.....	6,814	2,992	1,550	505	937
51 Sewage.....enterprises reporting..	2	.....	.....	.....	.....	1	1	.....	.....	1
52 acres irrigated..	1,460	.....	.....	.....	.....	60	60	.....	.....	60
53 Other sources.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54 acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Drainage of irrigated land:<sup>7</sup></b>										
<b>Irrigated land drained:</b>										
55 Enterprises reporting.....enterprises 1949..	137	1	1	.....	1	53	21	6	5	10
56 Area supplied primary irrigation.....acres 1949..	399,913	1	1	.....	1	112,774	57,292	47,885	2,485	6,922
57 Area artificially drained.....acres 1949..	235,565	1	1	.....	1	51,567	44,809	42,916	655	1,238
58 acres 1939..	175,368	(*)	.....	.....	.....	37,050	16,809	(*)	(*)	(*)
<b>Irrigated land in need of drainage:</b>										
59 Enterprises reporting.....enterprises 1949..	279	2	2	1	1	130	37	5	13	19
60 Area supplied primary irrigation.....acres 1949..	297,019	1,405	1,405	1,311	94	156,457	59,381	40,803	5,836	12,742
61 Area in need of drainage.....acres 1949..	38,501	335	335	330	5	17,106	4,847	1,342	630	2,875
62 acres 1939..	37,270	(*)	.....	.....	.....	10,012	2,730	(*)	(*)	(*)

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



IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	South Platte River (VI-E)				Yellowstone River excluding Big Horn River <sup>1</sup> (VI-F)					
	Total	Lodge- pole Creek	Crow Creek	Cache la Poudre River	Total <sup>1</sup>	Powder River				
						Total	Powder River direct	Clear Creek	Crazy Woman Creek	Middle Fork
	(2)	(5)	(6)		(2a)	(2b)	(2c)	(2d)		
<b>ALL ENTERPRISES</b>										
<b>Farms and land irrigated:</b>										
1 All irrigation enterprises.....enterprises 1950..	87	50	21	17	354	186	22	99	30	37
2 1940..	84	38	22	24	(*)	209	35	100	43	31
3 Interbasin.....enterprises 1950..	2	2		1	2	2	2	1		1
4 Farms irrigated direct per enterprise <sup>2</sup> .....farms 1950..	1.0	1.0	1.0	1.0	3.0	2.0	2.4	2.3	1.6	1.3
5 Irrigated land <sup>3</sup> .....acres 1949..	18,452	9,677	5,054	3,721	113,086	50,844	7,168	25,639	10,377	7,660
6 1939..	15,066	5,894	5,575	3,597	134,344	54,516	6,868	31,236	7,796	8,616
7 Average per enterprise.....acres 1949..	212	194	241	219	319	273	326	259	346	207
8 Average acreage irrigated direct per enterprise <sup>2</sup> .....acres 1949..	212	194	241	219	327	284	326	277	346	214
<b>Type of enterprise, 1950:</b>										
9 Single-farm.....enterprises..	87	50	21	17	215	113	20	44	21	29
10 acres irrigated..	18,452	9,677	5,054	3,721	33,168	21,441	2,034	6,830	5,894	6,683
<b>Mutual:</b>										
11 Unincorporated.....enterprises..					108	64	(4) 1	47	9	8
12 acres irrigated..					39,268	20,902	(4) 1	14,854	4,483	1,223
13 Incorporated.....enterprises..					29	8	1	7		
14 acres irrigated..					39,186	8,436	(4) 1	3,644		
15 Commercial.....enterprises..					(4) 1	(4) 1		(4) 1		
16 acres irrigated..					(4) 1	(4) 1		(4) 1		
17 District.....enterprises..					(4) 1					
18 acres irrigated..					(4) 1					
19 U. S. Bureau of Reclamation <sup>5</sup> .....enterprises..										
20 acres irrigated..										
21 U. S. Bureau of Indian Affairs <sup>5</sup> .....enterprises..										
22 acres irrigated..										
23 State.....enterprises..										
24 acres irrigated..										
25 City.....enterprises..										
26 acres irrigated..										
<b>Use of surface, ground, pumped and stored water, 1949:</b>										
<b>Surface water:</b>										
27 Gravity only.....enterprises reporting..	37	9	12	17	321	175	17	93	30	37
28 acres irrigated..	10,843	2,850	4,272	3,721	114,720	52,408	6,873	27,252	10,377	7,906
29 Pumped only.....enterprises reporting..	1		1		23	9	3	6		
30 acres irrigated..	40		40		728	397	230	167		
31 Gravity and pumped.....enterprises reporting..					5	2	2			
32 acres irrigated..					95	65	65			
33 Ground water only (pumped from wells).....enterprises reporting..	42	36	6		4					
34 acres irrigated..	6,084	5,504	580		8					
35 Surface (gravity or pumped) and ground water.....enterprises reporting..	7	5	2		1					
36 acres irrigated..	1,485	1,323	162		297					
<b>Stored water:</b>										
37 None stored.....enterprises reporting..	76	45	17	15	298	160	13	87	26	36
38 acres irrigated..	12,834	7,709	3,254	1,871	84,718	43,466	6,381	21,746	8,263	7,076
39 Part stored.....enterprises reporting..	6	4		2	37	14		9	4	1
40 acres irrigated..	2,818	968		1,850	30,133	8,482		5,538	2,114	830
41 All stored.....enterprises reporting..	5	1	4		19	12	9	3		
42 acres irrigated..	2,800	1,000	1,800		997	922	787	135		
<b>Sources of surface water, 1949:<sup>6</sup></b>										
43 Streams (and lakes).....enterprises reporting..	44	13	15	17	344	182	21	96	30	37
44 acres irrigated..	12,303	4,108	4,474	3,721	115,571	52,635	7,098	27,254	10,377	7,906
45 Springs.....enterprises reporting..	9		2	7	6	6		4		2
46 acres irrigated..	1,447		135	1,312	1,283	1,283		433		850
47 Flowing wells.....enterprises reporting..	4	2	1	1	3	3	2			1
48 acres irrigated..	1,840	65	125	1,650	895	895	65			830
49 Drainage water.....enterprises reporting..	1		1		6	4	2	2		
50 acres irrigated..	125		125		387	353	170	183		
51 Sewage.....enterprises reporting..	1									
52 acres irrigated..	1,400		1,400							
53 Other sources.....enterprises reporting..										
54 acres irrigated..										
<b>Drainage of irrigated land:<sup>7</sup></b>										
<b>Irrigated land drained:</b>										
55 Enterprises reporting.....enterprises 1949..	4			4	21	12	1	9		2
56 Area supplied primary irrigation.....acres 1949..	2,600			2,600	18,079	9,499	4,792	4,298		409
57 Area artificially drained.....acres 1949..	126			126	2,382	1,290	800	467		23
58 acres 1939..					(*)	80	(*)			
<b>Irrigated land in need of drainage:</b>										
59 Enterprises reporting.....enterprises 1949..	13	4	2	7	58	42		29	7	6
60 Area supplied primary irrigation.....acres 1949..	2,977	1,400	525	1,052	31,643	17,840		10,435	4,986	2,419
61 Area in need of drainage.....acres 1949..	217	33	50	134	2,811	1,892		1,266	440	186
62 acres 1939..	55		(*)	(*)	(*)	398		368		(*)

<sup>1</sup>Not available.  
<sup>2</sup>Data for less than 3 enterprises in Basins VI-C-3 and VI-F-1d included only in totals.  
<sup>3</sup>Farms and acreage irrigated direct by 2 or more enterprises are counted for each enterprise.  
<sup>4</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>5</sup>Data for less than 3 enterprises not shown separately.  
<sup>6</sup>Data for less than 3 enterprises shown with permission of the enterprise.  
<sup>7</sup>Enterprises reporting water from more than 1 source are counted for each.  
<sup>8</sup>For interbasin and interstate enterprises, data represent characteristics within the drainage basin or State.



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]

Table with columns for drainage basins: Tongue River (Goose Creek, Clarks Fork), Big Horn River direct (Total, Below Thermop-lis, Above Thermop-lis), Little Horn River, Shoshone River, Shell Creek, Greybull River, Nowood Creek, Owl Creek, Upper Wind River, and Popo Agie River. Rows include various metrics and values for 1950 and 1940.

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State <sup>1</sup>	North Pacific Coast (Snake River) (I-H)					Great Basin (Bear River) (III)		
		Total	Snake River direct (1b)	Henry's Fork (Upper Teton River) (3b)	Salt River (4)	Gros Ventre River (5)	Total	Below Woodruff, Utah	Above Woodru (1c)
<b>ALL ENTERPRISES</b>									
<b>Irrigation works:</b>									
1	Diversion dams.....enterprises reporting 1950..	2,466	242	50	5	178	9	99	30
2	dams 1950..	5,228	347	62	6	270	9	159	49
3	1940..	4,205	313	141	19	138	15	139	(*)
Diversion dams by material:									
4	Concrete or masonry.....dams 1950..	516	61	4	1	55	1	27	11
5	Timber.....dams 1950..	771	118	14	2	99	3	30	13
6	Earth and rock.....dams 1950..	3,420	136	33	3	95	5	85	23
7	Other, mixed, and not reported.....dams 1950..	521	32	11	.....	21	.....	17	2
8	Reservoirs.....enterprises reporting 1950..	303	3	1	.....	1	1	12	6
9	reservoirs 1950..	458	4	2	.....	1	1	23	17
10	1940..	334	6	3	1	2	.....	2	(*)
11	Reservoirs for which capacity was reported.....reservoirs 1950..	419	4	2	.....	1	1	23	17
12	total capacity, acre-feet 1950..	4,370,044	862,646	862,182	.....	372	92	6,779	4,517
13	1940..	3,379,957	866,965	851,380	(*)	.....	.....	(*)	(*)
Reservoirs by capacity:									
14	1-99 acre-feet.....reservoirs 1950..	216	1	.....	.....	1	.....	5	4
15	100-999 acre-feet.....reservoirs 1950..	145	1	.....	.....	1	.....	18	13
16	1,000 acre-feet and over.....reservoirs 1950..	58	2	.....	.....	.....	.....	.....	.....
Reservoir dams by material:									
17	Concrete or masonry.....dams 1950..	16	.....	.....	.....	.....	.....	.....	.....
18	Earth and rock.....dams 1950..	409	3	2	.....	.....	1	20	16
19	Other, mixed, and not reported.....dams 1950..	33	1	.....	.....	1	.....	3	1
20	Canals and ditches.....enterprises reporting 1950..	2,116	232	42	7	170	13	107	44
21	total length, miles 1950..	9,822	489	69	18	374	28	382	198
22	1940..	11,762	622	262	28	263	68	356	(*)
23	Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	100	1	.....	.....	1	.....	2	2
24	total length, miles 1950..	56	.....	.....	.....	( <sup>3</sup> )	.....	2	2
25	1940..	70	( <sup>3</sup> )	.....	.....	( <sup>3</sup> )	.....	1	(*)
26	Tunnels.....enterprises reporting 1950..	20	.....	.....	.....	.....	.....	1	(*)
27	total length, feet 1950..	46,874	.....	.....	.....	.....	.....	900	9
28	Flowing wells.....enterprises reporting 1950..	53	18	.....	.....	18	.....	.....	.....
29	wells 1950..	98	30	.....	.....	30	.....	.....	.....
30	1940..	36	.....	.....	.....	.....	.....	.....	(*)
31	Pumped wells.....enterprises reporting 1950..	146	.....	.....	.....	.....	.....	.....	.....
32	wells 1950..	248	.....	.....	.....	.....	.....	.....	.....
33	1940..	94	.....	.....	.....	.....	.....	.....	(*)
34	Wells for which pumping lift was reported.....wells 1949..	242	.....	.....	.....	.....	.....	.....	.....
35	Average pumping lift.....feet 1949..	52	.....	.....	.....	.....	.....	.....	.....
36	1939..	46	.....	.....	.....	.....	.....	.....	(*)
37	Irrigation pumps.....enterprises reporting 1950..	456	1	.....	.....	1	.....	.....	.....
38	pumps 1950..	651	1	.....	.....	1	.....	.....	.....
39	1940..	230	.....	.....	.....	.....	.....	.....	(*)
40	Electric motors used for pumping.....enterprises reporting 1950..	197	.....	.....	.....	.....	.....	2	(*)
41	electric motors 1950..	288	.....	.....	.....	.....	.....	.....	(*)
42	1940..	37	.....	.....	.....	.....	.....	.....	(*)
43	Other motors and engines used for pumping.....enterprises reporting 1950..	273	1	.....	.....	1	.....	.....	.....
44	other motors and engines 1950..	327	1	.....	.....	1	.....	.....	.....
45	1940..	187	.....	.....	.....	.....	.....	2	(*)
<b>Season of irrigation, 1949:</b>									
46	Water delivered only before July 1.....enterprises reporting..	214	1	.....	.....	.....	.....	6	.....
47	acres irrigated..	41,845	50	.....	50	.....	.....	540	5
48	Water delivered before and after July 1.....enterprises reporting..	2,671	253	58	7	175	13	105	41
49	acres irrigated..	1,428,391	75,534	22,064	2,397	47,295	3,778	58,151	29,570
50	Water delivered only after July 1.....enterprises reporting..	118	5	.....	.....	5	.....	.....	.....
51	acres irrigated..	10,860	130	.....	.....	130	.....	.....	.....
<b>Capital investment:</b>									
52	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	41,522,801	421,314	83,542	10,434	281,918	45,420	538,271	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950:									
53	Enterprises reporting.....enterprises 1950..	1,551	120	17	4	91	8	62	29
54	Amount.....dollars 1950..	18,463,589	127,182	14,867	4,000	78,390	29,925	97,729	70,240
55	Area irrigated direct.....acres 1949..	742,384	44,188	8,352	1,751	30,743	3,342	28,662	15,144
56	Total capital investment Jan. 1, 1950.....dollars 1950..	59,986,390	548,496	98,409	14,434	360,308	75,345	636,000	(*)
<b>Indebtedness:<sup>4</sup></b>									
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
57	Enterprises reporting.....enterprises 1950..	43	1	.....	.....	.....	.....	1	1
58	Amount.....dollars 1950..	24,538,973	68	.....	68	.....	.....	18,000	18,000
59	1940..	16,699,485	39,562	.....	.....	39,562	.....	42,000	(*)
60	Area irrigated direct.....acres 1949..	307,998	138	.....	138	.....	.....	2,398	2,398
Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:									
61	Enterprises reporting.....enterprises 1950..	5	.....	.....	.....	.....	.....	.....	.....
62	Amount.....dollars 1950..	77,654	.....	.....	.....	.....	.....	.....	.....
63	Area irrigated direct.....acres 1949..	25,011	.....	.....	.....	.....	.....	.....	.....

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



IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Mississippi River (VI)	Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>1</sup> (VI-C)				Platte River excluding South Platte River (North Platte River) (VI-D)					
		Total <sup>1</sup>	Cheyenne River			Total	North Platte River direct				
			Total	Cheyenne River direct (5a)	Belle Fourche River (5b)		Total	Below Guernsey Reservoir (3b)	Guernsey Reservoir to Alcova Dam (3c)	Above Alcova Dam (3d)	
<b>ALL ENTERPRISES</b>											
<b>Irrigation works:</b>											
1	Diversion dams.....enterprises reporting 1950..	1,757	59	57	40	17	794	240	36	120	84
2	dams 1950..	3,923	114	111	88	23	2,332	612	52	285	275
3	1940..	2,965	(*)	56	22	34	1,747	413	(*)	(*)	(*)
Diversion dams by material:											
4	Concrete or masonry.....dams 1950..	379	6	6	2	4	263	93	17	20	56
5	Timber.....dams 1950..	456	4	4	1	3	252	69	6	24	39
6	Earth and rock.....dams 1950..	2,762	99	96	81	15	1,651	404	24	234	146
7	Other, mixed, and not reported.....dams 1950..	326	5	5	4	1	166	46	5	7	34
8	Reservoirs.....enterprises reporting 1950..	252	20	20	13	7	142	61	10	34	18
9	reservoirs 1950..	378	26	26	16	10	216	88	10	46	32
10	1940..	275	(*)	16	10	6	132	52	(*)	(*)	(*)
11	Reservoirs for which capacity was reported.....reservoirs 1950..	348	26	26	16	10	189	83	9	44	30
12	total capacity, acre-feet 1950..	3,420,037	8,608	8,608	8,099	509	2,618,340	2,352,760	5,107	247,522	2,100,131
13	1940..	2,370,251	(*)	4,382	3,955	427	1,550,300	(*)	(*)	(*)	(*)
Reservoirs by capacity:											
14	1-99 acre-feet.....reservoirs 1950..	191	16	16	8	8	108	49	5	26	18
15	100-999 acre-feet.....reservoirs 1950..	107	7	7	5	2	55	22	2	14	6
16	1,000 acre-feet and over.....reservoirs 1950..	50	3	3	3	.....	26	12	2	4	6
Reservoir dams by material:											
17	Concrete or masonry.....dams 1950..	16	.....	.....	.....	.....	11	6	1	2	3
18	Earth and rock.....dams 1950..	335	26	26	16	10	192	76	8	39	29
19	Other, mixed, and not reported.....dams 1950..	27	.....	.....	.....	.....	13	6	1	5	.....
20	Canals and ditches.....enterprises reporting 1950..	1,441	21	20	5	15	608	198	23	106	69
21	total length, miles 1950..	7,969	46	43	6	37	3,261	1,362	654	454	254
22	1940..	8,793	(*)	87	52	35	4,352	1,405	(*)	(*)	(*)
23	Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	97	3	3	1	2	20	14	5	8	1
24	total length, miles 1950..	55	2	2	1	1	13	10	5	4	1
25	1940..	68	(*)	1	1	1	13	8	(*)	(*)	(*)
26	Tunnels.....enterprises reporting 1950..	18	.....	.....	.....	.....	4	3	1	1	1
27	total length, feet 1950..	45,374	.....	.....	.....	.....	32,728	24,541	6,280	18,181	80
28	Flowing wells.....enterprises reporting 1950..	32	2	2	.....	2	11	4	.....	2	2
29	wells 1950..	65	2	2	.....	2	25	5	.....	3	2
30	1940..	32	(*)	3	1	2	8	1	(*)	(*)	(*)
31	Pumped wells.....enterprises reporting 1950..	145	6	6	4	2	79	62	47	13	2
32	wells 1950..	244	16	16	12	4	114	84	56	20	8
33	1940..	89	(*)	1	.....	1	24	17	(*)	(*)	(*)
34	Wells for which pumping lift was reported.....wells 1949..	238	16	16	12	4	110	81	55	18	8
35	Average pumping lift.....feet 1949..	.....	49	49	47	56	40	41	39	38	69
36	1939..	46	(*)	(*)	.....	(*)	19	19	(*)	(*)	(*)
37	Irrigation pumps.....enterprises reporting 1950..	448	37	37	25	12	256	225	164	57	4
38	pumps 1950..	640	52	52	39	13	353	306	209	85	12
39	1940..	218	(*)	18	14	4	68	57	(*)	(*)	(*)
40	Electric motors used for pumping.....enterprises reporting 1950..	196	2	2	2	.....	115	101	70	29	2
41	electric motors 1950..	287	3	3	3	.....	155	138	86	48	4
42	1940..	36	(*)	.....	.....	.....	8	6	(*)	(*)	(*)
43	Other motors and engines used for pumping.....enterprises reporting 1950..	266	33	33	23	10	153	135	106	25	4
44	other motors and engines 1950..	317	41	41	30	11	185	155	119	31	5
45	1940..	174	(*)	17	13	4	60	51	(*)	(*)	(*)
<b>Season of irrigation, 1949:</b>											
46	Water delivered only before July 1.....enterprises reporting..	200	26	25	18	7	119	46	1	41	4
47	acres irrigated..	37,369	2,945	2,845	2,046	799	26,846	6,048	15	4,583	1,450
48	Water delivered before and after July 1.....enterprises reporting..	1,926	52	51	38	13	888	354	131	136	89
49	acres irrigated..	1,036,460	8,282	8,182	7,293	889	526,367	185,121	81,990	43,791	59,340
50	Water delivered only after July 1.....enterprises reporting..	109	8	8	1	7	75	70	58	11	1
51	acres irrigated..	7,554	788	788	30	758	4,994	4,743	3,247	1,493	3
<b>Capital investment:</b>											
52	Capital investment in irrigation works and water rights to Jan. 1, 1940.....dollars 1940..	37,358,108	(*)	97,523	59,337	38,186	15,217,505	6,244,235	(*)	(*)	(*)
New capital investment Jan. 1, 1940, to Jan. 1, 1950:											
53	Enterprises reporting.....enterprises 1950..	1,220	49	49	34	15	648	334	168	106	60
54	Amount.....dollars 1950..	17,911,071	93,188	93,188	76,240	16,948	2,798,020	1,881,060	271,159	1,272,884	337,017
55	Area irrigated direct.....acres 1949..	559,237	5,805	5,805	4,353	1,452	263,459	94,229	13,018	33,252	47,959
56	Total capital investment Jan. 1, 1950.....dollars 1950..	55,269,179	(*)	190,711	135,577	55,134	18,015,525	8,125,295	(*)	(*)	(*)
<b>Indebtedness:<sup>4</sup></b>											
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:											
57	Enterprises reporting.....enterprises 1950..	37	.....	.....	.....	.....	9	7	6	1	.....
58	Amount.....dollars 1950..	24,472,074	.....	.....	.....	.....	7,022,547	6,787,493	3,987,493	2,800,000	.....
59	1940..	16,164,008	(*)	.....	.....	.....	4,488,891	4,276,524	(*)	(*)	(*)
60	Area irrigated direct.....acres 1949..	282,913	.....	.....	.....	.....	92,702	68,843	63,976	4,867	.....
Arreage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:											
61	Enterprises reporting.....enterprises 1950..	5	.....	.....	.....	.....	3	2	2	.....	.....
62	Amount.....dollars 1950..	77,654	.....	.....	.....	.....	77,251	3,566	3,566	.....	.....
63	Area irrigated direct.....acres 1949..	25,011	.....	.....	.....	.....	16,135	12,976	12,976	.....	.....

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



IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	South Platte River (VI-E)				Yellowstone River excluding Big Horn River <sup>1</sup> (VI-F)					
	Total	Lodge- pole Creek	Crow Creek	Cache la Poudre River	Total <sup>1</sup>	Powder River				
						Total	Powder River direct	Clear Creek	Crazy Woman Creek	Middle Fork
	(2)	(5)	(6)		(2a)	(2b)	(2c)	(2d)		
<b>ALL ENTERPRISES</b>										
<b>Irrigation works:</b>										
1 Diversion dams.....enterprises reporting 1950..	36	10	11	16	307	171	17	89	30	36
2 Diversion dams.....dams 1950..	224	32	72	120	432	260	40	111	54	55
3 Diversion dams.....dams 1940..	192	38	45	109	(*)	237	31	135	38	33
Diversion dams by material:										
4 Concrete or masonry.....dams 1950..	5	2	3	6	53	23	14	5	4	4
5 Timber.....dams 1950..	6	.....	.....	6	68	56	.....	10	31	15
6 Earth and rock.....dams 1950..	213	30	69	114	261	154	38	77	14	25
7 Other, mixed, and not reported.....dams 1950..	.....	.....	.....	.....	50	27	2	10	4	11
8 Reservoirs.....enterprises reporting 1950..	11	6	4	2	33	23	9	8	4	2
9 Reservoirs.....reservoirs 1950..	25	8	10	7	48	33	11	12	6	4
10 Reservoirs.....reservoirs 1940..	14	2	3	9	(*)	25	12	4	7	2
11 Reservoirs for which capacity was reported.....reservoirs 1950..	22	6	9	7	48	33	11	12	6	4
12 Reservoirs.....total capacity, acre-feet 1950..	5,178	2,399	1,510	1,269	46,330	32,326	973	31,184	79	90
13 Reservoirs.....total capacity, acre-feet 1940..	5,527	(*)	1,825	3,672	(*)	32,510	1,340	30,395	675	(*)
Reservoirs by capacity:										
14 1-99 acre-feet.....reservoirs 1950..	13	4	6	3	32	25	7	8	6	4
15 100-999 acre-feet.....reservoirs 1950..	8	1	3	4	9	5	4	1	.....	.....
16 1,000 acre-feet and over.....reservoirs 1950..	1	1	.....	.....	7	3	.....	3	.....	.....
Reservoir dams by material:										
17 Concrete or masonry.....dams 1950..	3	2	1	.....	1	1	.....	1	.....	.....
18 Earth and rock.....dams 1950..	13	3	3	7	46	31	11	10	6	4
19 Other, mixed, and not reported.....dams 1950..	9	3	6	.....	1	1	.....	1	.....	.....
20 Canals and ditches.....enterprises reporting 1950..	13	7	5	2	292	149	11	88	30	22
21 Canals and ditches.....total length, miles 1950..	83	32	39	12	941	487	42	305	95	45
22 Canals and ditches.....total length, miles 1940..	128	39	36	53	(*)	554	53	286	96	118
23 Pipelines and siphons <sup>2</sup> .....enterprises reporting 1950..	.....	.....	.....	.....	27	15	.....	11	2	2
24 Pipelines and siphons <sup>2</sup> .....total length, miles 1950..	.....	.....	.....	.....	5	3	.....	2	(3)	1
25 Pipelines and siphons <sup>2</sup> .....total length, miles 1940..	3	1	2	.....	(*)	4	1	1	1	1
26 Tunnels.....enterprises reporting 1950..	.....	.....	.....	.....	4	2	.....	1	.....	.....
27 Tunnels.....total length, feet 1950..	.....	.....	.....	.....	605	425	.....	325	.....	100
28 Flowing wells.....enterprises reporting 1950..	4	2	1	1	3	3	2	.....	.....	1
29 Flowing wells.....wells 1950..	9	6	2	1	3	3	2	.....	.....	1
30 Flowing wells.....wells 1940..	2	.....	1	1	(*)	4	4	.....	.....	.....
31 Pumped wells.....enterprises reporting 1950..	48	40	8	.....	4	.....	.....	.....	.....	.....
32 Pumped wells.....wells 1950..	100	89	11	.....	5	.....	.....	.....	.....	.....
33 Pumped wells.....wells 1940..	43	40	3	.....	(*)	9	5	2	.....	.....
34 Wells for which pumping lift was reported.....wells 1949..	100	89	11	.....	4	.....	.....	.....	.....	.....
35 Average pumping lift.....feet 1949..	61	59	73	.....	12	.....	.....	.....	.....	.....
36 Average pumping lift.....feet 1939..	62	61	69	.....	(*)	75	(*)	(*)	(*)	.....
37 Irrigation pumps.....enterprises reporting 1950..	51	41	10	.....	33	11	5	6	.....	.....
38 Irrigation pumps.....pumps 1950..	107	92	15	.....	45	13	6	7	.....	.....
39 Irrigation pumps.....pumps 1940..	48	41	7	.....	(*)	24	6	10	7	1
40 Electric motors used for pumping.....enterprises reporting 1950..	44	36	8	.....	6	.....	.....	.....	.....	.....
41 Electric motors used for pumping.....electric motors 1950..	86	77	9	.....	6	.....	.....	.....	.....	.....
42 Electric motors used for pumping.....electric motors 1940..	8	5	3	.....	(*)	.....	.....	.....	.....	.....
43 Other motors and engines used for pumping.....enterprises reporting 1950..	18	14	4	.....	27	11	5	6	.....	.....
44 Other motors and engines used for pumping.....other motors and engines 1950..	19	15	4	.....	34	12	6	6	.....	.....
45 Other motors and engines used for pumping.....other motors and engines 1940..	39	35	4	.....	(*)	18	6	4	7	1
<b>Season of irrigation, 1949:</b>										
46 Water delivered only before July 1.....enterprises reporting..	1	.....	1	1	20	18	10	4	3	1
47 Water delivered only before July 1.....acres irrigated..	2,150	.....	500	1,650	1,718	1,604	860	42	212	490
48 Water delivered before and after July 1.....enterprises reporting..	74	40	18	16	312	159	9	88	27	36
49 Water delivered before and after July 1.....acres irrigated..	15,848	9,338	4,439	2,071	112,232	49,883	5,816	26,486	10,165	7,416
50 Water delivered only after July 1.....enterprises reporting..	9	8	1	.....	11	6	2	5	.....	.....
51 Water delivered only after July 1.....acres irrigated..	244	214	30	.....	1,312	1,213	382	831	.....	.....
<b>Capital investment:</b>										
52 Capital investment in irrigation works and water right to Jan. 1, 1940.....dollars 1940..	345,839	98,115	153,861	93,863	(*)	935,504	81,029	634,260	132,930	87,285
New capital investment Jan. 1, 1940, to Jan. 1, 1950:										
53 Enterprises reporting.....enterprises 1950..	51	34	10	7	180	111	16	57	22	18
54 Amount.....dollars 1950..	176,642	139,467	33,800	3,375	331,123	220,196	38,950	124,348	38,190	18,708
55 Area irrigated direct.....acres 1949..	9,210	6,435	1,404	1,371	52,484	29,832	2,031	15,667	8,179	3,955
56 Total capital investment Jan. 1, 1950.....dollars 1950..	522,481	237,582	187,661	97,238	(*)	1,155,700	119,979	758,608	171,120	105,993
<b>Indebtedness:<sup>4</sup></b>										
Outstanding bonds, construction cost, and other funded obligations, Jan. 1, 1950:										
57 Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	7	1	.....	1	.....	.....
58 Amount.....dollars 1950..	.....	.....	.....	.....	100,557	50,000	.....	50,000	.....	.....
59 Enterprises reporting.....enterprises 1940..	.....	.....	.....	.....	(*)	.....	.....	.....	.....	.....
60 Amount.....dollars 1940..	.....	.....	.....	.....	8,418	2,091	.....	2,091	.....	.....
Area irrigated direct.....acres 1949..										
61 Arrearage in payment of principal or interest on bonds, construction cost, and other funded obligations, Jan. 1, 1950:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62 Enterprises reporting.....enterprises 1950..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63 Amount.....dollars 1950..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
64 Area irrigated direct.....acres 1949..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>0</sup>Not available.

<sup>1</sup>Data for less than 3 enterprises in Basins VI-C-3 and VI-F-1d included only in totals.

<sup>2</sup>Pipelines in farm-distribution systems were included in 1940, not included in 1950.

<sup>3</sup>Less 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

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

Yellowstone River excluding Big Horn River <sup>1</sup> (VI-F)—Continued				Big Horn River (VI-G)											
Tongue River				Big Horn River direct											
Total	Tongue River direct	Goose Creek	Clarks Fork	Total	Total	Below Thermopolis	Above Thermopolis	Little Horn River	Shoshone River	Shell Creek	Greybull River	Nowood Creek	Owl Creek	Upper Wind River	Popo Agie River
	(3a)	(3b)	(4a)		(1a)	(1b)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
86	54	32	50	561	96	66	30	5	53	34	58	98	67	72	84
96	57	39	76	821	167	99	68	8	69	50	102	134	88	101	102
(*)	(*)	42	104	(*)	(*)	(*)	(*)	(*)	25	42	(*)	69	42	(*)	51
25	9	16	.5	52	11	6	5	1	7	2	2	2	6	14	7
6	5	1	6	126	16	14	2	.....	8	6	13	3	21	52	5
61	39	22	46	538	105	50	55	7	50	30	82	105	53	28	78
4	4	.....	19	105	35	29	6	.....	4	12	5	24	8	7	10
9	4	5	1	46	16	10	6	.....	5	3	5	5	3	8	4
14	5	9	1	63	22	14	8	.....	6	3	8	6	4	9	8
(*)	(*)	13	2	(*)	(*)	(*)	(*)	(*)	8	3	(*)	5	2	(*)	9
14	5	9	1	63	22	14	8	(*)	6	3	8	6	4	9	10
12,932	289	12,643	1,072	741,581	3,386	2,844	542	(*)	459,909	7,175	53,800	1,193	815	190,210	25,093
(*)	(*)	13,394	(*)	(*)	(*)	(*)	(*)	(*)	463,515	3,220	(*)	(*)	921	(*)	7,086
7	4	3	.....	22	14	8	6	.....	.....	1	.....	3	2	2	14
4	1	3	.....	28	7	5	2	.....	3	1	7	3	2	5	15
3	.....	3	1	13	1	1	.....	.....	3	1	1	.....	.....	2	16
.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	17
14	5	9	1	58	22	14	8	.....	5	3	8	6	4	9	18
.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
96	58	38	46	507	101	76	26	5	30	32	62	77	70	64	74
356	165	191	97	3,638	695	406	289	10	894	85	325	155	168	515	791
(*)	(*)	224	77	(*)	(*)	(*)	(*)	(*)	807	128	(*)	176	122	(*)	689
11	8	3	1	47	16	11	5	.....	9	4	3	13	1	2	23
2	1	1	(3)	35	14	9	5	.....	9	1	(3)	4	1	5	24
(*)	(*)	1	1	(*)	(*)	(*)	(*)	(*)	15	4	(*)	4	(3)	(*)	25
2	2	.....	.....	10	1	1	.....	.....	4	1	.....	1	1	3	26
180	180	.....	.....	12,041	30	30	.....	.....	6,909	40	.....	400	70	4,592	27
.....	.....	.....	.....	12	5	2	.....	.....	.....	.....	.....	6	.....	.....	28
(*)	(*)	.....	.....	26	8	5	3	(*)	.....	.....	(*)	17	.....	.....	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	(*)	30
4	1	3	.....	8	2	1	1	.....	.....	.....	.....	2	3	.....	31
5	2	3	.....	9	3	2	1	.....	.....	.....	.....	2	3	.....	32
(*)	(*)	1	.....	(*)	(*)	(*)	(*)	(*)	.....	.....	(*)	1	.....	(*)	33
4	2	2	.....	8	3	2	1	.....	.....	.....	.....	1	2	.....	34
12	12	12	.....	102	135	200	6	(*)	.....	.....	(*)	160	42	.....	35
(*)	(*)	(*)	.....	(*)	(*)	(*)	(*)	(*)	.....	.....	(*)	(*)	(*)	.....	36
22	16	6	.....	71	41	23	18	.....	5	.....	.....	14	5	2	37
32	26	6	.....	83	49	29	20	.....	5	.....	.....	14	8	2	38
(*)	(*)	9	.....	(*)	(*)	(*)	(*)	(*)	2	.....	(*)	9	4	(*)	39
6	2	4	.....	29	21	12	9	.....	2	.....	.....	2	3	1	40
6	2	4	.....	37	27	16	11	.....	2	.....	.....	2	5	1	41
(*)	(*)	5	.....	(*)	(*)	(*)	(*)	(*)	2	.....	(*)	.....	.....	(*)	42
16	14	2	.....	35	18	9	9	.....	2	.....	.....	10	2	1	43
22	20	2	.....	38	20	11	9	.....	2	.....	(*)	10	2	1	44
(*)	(*)	4	.....	(*)	(*)	(*)	(*)	(*)	1	.....	(*)	9	4	(*)	45
3	3	.....	.....	33	12	4	9	.....	.....	.....	.....	.....	18	1	2
114	114	.....	.....	3,710	2,040	1,212	828	.....	.....	.....	.....	.....	1,475	60	135
103	62	41	49	598	133	90	43	.....	53	33	61	100	55	76	90
49,071	17,839	31,232	12,703	373,731	114,197	68,502	45,695	1,137	81,560	9,981	50,944	18,097	10,277	45,831	41,707
5	5	.....	.....	6	2	2	.....	.....	1	.....	.....	2	1	.....	50
99	99	.....	.....	216	59	59	.....	.....	11	.....	.....	80	66	.....	51
(*)	(*)	651,600	309,513	(*)	(*)	(*)	(*)	(*)	6,733,429	133,380	(*)	268,485	210,292	(*)	2,220,420
62	41	21	7	291	76	51	25	2	35	15	27	55	20	25	43
101,557	41,767	59,790	9,370	14,512,098	4,611,184	243,653	4,367,531	10,500	3,830,562	15,740	105,005	91,692	50,073	5,248,659	548,683
19,145	12,108	7,037	3,507	228,279	66,242	21,946	44,296	227	37,546	7,024	33,496	10,732	5,152	36,857	31,003
(*)	(*)	711,390	318,883	(*)	(*)	(*)	(*)	(*)	10,563,991	149,120	(*)	360,177	260,365	(*)	2,769,103
5	2	3	1	21	6	3	.....	.....	6	1	2	.....	1	1	4
25,557	23,436	2,121	25,000	17,348,970	2,463,009	112,299	2,350,710	.....	12,206,422	5,520	49,000	.....	506	2,599,155	25,358
(*)	(*)	300	.....	(*)	(*)	(*)	(*)	(*)	3,388,025	2,500	(*)	.....	37,714	(*)	1,222,872
4,192	905	3,287	2,135	181,793	60,999	21,299	39,700	.....	73,776	2,708	16,142	.....	1,497	24,000	2,671
.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	403	.....	.....	.....	.....	175	.....	.....	.....	.....	.....	228
.....	.....	.....	.....	8,876	.....	.....	.....	.....	8,605	.....	.....	.....	.....	.....	271

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State <sup>1</sup>	North Pacific Coast (Snake River) (I-H)					Great Basin (Bear River) (III-E)			
		Total	Snake River direct (1b)	Henry's Fork (Upper Teton River) (3b)	Salt River (4)	Gros Ventre River (5)	Total	Below Woodruff, Utah (1b)	Above Woodruff (1c)	
<b>ALL ENTERPRISES</b>										
Cost of water to farms, 1949: <sup>2</sup>										
Total cost of water to farms:										
1	Enterprises reporting.....enterprises..	3,061	266	57	8	189	12	113	46	67
2	Cost.....dollars..	1,695,932	35,461	4,990	2,293	21,528	6,650	28,656	15,374	13,282
3	Area irrigated direct.....acres..	1,534,148	76,573	22,064	2,447	48,284	3,778	60,909	31,788	29,121
4	Cost per acre irrigated direct.....dollars..	1.11	0.46	0.23	0.94	0.45	1.76	0.47	0.48	0.46
5	Total cost per irrigated acre.....dollars..	1.15	0.53	0.23	0.94	0.55	2.07	0.51	0.56	0.47
6	Total cost per acre-foot of water <sup>3</sup> .....dollars..	0.44	0.16	0.08	0.25	0.16	0.39	0.23	0.19	0.25
Enterprises by cost per acre:										
7	Less than \$1.00.....enterprises reporting..	2,214	234	53	5	166	10	90	35	55
8	.....acres irrigated..	977,024	65,555	21,057	1,239	41,361	1,898	52,472	25,420	27,052
9	\$1.00-\$1.99.....enterprises reporting..	283	20	1	2	16	1	14	5	9
10	.....acres irrigated..	249,917	7,097	18	654	6,415	10	5,672	4,660	1,012
11	\$2.00-\$4.99.....enterprises reporting..	273	11	3	1	6	1	7	5	2
12	.....acres irrigated..	238,020	3,876	989	554	463	1,870	2,584	1,558	1,026
13	\$5.00-\$9.99.....enterprises reporting..	185	1	.....	.....	.....	.....	2	1	1
14	.....acres irrigated..	65,130	45	.....	.....	45	.....	181	150	31
15	\$10.00 and over.....enterprises reporting..	106	.....	.....	.....	.....	.....	.....	.....	.....
16	.....acres irrigated..	4,057	.....	.....	.....	.....	.....	.....	.....	.....
Cost of water for primary irrigation:										
17	Enterprises reporting.....enterprises..	2,886	236	56	8	161	11	101	39	62
18	Cost.....dollars..	1,648,935	29,963	4,110	2,293	18,402	5,158	27,022	13,890	13,132
19	Area supplied primary irrigation.....acres..	1,474,835	66,689	21,764	2,447	39,263	3,215	55,903	27,402	26,501
20	Cost per acre supplied.....dollars..	1.12	0.45	0.19	0.94	0.47	1.60	0.48	0.51	0.46
Cost of water for supplemental irrigation:										
21	Enterprises reporting.....enterprises..	267	57	2	.....	53	2	17	12	5
22	Cost.....dollars..	46,997	5,498	880	.....	3,126	1,492	1,634	1,484	150
23	Area supplied supplemental irrigation.....acres..	59,313	9,884	300	.....	9,021	563	5,006	4,386	620
24	Cost per acre supplied.....dollars..	0.79	0.56	2.93	.....	0.35	265	0.33	0.34	0.24
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>										
25	Enterprises reporting.....enterprises..	74	17	5	2	9	1	4	2	2
26	Cost.....dollars..	416,709	18,962	2,970	75	9,517	6,400	3,316	2,623	693
27	Area irrigated direct.....acres..	303,039	21,716	1,834	618	17,394	1,870	11,107	3,598	7,509
28	Cost per acre irrigated.....dollars..	1.38	0.87	1.62	0.12	0.55	3.42	0.30	0.73	0.09
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>										
29	Enterprises reporting.....enterprises..	30	9	.....	5	4	.....	.....	.....	.....
30	Amount.....dollars..	633,317	2,966	.....	609	2,357	.....	.....	.....	.....
31	Area irrigated direct.....acres..	192,543	10,309	.....	2,300	8,009	.....	.....	.....	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>										
32	Single-farm enterprises.....enterprises..	2,411	161	46	2	103	10	94	40	54
33	Area irrigated.....acres..	694,209	22,263	13,887	(6)	7,046	1,258	38,120	24,798	13,322
34	Complete-system enterprises <sup>7</sup> .....enterprises..	2,030	123	46	2	65	10	46	22	24
35	Area irrigated.....acres..	615,705	19,182	13,887	(6)	3,965	1,258	25,159	17,354	7,805
Other farms irrigated:										
36	Enterprises reporting.....number..	63	3	3	.....	.....	.....	4	1	3
37	Number of other farms.....farms..	89	2	2	.....	.....	.....	6	3	3
38	Area irrigated in other farms.....acres..	10,932	414	414	.....	.....	.....	2,200	2,000	200
Enterprises by origin of water supply: <sup>7</sup>										
39	No water from other enterprises.....enterprises reporting..	2,053	123	46	2	65	10	46	22	24
40	.....acres irrigated..	616,927	19,182	13,887	(6)	3,965	1,258	25,159	17,354	7,805
41	Part of water from other enterprises.....enterprises reporting..	101	8	.....	.....	8	.....	17	13	4
42	.....acres irrigated..	42,666	514	.....	.....	514	.....	7,407	6,737	670
43	All of water from other enterprises.....enterprises reporting..	257	30	.....	.....	30	.....	31	5	26
44	.....acres irrigated..	34,616	2,567	.....	.....	2,567	.....	5,554	707	4,847
Enterprises by primary and supplemental irrigation:										
45	All primary.....enterprises reporting..	2,229	151	45	2	95	9	81	32	49
46	.....acres irrigated..	652,946	21,278	13,807	(6)	6,271	1,128	25,803	13,101	12,702
47	Part primary, part supplemental.....enterprises reporting..	14	2	.....	.....	2	.....	1	1	.....
48	.....acres irrigated..	11,445	190	.....	.....	190	.....	9,000	9,000	.....
49	Supplemental irrigation.....acres irrigated..	2,751	200	.....	.....	200	.....	750	750	.....
50	All supplemental.....enterprises reporting..	146	8	1	.....	6	1	12	7	5
51	.....acres irrigated..	27,067	595	80	.....	385	130	2,567	1,947	620
Enterprises by number of acres irrigated: <sup>7</sup>										
52	None.....enterprises reporting..	22	.....	.....	.....	.....	.....	.....	.....	.....
53	1-9 acres.....enterprises reporting..	124	13	1	.....	12	.....	2	1	1
54	10-29 acres.....enterprises reporting..	259	23	3	1	17	2	5	2	3
55	30-59 acres.....enterprises reporting..	358	33	4	1	27	1	10	3	7
56	60-99 acres.....enterprises reporting..	358	33	8	.....	24	1	12	3	9
57	100-199 acres.....enterprises reporting..	477	28	10	.....	15	3	19	6	13
58	200-499 acres.....enterprises reporting..	479	26	15	.....	8	3	26	11	15
59	500-999 acres.....enterprises reporting..	180	1	1	.....	.....	.....	15	10	5
60	1,000 acres or more.....enterprises reporting..	154	4	4	.....	.....	.....	5	4	1

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



CHARACTERISTICS, BY DRAINAGE BASINS: CENSUSES OF 1950 AND 1940

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

Gulf of California (Green River) (IV-E)														
Total	Green River direct	Yampa River (Little Snake River)	Henry's Fork	Blacks Fork			Sandy Creek	La Barge Creek	Piney Creek	New Fork	Cottonwood Creek	Horse Creek		
				Total	Blacks Fork direct	Hans Fork								Muddy Creek
	(1)	(8b)	(9)	(10a)	(10b)	(10c)	(11)	(12)	(13)	(14)	(15)	(16)		
422	69	43	46	147	99	38	10	11	11	29	54	11	5	1
72,236	2,655	12,407	7,153	25,656	25,086	50	520	10,500	0	1,830	10,260	1,600	175	2
269,582	34,932	17,233	21,005	79,472	65,093	11,758	2,621	10,110	6,101	32,559	48,307	15,398	4,465	3
0.27	0.08	0.72	0.34	0.32	0.39	0.00	0.20	1.04	0.00	0.06	0.21	0.10	0.04	4
0.28	0.08	0.79	0.34	0.34	0.42	0.00	0.20	1.04	0.00	0.06	0.21	0.10	0.04	5
0.12	0.03	0.49	0.12	0.19	0.23	(*)	(*)	(*)	(*)	0.02	0.08	(*)	(*)	6
386	64	38	35	139	91	38	10	9	11	29	50	10	5	7
249,244	34,609	10,852	19,012	76,620	62,241	11,758	2,621	1,476	6,101	32,559	47,952	14,598	4,465	8
19	2	5	4	4	4	4	4	1	1	2	2	1	1	9
18,871	131	6,381	1,663	1,057	1,057	1,057	1,057	8,614	8,614	8,614	225	800	800	10
11	2	.....	4	3	3	3	3	.....	.....	.....	2	.....	.....	11
677	184	.....	228	135	135	135	135	.....	.....	.....	130	.....	.....	12
5	.....	.....	2	1	1	1	1	.....	.....	.....	.....	.....	.....	13
1,692	.....	.....	32	1,660	1,660	1,660	1,660	.....	.....	.....	.....	.....	.....	14
3	1	.....	1	.....	.....	.....	.....	1	1	1	.....	.....	.....	15
98	8	.....	70	.....	.....	.....	.....	20	20	20	.....	.....	.....	16
396	69	40	46	124	78	37	9	11	11	29	54	11	5	17
70,210	2,617	12,407	7,153	23,668	23,098	50	520	10,500	0	1,830	10,260	1,600	175	18
260,924	33,832	15,653	21,005	74,494	60,445	11,458	2,591	10,110	6,101	31,559	48,307	15,398	4,465	19
0.27	0.08	0.79	0.34	0.32	0.38	0.00	0.20	1.04	0.00	0.06	0.21	0.10	0.04	20
36	1	3	.....	31	29	1	1	.....	.....	1	.....	.....	.....	21
2,026	38	0	.....	1,988	1,988	0	0	.....	.....	0	.....	.....	.....	22
8,658	1,100	1,580	.....	4,978	4,648	300	30	.....	.....	1,000	.....	.....	.....	23
0.23	0.03	0.00	.....	0.40	0.43	0.00	0.00	.....	.....	0.00	.....	.....	.....	24
6	.....	.....	2	2	2	2	2	.....	.....	.....	2	.....	.....	25
19,226	.....	.....	2,248	13,793	13,793	.....	.....	.....	.....	.....	3,185	.....	.....	26
22,111	.....	.....	1,487	4,499	4,499	.....	.....	.....	.....	.....	16,125	.....	.....	27
0.87	.....	.....	1.51	3.07	3.07	.....	.....	.....	.....	.....	0.20	.....	.....	28
4	.....	.....	.....	3	3	.....	.....	.....	.....	.....	1	.....	.....	29
2,639	.....	.....	.....	1,315	1,315	.....	.....	.....	.....	.....	1,324	.....	.....	30
24,452	.....	.....	.....	21,104	21,104	.....	.....	.....	.....	.....	3,348	.....	.....	31
383	64	40	43	130	85	35	10	10	11	25	49	11	4	32
168,580	22,162	11,344	16,200	37,091	24,287	10,183	2,621	1,496	6,101	28,282	26,671	15,398	3,835	33
350	64	39	41	110	69	32	9	10	11	23	41	10	4	34
148,097	22,162	11,344	16,138	30,269	19,073	9,038	2,158	1,496	6,101	25,192	19,302	12,258	3,835	35
5	1	.....	.....	1	1	.....	.....	.....	.....	1	2	.....	.....	36
7	2	.....	.....	1	1	.....	.....	.....	.....	1	3	.....	.....	37
2,423	55	.....	.....	520	520	.....	.....	.....	.....	1,000	848	.....	.....	38
351	64	40	41	110	69	32	9	10	11	23	41	10	4	39
148,097	22,162	11,344	16,138	30,269	19,073	9,038	2,158	1,496	6,101	25,192	19,302	12,258	3,835	40
18	.....	.....	1	12	8	3	1	.....	.....	2	3	1	.....	41
16,587	.....	.....	30	4,454	2,846	1,145	463	.....	.....	3,090	5,873	3,140	.....	42
14	.....	.....	1	8	8	.....	.....	.....	.....	.....	5	.....	.....	43
3,896	.....	.....	32	2,368	2,368	.....	.....	.....	.....	.....	1,496	.....	.....	44
354	64	36	43	106	63	34	9	10	11	24	49	11	4	45
161,476	22,162	9,764	16,200	33,267	20,793	9,883	2,591	1,496	6,101	26,582	26,671	15,398	3,835	46
2	.....	.....	.....	1	1	.....	.....	.....	.....	1	.....	.....	.....	47
850	.....	.....	.....	150	150	.....	.....	.....	.....	700	.....	.....	.....	48
1,100	.....	.....	.....	100	100	.....	.....	.....	.....	1,000	.....	.....	.....	49
26	.....	.....	3	23	21	1	1	.....	.....	.....	.....	.....	.....	50
5,154	.....	1,580	.....	3,574	3,244	300	30	.....	.....	.....	.....	.....	.....	51
1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52
10	4	.....	2	4	3	1	.....	.....	.....	.....	.....	.....	.....	53
18	4	1	4	5	4	1	.....	1	.....	1	2	.....	.....	54
34	8	5	8	7	4	1	2	1	2	.....	3	.....	.....	55
40	7	6	3	17	12	4	1	3	1	.....	3	.....	.....	56
71	6	14	6	31	19	10	2	2	.....	2	10	.....	.....	57
113	22	5	9	44	27	14	3	2	5	8	15	2	1	58
51	9	5	6	17	13	2	2	1	.....	2	6	4	2	59
45	4	3	5	5	3	2	.....	.....	3	12	10	5	1	60

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Mississippi River (VI)	Missouri River below Three Forks, Montana, excluding Platte and Yellowstone Rivers <sup>1</sup> (VI-C)			Platte River excluding South Platte River (North Platte River) (VI-D)						
		Total <sup>1</sup>	Cheyenne River			Total	North Platte River direct				
			Total	Cheyenne River direct (5a)	Belle Fourche River (5b)		Total	Below Guernsey Reservoir (3b)	Guernsey Reservoir to Alcova Dam (3c)	Above Alcova Dam (3d)	
											Mississippi River
<b>ALL ENTERPRISES</b>											
Cost of water to farms, 1949: <sup>2</sup>											
Total cost of water to farms:											
1	Enterprises reporting.....enterprises..	2,265	88	86	59	27	1,101	483	194	196	93
2	Cost.....dollars..	1,559,579	10,406	10,406	7,130	3,276	460,408	331,652	265,175	57,291	9,186
3	Area irrigated direct.....acres..	1,127,084	12,169	11,969	9,523	2,446	564,491	196,813	85,453	50,547	60,813
4	Cost per acre irrigated direct.....dollars..	1.38	0.86	0.87	0.75	1.34	0.82	1.69	3.10	1.13	0.15
5	Total cost per irrigated acre.....dollars..	1.43	0.86	0.87	0.75	1.34	0.85	1.75	3.23	1.16	0.16
6	Total cost per acre-foot of water <sup>3</sup> .....dollars..	0.55	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	0.45	0.92	1.62	0.83	0.08
Enterprises by cost per acre:											
7	Less than \$1.00.....enterprises reporting..	1,509	59	57	41	16	760	249	36	128	85
8	.....acres irrigated..	610,753	9,963	9,763	8,062	1,701	411,069	99,512	9,557	30,963	58,922
9	\$1.00-\$1.99.....enterprises reporting..	230	7	7	6	1	81	30	9	18	3
10	.....acres irrigated..	218,277	692	692	532	160	63,511	18,367	3,840	13,922	605
11	\$2.00-\$4.99.....enterprises reporting..	244	9	9	5	4	99	66	37	25	4
12	.....acres irrigated..	230,883	829	829	480	349	80,877	71,151	66,998	2,939	1,214
13	\$5.00-\$9.99.....enterprises reporting..	179	9	9	6	3	107	93	80	13	.....
14	.....acres irrigated..	63,212	489	489	349	140	6,404	5,555	3,947	1,608	.....
15	\$10.00 and over.....enterprises reporting..	103	4	4	1	3	54	45	32	12	1
16	.....acres irrigated..	3,959	196	196	100	96	2,630	2,228	1,111	1,115	2
Cost of water for primary irrigation:											
17	Enterprises reporting.....enterprises..	2,158	88	86	59	27	1,022	434	160	192	82
18	Cost.....dollars..	1,521,740	10,406	10,406	7,130	3,276	448,096	323,574	258,785	56,105	8,684
19	Area supplied primary irrigation.....acres..	1,091,319	12,169	11,969	9,523	2,446	543,673	189,062	82,223	49,248	57,591
20	Cost per acre supplied.....dollars..	1.39	0.86	0.87	0.75	1.34	0.82	1.71	3.15	1.14	0.15
Cost of water for supplemental irrigation:											
21	Enterprises reporting.....enterprises..	157	.....	.....	.....	.....	100	61	39	8	14
22	Cost.....dollars..	37,839	.....	.....	.....	.....	12,312	8,078	6,390	1,186	502
23	Area supplied supplemental irrigation.....acres..	35,765	.....	.....	.....	.....	20,818	7,751	3,230	1,299	3,222
24	Cost per acre supplied.....dollars..	1.06	.....	.....	.....	.....	0.59	1.04	1.98	0.91	0.16
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>											
25	Enterprises reporting.....enterprises..	47	.....	.....	.....	.....	10	9	5	.....	4
26	Cost.....dollars..	375,205	.....	.....	.....	.....	90,097	87,732	86,307	.....	1,425
27	Area irrigated direct.....acres..	248,105	.....	.....	.....	.....	71,039	66,181	60,876	.....	5,305
28	Cost per acre irrigated.....dollars..	1.51	.....	.....	.....	.....	1.27	1.33	1.42	.....	0.27
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>											
29	Enterprises reporting.....enterprises..	17	.....	.....	.....	.....	7	4	3	1	.....
30	Amount.....dollars..	627,712	.....	.....	.....	.....	63,556	9,258	6,070	3,188	.....
31	Area irrigated direct.....acres..	157,782	.....	.....	.....	.....	72,054	57,878	53,426	4,452	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>											
32	Single-farm enterprises.....enterprises..	1,775	86	84	59	25	956	438	185	175	78
33	Area irrigated.....acres..	465,246	11,669	11,469	9,523	1,946	337,571	87,264	9,891	34,136	43,237
34	Complete-system enterprises <sup>7</sup> .....enterprises..	1,513	86	84	59	25	793	313	69	167	77
35	Area irrigated.....acres..	423,267	11,669	11,469	9,523	1,946	311,309	80,267	4,642	33,388	42,237
Other farms irrigated:											
36	Enterprises reporting.....number..	51	2	2	2	.....	23	14	2	12	.....
37	Number of other farms.....farms..	74	2	2	2	.....	40	19	2	17	.....
38	Area irrigated in other farms.....acres..	5,895	205	205	205	.....	4,046	1,495	92	1,403	.....
Enterprises by origin of water supply: <sup>7</sup>											
39	No water from other enterprises.....enterprises reporting..	1,535	86	84	59	25	805	321	75	169	77
40	Part of water from other enterprises.....enterprises reporting..	424,489	11,669	11,469	9,523	1,946	311,309	80,267	4,642	33,388	42,237
41	.....acres irrigated..	58	.....	.....	.....	.....	21	6	2	3	1
42	All of water from other enterprises.....enterprises reporting..	18,158	.....	.....	.....	.....	10,128	1,468	112	356	1,000
43	.....acres irrigated..	182	.....	.....	.....	.....	130	111	108	3	.....
44	.....acres irrigated..	22,599	.....	.....	.....	.....	16,134	5,529	5,137	392	.....
Enterprises by primary and supplemental irrigation:											
45	All primary.....enterprises reporting..	1,645	86	84	59	25	857	376	143	168	65
46	.....acres irrigated..	444,389	11,669	11,469	9,523	1,946	318,863	79,685	7,735	32,978	38,972
47	Part primary, part supplemental.....enterprises reporting..	9	.....	.....	.....	.....	8	5	2	1	2
48	Primary irrigation.....acres irrigated..	1,405	.....	.....	.....	.....	1,370	1,132	15	50	1,067
49	Supplemental irrigation.....acres irrigated..	701	.....	.....	.....	.....	636	324	11	178	135
50	All supplemental.....enterprises reporting..	100	.....	.....	.....	.....	79	49	34	4	11
51	.....acres irrigated..	18,751	.....	.....	.....	.....	16,702	6,123	2,130	930	3,063
Enterprises by number of acres irrigated: <sup>7</sup>											
52	None.....enterprises reporting..	21	.....	.....	.....	.....	12	8	6	2	.....
53	1-9 acres.....enterprises reporting..	99	15	15	4	2	47	39	25	11	3
54	10-29 acres.....enterprises reporting..	213	6	6	9	6	112	76	48	22	6
55	30-59 acres.....enterprises reporting..	281	22	22	15	7	124	77	47	27	3
56	60-99 acres.....enterprises reporting..	273	17	17	13	4	126	66	28	29	9
57	100-199 acres.....enterprises reporting..	359	15	13	8	5	176	78	25	38	15
58	200-499 acres.....enterprises reporting..	314	7	7	7	.....	195	59	6	33	20
59	500-999 acres.....enterprises reporting..	114	1	1	.....	1	83	17	.....	7	10
60	1,000 acres or more.....enterprises reporting..	101	3	3	3	.....	81	18	.....	6	12

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]

Platte River excluding South Platte River (North Platte River) (VI-D)—Continued																
Horse Creek	Laramie River					La Bonte Creek	La Prele Creek	Sweet-water River	Medicine Bow River				Pass Creek	Spring Creek	Encampment Creek	Beaver Creek
	Total	Laramie River direct	Chugwater Creek	North Laramie River	Little Laramie River				Total	Medicine Bow River direct	Little Medicine Bow River	Rock Creek				
(4)	(5a)	(5b)	(5c)	(5d)	(6)	(7)	(8)	(9a)	(9b)	(9c)	(10)	(11)	(12)	(13)		
70	267	170	18	27	56	39	33	40	104	51	18	37	20	7	31	12
18,368	74,581	63,269	3,840	2,667	4,805	7,294	9,301	5,510	12,230	4,521	0	7,709	250	480	442	300
23,987	183,274	108,147	13,909	5,712	55,506	9,005	12,222	12,198	82,366	28,069	6,137	48,160	14,352	2,907	19,667	7,700
0.77	0.41	0.59	0.28	0.47	0.09	0.81	0.76	0.45	0.15	0.16	0.00	0.16	0.02	0.17	0.02	0.04
0.78	0.41	0.60	0.29	0.47	0.09	0.81	0.81	0.45	0.16	0.18	0.00	0.18	0.02	0.19	0.02	0.04
0.49	0.23	0.32	(4)	(4)	0.06	0.68	0.45	0.45	0.08	0.11	(4)	0.09	0.01	0.11	0.01	(4)
53	217	126	15	24	55	26	19	33	97	47	18	34	19	7	31	12
17,915	145,513	75,258	10,997	4,652	54,606	6,696	6,738	11,108	79,113	26,799	6,137	46,177	14,200	2,907	19,667	7,700
5	29	25	3	1	1	2	7	4	4	2	2	2	1	1	1	1
772	34,259	29,747	2,912	700	900	1,216	5,100	940	2,705	810	1,895	152	152	152	152	152
8	13	11	.....	2	.....	6	5	.....	2	1	.....	1	.....	.....	.....	.....
5,114	3,112	2,752	.....	360	.....	724	248	.....	528	440	.....	88	.....	.....	.....	.....
3	3	3	.....	.....	.....	4	2	1	1	1	.....	.....	.....	.....	.....	.....
170	184	184	.....	.....	.....	309	136	30	20	20	.....	.....	.....	.....	.....	.....
1	5	5	.....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
16	206	206	.....	.....	.....	60	.....	120	.....	.....	.....	.....	.....	.....	.....	.....
68	261	164	18	27	56	39	31	40	92	45	18	31	18	6	25	12
18,368	72,152	61,403	3,277	2,667	4,805	7,274	9,301	5,510	10,445	4,020	0	6,425	250	480	442	300
23,452	180,094	105,934	13,382	5,712	55,066	8,993	11,532	12,198	75,296	25,644	6,137	43,515	14,132	2,507	18,707	7,700
0.78	0.40	0.58	0.24	0.47	0.09	0.81	0.81	0.45	0.14	0.16	0.00	0.15	0.02	0.19	0.02	0.04
2	12	9	1	.....	3	2	2	.....	13	7	.....	6	2	1	6	.....
0	2,429	1,866	563	.....	0	20	0	.....	1,785	501	.....	1,284	0	0	0	.....
535	3,180	2,213	527	.....	440	12	690	.....	7,070	2,425	.....	4,645	220	400	960	.....
0.00	0.76	0.84	1.07	.....	0.00	1.67	0.00	.....	0.25	0.21	.....	0.28	0.00	0.00	0.00	.....
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
1,935	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	430	.....
3,900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	958	.....
0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.45	.....
.....	3	3	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	51,794	51,794	.....	.....	.....	.....	2,504	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	10,626	10,626	.....	.....	.....	.....	3,550	.....	.....	.....	.....	.....	.....	.....	.....	.....
66	217	131	17	26	46	31	27	37	93	43	18	34	17	4	17	12
17,617	113,141	50,343	12,109	5,312	45,377	7,552	6,917	10,893	63,269	18,799	6,137	38,333	12,952	1,490	8,776	7,700
56	200	117	17	26	42	31	21	37	88	39	18	33	16	4	17	12
15,249	100,563	39,865	12,109	5,312	43,277	7,552	5,649	10,893	61,358	17,088	6,137	38,133	11,812	1,490	8,776	7,700
1	1	.....	1	.....	.....	2	1	1	2	.....	.....	2	.....	.....	1	.....
2	5	.....	5	.....	.....	2	2	1	8	.....	.....	8	.....	.....	1	.....
40	12	.....	12	.....	.....	155	200	1,304	520	.....	.....	520	.....	.....	320	.....
56	204	118	17	26	45	31	21	37	88	39	18	33	16	4	17	12
15,249	100,563	39,865	12,109	5,312	43,277	7,552	5,649	10,893	61,358	17,088	6,137	38,133	11,812	1,490	8,776	7,700
2	4	4	.....	.....	1	.....	5	.....	4	3	.....	1	1	.....	.....	.....
878	4,703	2,603	.....	2,100	.....	1,028	1,028	.....	911	711	.....	200	1,140	.....	.....	.....
8	9	9	.....	.....	.....	1	1	.....	1	1	.....	.....	.....	.....	.....	.....
1,490	7,875	7,875	.....	.....	.....	240	.....	.....	1,000	1,000	.....	.....	.....	.....	.....	.....
64	206	124	17	26	42	29	25	37	81	37	18	28	15	3	11	12
17,082	111,862	49,549	12,109	5,312	44,892	7,487	6,227	10,893	56,289	16,464	6,137	33,688	12,732	1,090	7,816	7,700
.....	1	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	185	.....	.....	.....	185	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	300	.....	.....	.....	300	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	6	6	.....	.....	.....	2	.....	.....	12	6	.....	6	2	1	6	.....
535	794	794	.....	.....	.....	690	.....	.....	6,980	2,335	.....	4,645	220	400	960	.....
.....	4	1	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	7	5	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	9	5	.....	.....	1	.....	.....	.....	4	3	.....	1	.....	.....	1	.....
6	20	16	.....	.....	3	.....	5	.....	6	2	.....	2	.....	.....	3	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	16	12	2	2	.....	8	2	5	12	5	3	4	.....	.....	4	2
14	43	29	2	8	.....	6	5	11	10	6	3	1	5	1	3	.....
13	67	40	6	7	.....	3	6	7	28	17	5	7	5	2	2	3
10	27	12	3	3	.....	2	3	6	11	3	3	6	3	1	1	3
4	24	11	4	.....	12	3	1	1	22	7	1	14	4	.....	3	3

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	South Platte River (VI-E)				Yellowstone River excluding Big Horn River <sup>1</sup> (VI-F)						
	Total	Lodge- pole Creek	Crow Creek	Cache la Poudre River	Total <sup>1</sup>	Powder River					
						Total	Powder River direct	Clear Creek	Crazy Woman Creek	Middle Fork	
	(2)	(5)	(6)		(2a)	(2b)	(2c)	(2d)			
<b>ALL ENTERPRISES</b>											
Cost of water to farms, 1949: <sup>2</sup>											
Total cost of water to farms:											
1	Enterprises reporting.....enterprises..	87	50	21	17	343	181	22	94	30	37
2	Cost.....dollars..	32,401	27,743	3,693	965	107,715	42,099	16,057	17,900	4,423	3,719
3	Area irrigated direct.....acres..	18,452	9,677	5,054	3,721	115,848	52,870	7,168	27,419	10,377	7,906
4	Cost per acre irrigated direct.....dollars..	1.76	2.87	0.73	0.26	0.93	0.80	2.24	0.65	0.43	0.47
5	Total cost per irrigated acre.....dollars..	1.76	2.87	0.73	0.26	0.95	0.83	2.24	0.70	0.43	0.49
6	Total cost per acre-foot of water <sup>3</sup> .....dollars..	(4)	(4)	(4)	(4)	0.53	0.52	(4)	0.39	0.43	0.61
Enterprises by cost per acre:											
7	Less than \$1.00.....enterprises reporting..	35	11	11	14	250	141	16	70	27	29
8	acres irrigated..	10,906	3,190	4,137	3,579	84,208	41,233	1,789	22,285	10,052	7,107
9	\$1.00-\$1.99.....enterprises reporting..	4	4	.....	.....	40	18	1	11	2	4
10	acres irrigated..	503	503	.....	.....	18,473	3,179	80	2,449	150	500
11	\$2.00-\$4.99.....enterprises reporting..	35	25	8	2	30	18	4	12	1	2
12	acres irrigated..	5,419	4,428	864	127	12,506	8,321	5,264	2,683	175	199
13	\$5.00-\$9.99.....enterprises reporting..	7	5	2	.....	7	.....	.....	.....	.....	.....
14	acres irrigated..	1,495	1,442	53	.....	257	.....	.....	.....	.....	.....
15	\$10.00 and over.....enterprises reporting..	6	5	.....	1	16	4	1	1	.....	2
16	acres irrigated..	129	114	.....	15	404	137	35	2	.....	100
Cost of water for primary irrigation:											
17	Enterprises reporting.....enterprises..	87	50	21	17	340	178	22	92	30	36
18	Cost.....dollars..	32,401	27,743	3,693	965	106,519	41,539	16,057	17,568	4,423	3,491
19	Area supplied primary irrigation.....acres..	18,452	9,677	5,054	3,721	113,086	50,844	7,168	25,639	10,377	7,660
20	Cost per acre supplied.....dollars..	1.76	2.87	0.73	0.26	0.94	0.82	2.24	0.69	0.43	0.46
Cost of water for supplemental irrigation:											
21	Enterprises reporting.....enterprises..	.....	.....	.....	.....	9	4	.....	2	.....	2
22	Cost.....dollars..	.....	.....	.....	.....	1,196	560	.....	332	.....	228
23	Area supplied supplemental irrigation.....acres..	.....	.....	.....	.....	2,762	2,026	.....	1,780	.....	246
24	Cost per acre supplied.....dollars..	.....	.....	.....	.....	0.43	0.28	.....	0.19	.....	0.93
Cost to farms for purposes other than operation and maintenance: <sup>5</sup>											
25	Enterprises reporting.....enterprises..	.....	.....	.....	.....	5	.....	.....	.....	.....	.....
26	Cost.....dollars..	.....	.....	.....	.....	2,855	.....	.....	.....	.....	.....
27	Area irrigated direct.....acres..	.....	.....	.....	.....	6,256	.....	.....	.....	.....	.....
28	Cost per acre irrigated.....dollars..	.....	.....	.....	.....	0.46	.....	.....	.....	.....	.....
Arrearage in payments by farms, Jan. 1, 1950: <sup>5</sup>											
29	Enterprises reporting.....enterprises..	.....	.....	.....	.....	3	1	.....	1	.....	.....
30	Amount.....dollars..	.....	.....	.....	.....	1,111	525	.....	525	.....	.....
31	Area irrigated direct.....acres..	.....	.....	.....	.....	7,126	235	.....	235	.....	.....
<b>SINGLE-FARM ENTERPRISES, 1950</b>											
32	Single-farm enterprises.....enterprises..	87	50	21	17	215	113	20	44	21	29
33	Area irrigated.....acres..	18,452	9,677	5,054	3,721	33,168	21,441	2,034	6,830	5,894	6,683
34	Complete-system enterprises <sup>7</sup> .....enterprises..	87	50	21	17	194	101	20	41	18	23
35	Area irrigated.....acres..	18,452	9,677	5,054	3,721	27,798	19,091	2,034	6,327	5,603	5,127
Other farms irrigated:											
36	Enterprises reporting.....number..	2	1	1	.....	12	7	.....	4	1	2
37	Number of other farms.....farms..	2	1	1	.....	16	9	.....	6	1	2
38	Area irrigated in other farms.....acres..	70	30	40	.....	735	384	.....	205	116	63
Enterprises by origin of water supply: <sup>7</sup>											
39	No water from other enterprises.....enterprises reporting..	87	50	21	17	198	102	20	42	18	23
40	acres irrigated..	18,452	9,677	5,054	3,721	29,020	19,091	2,034	6,327	5,603	5,127
41	Part of water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	13	10	.....	1	3	6
42	acres irrigated..	.....	.....	.....	.....	2,291	1,950	.....	103	291	1,556
43	All of water from other enterprises.....enterprises reporting..	.....	.....	.....	.....	4	1	.....	1	.....	.....
44	acres irrigated..	.....	.....	.....	.....	1,857	400	.....	400	.....	.....
Enterprises by primary and supplemental irrigation:											
45	All primary.....enterprises reporting..	87	50	21	17	212	112	20	43	21	29
46	acres irrigated..	18,452	9,677	5,054	3,721	33,168	21,441	2,034	6,830	5,894	6,683
47	Part primary, part supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	Primary irrigation.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
49	Supplemental irrigation.....acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	All supplemental.....enterprises reporting..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
51	acres irrigated..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enterprises by number of acres irrigated: <sup>7</sup>											
52	None.....enterprises reporting..	.....	.....	.....	.....	3	1	.....	1	.....	.....
53	1-9 acres.....enterprises reporting..	1	1	.....	.....	22	3	.....	1	.....	1
54	10-29 acres.....enterprises reporting..	13	8	2	3	20	7	.....	4	1	1
55	30-59 acres.....enterprises reporting..	17	9	5	3	38	20	.....	9	2	3
56	60-99 acres.....enterprises reporting..	8	4	2	2	39	21	.....	4	7	5
57	100-199 acres.....enterprises reporting..	17	8	5	4	54	37	.....	5	14	8
58	200-499 acres.....enterprises reporting..	21	14	4	3	23	13	.....	2	5	1
59	500-999 acres.....enterprises reporting..	3	1	1	1	11	8	.....	1	3	2
60	1,000 acres or more.....enterprises reporting..	7	5	2	1	5	3	.....	.....	.....	1

\*Not available.

<sup>1</sup>Data for less than 3 enterprises in Basins VI-C-3 and VI-F-1d included only in totals.

<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.

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.]

Yellowstone River excluding Big Horn River (VI-F)—Continued				Big Horn River (VI-G)											
Tongue River			Clarks Fork	Total	Big Horn River direct			Little Horn River	Shoshone River	Shell Creek	Greybull River	Nowood Creek	Owl Creek	Upper Wind River	Popo Agie River
Total	Tongue River direct	Goose Creek			Total	Below Thermopolis	Above Thermopolis								
	(3a)	(3b)	(4a)		(1a)	(1b)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
111	71	40	50	645	150	98	53	4	57	35	61	102	73	77	93
57,653	15,506	42,147	7,963	948,649	294,661	165,821	128,840	0	356,561	8,131	78,917	17,990	13,418	114,439	64,532
49,513	18,278	31,235	12,890	416,124	119,046	72,515	46,531	1,137	116,075	10,167	51,371	18,177	11,818	45,891	42,442
1.16	0.85	1.35	0.62	2.28	2.48	2.29	2.77	0.00	3.07	0.80	1.54	0.99	1.14	2.49	1.52
1.18	0.86	1.37	0.62	2.35	2.59	2.38	2.92	0.00	3.08	0.80	1.58	1.02	1.18	2.60	1.60
0.62	0.54	0.65	0.25	0.71	0.78	0.70	0.91	(4)	0.93	0.32	0.48	0.46	0.66	0.87	0.37
74	51	23	34	403	75	48	28	4	39	25	30	60	41	65	65
33,266	15,809	17,457	9,134	94,607	14,975	9,186	5,789	1,137	11,448	5,127	13,457	13,028	7,851	12,945	14,639
11	5	6	11	99	16	15	1	.....	7	6	21	23	10	5	15
11,834	1,963	9,871	3,460	135,098	28,706	16,006	12,700	.....	32,249	4,775	33,775	3,612	2,133	7,928	21,920
8	4	4	7	71	21	12	9	.....	5	3	9	9	12	3	11
3,914	250	3,664	271	131,252	64,501	36,773	27,728	.....	30,490	205	3,939	1,175	1,226	24,435	5,281
6	3	3	1	49	24	17	7	.....	5	1	1	6	8	3	1
232	121	111	25	54,567	10,523	10,366	157	.....	41,858	60	200	256	491	579	600
12	8	4	.....	23	14	6	8	.....	1	.....	.....	4	2	1	15
267	135	132	.....	600	341	184	157	.....	30	.....	.....	106	117	4	2
111	71	40	50	620	147	96	52	4	54	35	57	101	67	73	89
57,017	15,378	41,639	7,963	924,318	282,533	161,049	120,684	0	355,896	8,131	77,082	17,817	11,949	109,869	61,041
48,777	18,030	30,747	12,890	403,939	113,756	69,688	44,068	1,137	115,627	10,167	49,883	17,715	11,385	44,050	40,219
1.17	0.85	1.35	0.62	2.29	2.48	2.32	2.74	0.00	3.08	0.80	1.55	1.01	1.05	2.49	1.52
5	3	2	.....	48	10	6	4	.....	7	.....	5	6	7	6	9
636	128	508	.....	24,331	12,128	3,972	8,156	.....	665	.....	1,835	173	1,469	4,570	3,491
736	248	488	.....	12,185	5,290	2,827	2,463	.....	448	.....	1,488	462	433	1,841	2,223
0.86	0.52	1.04	.....	2.00	2.29	1.41	3.31	.....	1.48	.....	1.23	0.37	3.39	2.48	1.57
4	3	1	1	32	7	4	3	.....	6	1	15	.....	1	1	4
1,254	504	750	1,601	282,253	68,851	15,568	53,283	.....	145,500	1,007	7,016	.....	1,165	54,249	4,465
4,121	1,999	2,122	2,135	170,810	54,303	14,603	39,700	.....	73,012	2,708	11,880	.....	1,497	24,000	3,410
0.30	0.25	0.35	0.75	1.65	1.27	1.07	1.34	.....	1.99	0.37	0.59	.....	0.78	2.26	1.31
2	1	1	.....	7	4	3	1	.....	.....	.....	.....	.....	1	2	3
586	200	386	.....	563,045	2,269	1,719	550	.....	.....	.....	.....	.....	210	152,320	408,246
6,891	61	6,830	.....	78,602	24,669	3,669	21,000	.....	.....	.....	.....	.....	1,497	31,383	21,053
61	43	18	40	432	119	70	49	4	45	17	21	58	56	63	50
5,761	2,373	3,388	5,391	64,386	16,375	9,852	6,523	910	8,005	2,371	8,236	6,032	7,733	9,834	4,890
52	37	15	40	354	93	53	40	3	38	17	14	55	27	58	50
2,741	1,916	825	5,391	54,039	14,333	7,931	6,402	910	7,759	2,371	4,483	6,000	4,259	9,034	4,890
4	3	1	1	12	6	6	.....	.....	2	.....	1	.....	1	1	1
6	5	1	1	14	8	8	.....	.....	1	.....	1	.....	1	1	1
343	321	22	8	839	403	403	.....	.....	194	.....	117	.....	60	30	35
55	39	16	40	360	95	55	40	4	40	17	14	56	27	58	50
3,963	1,916	2,047	5,391	54,039	14,333	7,931	6,402	910	7,759	2,371	4,483	6,000	4,259	9,034	4,890
3	2	1	.....	24	5	5	.....	.....	2	.....	6	.....	6	4	.....
341	337	4	.....	5,739	900	900	.....	.....	140	.....	3,603	23	461	612	.....
3	2	1	.....	48	19	10	9	.....	3	.....	1	1	23	1	.....
1,457	120	1,337	.....	4,608	1,142	1,021	121	.....	106	.....	150	9	3,013	188	.....
59	41	18	40	404	114	66	48	3	39	17	19	56	52	59	46
5,761	2,373	3,388	5,391	62,237	16,174	9,691	6,483	910	7,757	2,371	7,845	5,814	7,467	9,349	4,550
.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	35	.....	.....	.....	.....	35	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	65	.....	.....	.....	.....	65	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	21	3	2	1	.....	3	.....	2	1	4	4	4
.....	.....	.....	.....	2,049	201	161	40	.....	148	.....	391	218	266	485	340
2	2	.....	.....	6	2	2	.....	1	2	.....	.....	.....	.....	.....	.....
19	15	4	.....	23	10	5	.....	5	1	.....	1	.....	1	1	1
9	6	3	4	53	18	7	11	1	1	.....	2	10	3	8	9
11	9	2	7	80	22	13	9	.....	14	2	.....	8	14	10	10
10	5	5	8	83	13	7	6	.....	12	4	1	10	14	14	15
5	4	1	12	97	30	21	9	1	7	7	6	9	17	12	8
2	1	1	8	68	20	12	8	.....	7	.....	8	11	2	15	6
1	1	.....	1	16	3	3	.....	1	.....	2	1	1	5	2	1
2	.....	2	.....	6	1	.....	1	.....	1	.....	3	.....	.....	.....	60

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	The State <sup>1</sup>	North Pacific Coast (Snake River) (1-H)				
		Total	Snake River direct (1b)	Henry's Fork (Upper Teton River) (3b)	Salt River (4)	Gros Ventre River (5)
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>						
1 Multiple-farm enterprises, total number <sup>2</sup> .....enterprises..	693	107	12	6	86	3
2 Area irrigated direct.....acres..	839,939	54,310	8,177	2,375	41,238	2,520
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	13	2	1			1
4 Area irrigated direct.....acres..	130,127	1,870				1,870
5 Complete-system enterprises <sup>2</sup> .....enterprises..	462	74	4	5	64	1
6 Area irrigated direct.....acres..	477,320	33,232	3,459	2,300	26,823	650
<b>Enterprises by origin of water supply:<sup>2</sup></b>						
7 No water from other enterprises.....enterprises reporting..	573	96	5	5	83	3
8.....acres irrigated..	602,498	48,712	3,459	2,300	40,433	2,520
9 Part of water from other enterprises.....enterprises reporting..	78	9	7	1	1	
10.....acres irrigated..	175,075	5,173	4,718	75	380	
11 All water from other enterprises.....enterprises reporting..	42	2			2	
12.....acres irrigated..	62,366	425			425	
<b>Enterprises by delivery of irrigation water:<sup>2</sup></b>						
13 No water delivered.....enterprises reporting..						
14 Water delivered direct to farms only.....enterprises reporting..	527	81	11	6	62	2
15.....acres irrigated..	535,419	35,683	8,177	2,375	22,611	2,520
16 Water delivered to farms and to other enterprises.....enterprises reporting..	147	25	1		24	
17.....acres irrigated..	304,520	18,627			18,627	
18 Water delivered to other enterprises only.....enterprises reporting..	19	1				1
<b>Enterprises by primary and supplemental irrigation:<sup>3</sup></b>						
19 All primary.....enterprises reporting..	565	58	10	6	41	1
20.....acres irrigated..	610,851	24,130	7,927	2,375	13,178	650
21 Part primary, part supplemental.....enterprises reporting..	78	25	1		23	1
22 Primary irrigation.....acres irrigated..	199,593	21,091	30		19,624	1,437
23 Supplemental irrigation.....acres irrigated..	21,594	4,226	220		3,573	433
24 All supplemental.....enterprises reporting..	29	22			22	
25.....acres irrigated..	7,901	4,863			4,863	
<b>Enterprises by number of farms irrigated direct:<sup>2</sup></b>						
26 None.....enterprises reporting..	19	1				1
27 1-3.....enterprises reporting..	362	50	5		44	1
28 4-9.....enterprises reporting..	174	31	6	1	23	1
29 10-29.....enterprises reporting..	94	19	1		15	
30 30-99.....enterprises reporting..	29	6		3	4	
31 100-299.....enterprises reporting..	11					
32 300-999.....enterprises reporting..	3					
33 1,000 or more.....enterprises reporting..	1					
<b>Enterprises by acres irrigated direct:<sup>2</sup></b>						
34 None.....enterprises reporting..	19	1				1
35 1-99 acres.....enterprises reporting..	78	15			15	
36 100-999 acres.....enterprises reporting..	434	73	10	2	60	1
37 1,000-2,999 acres.....enterprises reporting..	110	14	2	2	9	1
38 3,000-9,999 acres.....enterprises reporting..	36	4		2	2	
39 10,000-29,999 acres.....enterprises reporting..	12					
40 30,000 or more.....enterprises reporting..	4					
<b>Quantities of water reported, 1949:<sup>4</sup></b>						
41 Total obtained from all sources <sup>4</sup> .....enterprises reporting..	683	107	12	6	86	3
42.....percent of all enterprises reporting..	22	40	21	75	46	23
43.....acre-feet..	8,478,688	3,142,110	2,891,967	60,120	165,541	24,482
44 Surface sources.....enterprises reporting..	640	105	12	6	84	3
45.....acre-feet..	7,288,296	3,127,579	2,880,373	59,263	163,461	24,482
46 Pumped wells.....enterprises reporting..	2	1	1			
47.....acre-feet..	1,834	1,334	1,334			
48 Other enterprises.....enterprises reporting..	118	11	7	1	3	
49.....acre-feet..	1,188,558	13,197	10,260	857	2,080	
50 Conveyance loss <sup>4</sup> .....enterprises reporting..	656	101	12	6	80	3
51.....acre-feet..	1,654,100	503,914	461,686	12,652	27,345	2,231
<b>Delivered:<sup>4</sup></b>						
52 Direct to farms.....enterprises reporting..	668	106	12	6	86	2
53.....acre-feet..	2,405,796	202,663	26,338	47,468	117,564	11,293
54 To other enterprises.....enterprises reporting..	158	26	1		24	1
55.....acre-feet..	3,972,444	2,311,779	2,288,754		12,575	10,450
56 For use other than irrigation.....enterprises reporting..	19	8	1		6	1
57.....acre-feet..	446,348	123,754	115,189		8,057	508
<b>Delivered direct to farms for primary irrigation:<sup>3</sup></b>						
58 Enterprises reporting.....enterprises..	637	83	11	6	64	2
59 Quantity delivered.....acre-feet..	2,036,917	137,520	24,258	8,892	95,062	9,308
60 Area supplied primary irrigation.....acres..	808,259	45,221	7,957	2,375	32,802	2,087
61 Quantity supplied per acre.....acre-feet..	2.5	3.0	3.0	3.7	2.9	4.5
<b>Delivered direct to farms for supplemental irrigation:<sup>3</sup></b>						
62 Enterprises reporting.....enterprises..	101	47	1		45	1
63 Quantity delivered.....acre-feet..	74,842	24,255	880		21,390	1,985
64 Area supplied supplemental irrigation.....acres..	28,769	9,089	220		8,436	433
65 Quantity supplied per acre.....acre-feet..	2.6	2.7	4.0		2.5	4.6
66 Total quantity per irrigated acre <sup>3</sup> .....acre-feet..	2.6	3.4	3.0	3.7	3.5	5.3
<b>Cost of water to farms for enterprises reporting quantity delivered, 1949:<sup>3</sup></b>						
67 Cost for primary irrigation.....dollars..	1,336,312	27,926	3,470	2,268	17,060	5,128
68 Average cost per acre-foot.....dollars..	0.66	0.20	0.14	0.26	0.18	0.55
69 Cost for supplemental irrigation.....dollars..	34,059	5,290	880		2,938	1,472
70 Average cost per acre-foot.....dollars..	0.46	0.22	1.00		0.14	0.74
<b>Measurement of water to farms, 1949:<sup>3</sup></b>						
71 No water measured.....enterprises reporting..	560	98	11	2	82	3
72.....acres irrigated..	425,305	47,360	8,177	508	36,155	2,520
73 Part of water measured.....enterprises reporting..	72	4		4		
74.....acres irrigated..	208,652	1,867		1,867		
75 All water measured.....enterprises reporting..	42	2			2	
76.....acres irrigated..	183,960	4,400			4,400	

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.]

Great Basin (Bear River) (III-E)			Gulf of California (Green River) (IV-E)								
Total	Below Woodruff, Utah (1b)	Above Woodruff (1c)	Total <sup>1</sup>	Green River direct (1)	Yampa River (Little Snake River) (8b)	Henry's Fork (9)	Blacks Fork			Piney Creek (13)	New Fork (14)
							Total	Blacks Fork direct (10a)	Hams Fork (10b)		
23	7	16	40	5	4	3	17	14	3	4	5
22,789	6,990	15,799	101,002	12,770	5,889	4,805	42,381	40,806	1,575	4,277	21,636
1		1	1				1	1			
2,227		2,227	16,605				16,605	16,605			
8	5	3	29	5	4	3	11	9	2	3	1
9,670	4,306	5,364	51,129	12,770	5,889	4,805	13,806	12,791	1,015	3,557	1,058
23	7	16	39	5	4	3	16	13	3	4	5
22,789	6,990	15,799	99,322	12,770	5,889	4,805	40,701	39,126	1,575	4,277	21,636
			1				1	1			
			1,680				1,680	1,680			
7	5	2	23	5	4	2	6	5	1	3	1
8,745	4,306	4,439	45,010	12,770	5,889	3,578	8,914	8,674	240	3,557	1,058
13	2	11	17			1	11	9	2	1	4
14,044	2,684	11,360	55,992			1,227	33,467	32,132	1,335	720	20,578
3		3									
15	2	13	32	4	4	3	10	7	3	4	5
16,385	586	15,799	84,231	9,850	5,889	4,805	28,530	26,955	1,575	4,277	21,636
4	4		8	1			7	7			
4,715	4,715		14,367	1,820			12,547	12,547			
1,689	1,689		2,404	1,100			1,304	1,304			
3		3									
8	2	6	11	2			3	1		2	1
6	3	3	12	3			5	4	1	2	1
6	2	4	15				8	8			3
			2				1	1			
3		3									
11	3	8	10	1	2		4	2	2	2	
6	3	3	20	2	1	2	11	10	1	2	2
2	1	1	8	2	1	1	1	1			2
			2				1	1			1
23	7	16	40	5	4	3	17	14	3	4	5
20	15	23	9	7	9	7	12	14	8	14	9
141,510	50,030	91,480	305,957	39,480	11,195	20,490	104,548	98,848	5,700	19,300	86,373
23	7	16	39	5	4	3	16	13	3	4	5
141,510	50,030	91,480	303,257	39,480	11,195	20,490	101,848	96,148	5,700	19,300	86,373
			1				1	1			
			2,700				2,700	2,700			
23	7	16	38	5	4	3	16	13	3	4	5
24,389	9,510	14,879	42,093	3,948	607	672	16,270	15,700	570	1,930	13,145
20	7	13	40	5	4	3	17	14	3	4	5
64,998	35,292	29,706	229,524	35,532	10,588	19,788	74,946	69,944	5,002	10,620	59,000
16	2	14	17				11	9	2	1	4
51,757	5,228	46,529	33,740			30	12,732	12,604	128	6,750	14,228
2		2	1				1	1			
366		366	600				600	600			
19	6	13	40	5	4	3	17	14	3	4	5
42,945	13,239	29,706	215,951	33,822	9,613	13,465	70,381	67,667	2,714	10,620	59,000
21,100	5,301	15,799	98,598	11,670	5,889	4,805	41,077	39,502	1,575	4,277	21,636
2.0	2.5	1.9	2.2	2.9	1.6	2.8	1.7	1.7	1.7	2.5	2.7
3			8	1			7	7			
3,711	3,711		3,987	1,710			2,277	2,277			
1,369	1,369		2,404	1,100			1,304	1,304			
2.7	2.7		1.7	1.6			1.7	1.7			
2.2	2.9	1.9	2.3	2.9	1.6	2.8	1.8	1.8	1.7	2.5	2.7
9,868	2,503	7,365	45,089	232	5,250	3,805	18,988	18,938	50	310	6,454
0.23	0.19	0.25	0.21	0.01	0.55	0.28	0.27	0.28	0.02	0.03	0.11
809			1,804	38			1,766	1,766			
0.22	0.22		0.45	0.02			0.78	0.78			
22	7	15	34	5	2	2	14	12	2	4	5
20,330	6,990	13,340	91,783	12,770	3,516	1,487	38,853	37,518	1,335	4,277	21,636
1		1	2				1	1			
2,459		2,459	5,239			3,318	1,921	1,921			

IRRIGATION OF AGRICULTURAL LANDS

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

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

Item (For definitions and explanations, see text)	Mississippi River <sup>1</sup>  (VI)	Platte River excluding South Platte River (North Platte River) (VI-D)				
		Total	North Platte River direct			
			Total	Below Guernsey Reservoir (3b)	Guernsey Reservoir to Alcova Dam (3c)	Above Alcova Dam (3d)
<b>MULTIPLE-FARM ENTERPRISES, 1950</b>						
1 Multiple-farm enterprises, total number <sup>2</sup> .....enterprises..	524	161	54	15	24	17
2 Area irrigated direct.....acres..	661,838	226,920	109,549	75,562	16,411	17,576
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	9	6	3	1	2	2
4 Area irrigated direct.....acres..	109,425	55,511	45,467	40,600	4,867	.....
5 Complete-system enterprises <sup>2</sup> .....enterprises..	352	110	43	10	19	15
6 Area irrigated direct.....acres..	388,289	114,530	46,695	18,845	11,449	16,401
Enterprises by origin of water supply: <sup>2</sup>						
7 No water from other enterprises.....enterprises reporting..	416	127	45	6	24	17
8 No water delivered.....acres irrigated..	431,675	142,097	45,089	11,102	16,411	17,576
9 Part of water from other enterprises.....enterprises reporting..	69	9	7	7	.....	.....
10 Part of water delivered.....acres irrigated..	169,902	53,037	51,484	51,484	.....	.....
11 All water from other enterprises.....enterprises reporting..	39	25	2	2	.....	.....
12 All water delivered.....acres irrigated..	60,261	31,786	12,976	12,976	.....	.....
Enterprises by delivery of irrigation water: <sup>2</sup>						
13 No water delivered.....enterprises reporting..	.....	.....	.....	.....	.....	.....
14 Water delivered direct to farms only.....enterprises reporting..	417	130	45	13	18	15
15 Water delivered direct to farms only.....acres irrigated..	445,981	128,802	52,644	25,086	11,157	16,401
16 Water delivered to farms and to other enterprises.....enterprises reporting..	92	27	8	2	5	1
17 Water delivered to farms and to other enterprises.....acres irrigated..	215,857	98,118	56,905	50,476	5,254	1,175
18 Water delivered to other enterprises only.....enterprises reporting..	15	4	1	.....	1	1
Enterprises by primary and supplemental irrigation: <sup>3</sup>						
19 All primary.....enterprises reporting..	461	144	46	12	20	14
20 All primary.....acres irrigated..	486,105	196,326	99,222	70,871	11,228	17,123
21 Part primary, part supplemental.....enterprises reporting..	41	13	7	3	3	1
22 Part primary, part supplemental.....acres irrigated..	159,420	27,114	9,023	3,602	4,992	429
23 Supplemental irrigation.....acres irrigated..	13,275	3,480	1,304	1,089	191	24
24 All supplemental.....enterprises reporting..	7	.....	.....	.....	.....	.....
25 All supplemental.....acres irrigated..	3,038	.....	.....	.....	.....	.....
Enterprises by number of farms irrigated direct: <sup>2</sup>						
26 None.....enterprises reporting..	15	4	1	.....	1	1
27 1-3.....enterprises reporting..	292	101	35	4	18	13
28 4-9.....enterprises reporting..	127	32	7	2	3	2
29 10-29.....enterprises reporting..	54	13	2	.....	.....	.....
30 30-99.....enterprises reporting..	21	8	7	5	2	1
31 100-299.....enterprises reporting..	11	1	.....	.....	.....	.....
32 300-999.....enterprises reporting..	3	1	1	1	.....	.....
33 1,000 or more.....enterprises reporting..	1	1	1	1	.....	.....
Enterprises by acres irrigated direct: <sup>2</sup>						
34 None.....enterprises reporting..	15	4	1	.....	1	1
35 1-99 acres.....enterprises reporting..	62	9	6	.....	6	.....
36 100-999 acres.....enterprises reporting..	340	101	28	5	14	9
37 1,000-2,999 acres.....enterprises reporting..	71	34	11	5	1	5
38 3,000-9,999 acres.....enterprises reporting..	22	10	6	3	2	2
39 10,000-29,999 acres.....enterprises reporting..	10	1	.....	.....	.....	.....
40 30,000 or more.....enterprises reporting..	4	2	2	2	.....	.....
Quantities of water reported, 1949: <sup>4</sup>						
41 Total obtained from all sources.....enterprises reporting..	514	156	53	15	23	17
42 Total obtained from all sources.....percent of all enterprises reporting..	22	14	11	8	12	18
43 Surface sources.....acre-feet..	4,892,111	2,515,678	2,181,191	899,617	1,235,234	1,237,443
44 Surface sources.....enterprises reporting..	474	131	51	13	23	17
45 Pumped wells.....acre-feet..	3,718,950	1,734,650	1,450,647	169,073	1,235,234	1,237,443
46 Pumped wells.....enterprises reporting..	1	1	1	1	.....	.....
47 Other enterprises.....acre-feet..	500	500	500	500	.....	.....
48 Other enterprises.....enterprises reporting..	106	34	9	9	.....	.....
49 Conveyance loss.....acre-feet..	1,172,661	780,528	730,044	730,044	.....	.....
50 Conveyance loss.....enterprises reporting..	495	148	52	15	23	16
51 Conveyance loss.....acre-feet..	1,084,004	563,436	494,143	368,314	115,473	111,663
Delivered: <sup>4</sup>						
52 Direct to farms.....enterprises reporting..	503	155	52	15	22	16
53 Direct to farms.....acre-feet..	1,911,311	627,228	428,351	355,865	37,389	45,493
54 To other enterprises.....enterprises reporting..	100	27	8	2	5	2
55 To other enterprises.....acre-feet..	1,575,168	1,137,884	1,071,567	175,438	895,242	893,157
56 To other enterprises.....enterprises reporting..	8	1	1	.....	.....	.....
57 To other enterprises.....acre-feet..	321,628	187,130	187,130	.....	187,130	187,130
Delivered direct to farms for primary irrigation: <sup>3</sup>						
58 Enterprises reporting.....enterprises..	496	154	52	15	22	15
59 Quantity delivered.....acre-feet..	1,640,501	399,204	194,788	138,950	20,741	35,097
60 Area supplied primary irrigation.....acres..	643,340	221,717	107,998	74,473	15,973	17,552
61 Quantity supplied per acre.....acre-feet..	2.5	1.8	1.8	1.9	1.3	2.0
Delivered direct to farms for supplemental irrigation: <sup>3</sup>						
62 Enterprises reporting.....enterprises..	43	12	6	3	3	.....
63 Quantity delivered.....acre-feet..	42,889	8,117	3,676	3,188	488	.....
64 Area supplied supplemental irrigation.....acres..	15,907	3,456	1,280	1,089	191	.....
65 Quantity supplied per acre.....acre-feet..	2.7	2.3	2.9	2.9	2.6	.....
66 Total quantity per irrigated acre <sup>5</sup> .....acre-feet..	2.6	1.9	1.9	2.0	1.4	2.0
Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>						
67 Cost for primary irrigation.....dollars..	1,253,429	304,022	228,314	210,966	15,773	1,575
68 Average cost per acre-foot.....dollars..	0.76	0.76	1.17	1.52	0.76	0.64
69 Cost for supplemental irrigation.....dollars..	26,156	3,838	1,854	1,512	342	.....
70 Average cost per acre-foot.....dollars..	0.61	0.47	0.50	0.47	0.70	.....
Measurement of water to farms, 1949: <sup>3</sup>						
71 No water measured.....enterprises reporting..	406	124	40	6	22	13
72 No water measured.....acres irrigated..	265,832	82,678	23,392	3,894	7,092	12,406
73 Part of water measured.....enterprises reporting..	68	17	8	4	1	3
74 Part of water measured.....acres irrigated..	206,785	63,370	23,941	14,319	4,452	5,170
75 All water measured.....enterprises reporting..	37	13	5	5	1	1
76 All water measured.....acres irrigated..	171,862	74,732	62,216	57,349	4,867	.....

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





IRRIGATION OF AGRICULTURAL LANDS

Drainage Basin Table 1 (Part 4 of 4).—IRRIGATION ENTERPRISES: NUMBER AND  
 [Interbasin enterprises are counted in each drainage basin in which they had irrigation works, but only

Item (For definitions and explanations, see text)	Yellowstone River excluding Big Horn River (VI-F)					
	Total	Powder River			Tongue River	
		Total <sup>1</sup>	Clear Creek (2b)	Crazy Woman Creek (2c)	Middle Fork (2d)	Total
MULTIPLE-FARM ENTERPRISES, 1950						
1 Multiple-farm enterprises, total number <sup>2</sup> .....enterprises..	139	73	55	9	8	56
2 Area irrigated direct.....acres..	82,680	31,429	20,589	4,483	1,223	43,752
3 Multiple-purpose enterprises <sup>2</sup> .....enterprises..	1	1	1			
4 Area irrigated direct.....acres..	147	147	147			27
5 Complete-system enterprises <sup>2</sup> .....enterprises..	79	42	32	5		946
6 Area irrigated direct.....acres..	45,684	18,254	9,696	2,478		19,931
Enterprises by origin of water supply: <sup>2</sup>						
7 No water from other enterprises.....enterprises reporting..	101	57	40	8	8	31
8 Part of water from other enterprises.....acres irrigated..	53,772	23,175	13,525	3,293	1,223	23,098
9 All water from other enterprises.....enterprises reporting..	33	14	13	1		19
10 Part of water from other enterprises.....acres irrigated..	25,916	7,524	6,334	1,190		18,392
11 All water from other enterprises.....enterprises reporting..	5	2	2			3
12 Part of water from other enterprises.....acres irrigated..	2,992	730	730			2,262
Enterprises by delivery of irrigation water: <sup>2</sup>						
13 No water delivered.....enterprises reporting..						44
14 Water delivered direct to farms only.....enterprises reporting..	108	54	44	6	3	29,608
15 Part of water delivered direct to farms only.....acres irrigated..	61,185	24,078	14,672	3,668	604	14,144
16 Water delivered to farms and to other enterprises.....enterprises reporting..	23	15	7	3	5	
17 Part of water delivered to farms and to other enterprises.....acres irrigated..	21,495	7,351	5,917	815	619	
18 Water delivered to other enterprises only.....enterprises reporting..	8	4	4			
Enterprises by primary and supplemental irrigation: <sup>3</sup>						
19 All primary.....enterprises reporting..	122	65	49	9	6	47
20 Part of water from other enterprises.....acres irrigated..	65,216	29,378	18,809	4,483	952	28,339
21 Primary irrigation.....enterprises reporting..	6	1			1	5
22 Part of water from other enterprises.....acres irrigated..	14,702	25			25	14,677
23 Supplemental irrigation.....enterprises reporting..	769	33			33	736
24 Part of water from other enterprises.....acres irrigated..	3	3	2		1	
25 All supplemental.....enterprises reporting..	1,993	1,993	1,780		213	
Enterprises by number of farms irrigated direct: <sup>2</sup>						
26 None.....enterprises reporting..	8	4	4			4
27 1-3.....enterprises reporting..	75	52	36	8	8	18
28 4-9.....enterprises reporting..	33	14	13	1		15
29 10-29.....enterprises reporting..	19	2	2			16
30 30-99.....enterprises reporting..	4	1				3
31 100-299.....enterprises reporting..						
32 300-999.....enterprises reporting..						
33 1,000 or more.....enterprises reporting..						
Enterprises by acres irrigated direct: <sup>2</sup>						
34 None.....enterprises reporting..	8	4	4			4
35 1-99 acres.....enterprises reporting..	18	11	7	1	3	6
36 100-999 acres.....enterprises reporting..	94	53	41	7	5	34
37 1,000-2,999 acres.....enterprises reporting..	15	4	3	1		9
38 3,000-9,999 acres.....enterprises reporting..	4	1				3
39 10,000-29,999 acres.....enterprises reporting..						
40 30,000 or more.....enterprises reporting..						
Quantities of water reported, 1949:						
41 Total obtained from all sources <sup>4</sup> .....enterprises reporting..	136	70	54	9	6	56
42 percent of all enterprises.....reporting..	38	38	55	30	16	48
43 Surface sources.....acre-feet..	246,026	96,920	82,632	5,925	1,451	119,891
44 Pumped wells.....acre-feet..	131	68	52	9	6	51
45 Other enterprises.....acre-feet..	214,177	84,651	70,640	5,648	1,451	100,312
46 Conveyance loss <sup>4</sup> .....acre-feet..	37	15	14	1		22
47 Delivered <sup>4</sup> .....acre-feet..	31,849	12,269	11,992	277		19,580
48 Direct to farms.....acre-feet..	134	70	54	9	6	54
49 To other enterprises.....acre-feet..	45,042	19,167	16,381	1,182	242	15,814
50 For use other than irrigation.....acre-feet..	128	66	50	9	6	52
51 Delivered direct to farms for primary irrigation: <sup>3</sup>	149,103	46,155	35,310	4,381	914	83,795
52 Enterprises reporting.....enterprises..	28	16	10	3	3	12
53 Quantity delivered.....acre-feet..	51,483	31,598	30,941	362	295	19,885
54 Area supplied primary irrigation.....acres..	2					2
55 Quantity supplied per acre.....acre-feet..	398					396
56 Delivered direct to farms for supplemental irrigation: <sup>3</sup>	126	64	49	9	5	52
57 Enterprises reporting.....enterprises..	143,688	43,295	32,305	4,381	717	81,905
58 Quantity delivered.....acre-feet..	79,828	29,313	18,809	4,483	887	43,016
59 Area supplied supplemental irrigation.....acres..	1.8	1.5	1.7	1.0	0.8	1.9
60 Quantity supplied per acre.....acre-feet..	8	3	2		1	5
61 Total quantity per irrigated acre <sup>5</sup> .....acre-feet..	4,615	3,072	2,875		197	1,543
62 Cost of water to farms for enterprises reporting quantity delivered, 1949: <sup>3</sup>	2,729	1,993	1,780		213	736
63 Cost for primary irrigation.....dollars..	1.7	1.5	1.6		0.9	2.1
64 Average cost per acre-foot.....dollars..	1.8	1.6	1.8	1.0	0.8	1.9
65 Cost for supplemental irrigation.....dollars..	85,650	31,486	12,849	2,773	804	48,486
66 Average cost per acre-foot.....dollars..	0.60	0.73	0.40	0.63	1.12	0.59
67 Cost for supplemental irrigation.....dollars..	1,168	532	332		200	636
68 Average cost per acre-foot.....dollars..	0.25	0.17	0.12		1.02	0.41
Measurement of water to farms, 1949: <sup>3</sup>						
69 No water measured.....enterprises reporting..	107	62	45	9	8	44
70 Part of water measured.....acres irrigated..	48,365	20,094	14,388	4,483	1,223	26,135
71 All water measured.....acres irrigated..	14					6
72 All water measured.....enterprises reporting..	19,860	11	10			14,961
73 Part of water measured.....acres irrigated..	15					
74 All water measured.....enterprises reporting..	13,393	10,993	6,201			2,400

<sup>1</sup>Data for less than 3 enterprises in Basins IV-E-11, IV-E-16, VI-C-5b, VI-D-5b, VI-D-5c, VI-F-2a, and VI-G-2 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>4</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]

Yellowstone River excluding Big Horn River (VI-F)—Continued			Big Horn River (VI-G)										
Tongue River—Continued		Clarks Fork	Total <sup>1</sup>	Big Horn River direct			Shoshone River	Shell Creek	Greybull River	Nowood Creek	Owl Creek	Upper Wind River	Popo Agie River
Tongue River direct (3a)	Goose Creek (3b)			Total	Below Thermopolis (1a)	Above Thermopolis (1b)							
30	26	10	222	34	31	4	14	18	41	45	18	14	44
15,905	27,847	7,499	351,738	102,671	62,663	40,008	108,070	7,796	43,135	12,145	4,085	36,057	37,552
11	16	10	53,767	21,000	21,000	21,000	8,767	18	26	44	5	24,000	27
8,201	11,730	7,499	222,575	79,582	39,882	39,700	45,342	7,796	11,401	12,145	2,769	34,325	28,988
12	22	10	186	32	30	3	11	18	19	45	18	14	34
9,127	13,971	7,499	235,306	79,934	52,626	27,308	54,109	7,796	7,690	12,145	4,085	36,057	36,263
16	3	10	27	2	1	1	1	22	22	2	14	5	8
5,961	12,431	7,499	90,949	22,737	10,037	12,700	31,054	18	35,445	18	18	14	1,713
2	1	10	9	1	1	1	2	2	7	2	2	7	11
817	1,445	7,499	25,483	1	1	1	22,907	1	1	1	1	1	2,576
27	17	10	177	21	19	2	13	18	37	43	4	9	35
12,729	16,879	7,499	255,494	52,224	33,524	18,700	99,303	7,796	40,991	10,998	1,272	10,325	32,358
3	5	10	42	12	11	2	1	3	3	2	14	5	16
3,176	10,968	7,499	96,244	50,447	29,139	21,308	8,767	18	2,144	1,147	2,813	25,732	5,194
27	20	10	193	26	26	1	11	18	37	40	14	12	38
13,022	15,317	7,499	224,063	47,804	47,496	308	95,613	7,796	40,009	9,912	3,893	4,674	14,135
3	2	10	22	7	4	3	3	1	1	5	1	2	21
2,635	12,042	7,499	117,604	49,778	12,501	37,277	12,222	18	2,029	1,989	25	30,027	21,534
248	488	10	9,026	5,089	2,666	2,423	235	2	212	244	7	1,356	1,883
4	4	10	1,045	1	1	1	1	2	885	160	2	2	24
13	5	5	115	6	7	1	1	11	26	33	15	8	14
10	5	4	61	11	10	1	1	5	9	11	1	3	21
7	9	1	22	7	7	1	2	1	3	1	2	1	7
3	3	10	9	6	5	1	4	1	1	1	1	1	30
10	2	1	10	2	1	1	7	1	1	1	1	1	31
2	1	1	2	1	1	1	1	1	1	1	1	2	1
2	4	10	3	1	1	1	1	1	1	1	1	1	1
24	10	7	145	15	15	1	1	5	10	32	12	10	33
4	5	2	21	7	7	1	4	2	5	2	1	1	2
18	4	10	8	2	2	1	6	1	1	1	1	1	38
8,960	10,620	7,499	9	5	4	1	1	2	2	2	1	1	39
28	26	10	2	1	1	1	1	1	1	1	1	1	40
3,667	12,147	10,061	474,936	160,033	66,396	93,678	183,858	2,454	26,879	4,609	2,441	157,951	96,084
30	22	10	218	33	30	4	14	18	39	45	18	14	43
26,114	57,661	19,153	1,131,830	403,400	230,541	173,084	362,056	23,346	165,840	25,224	8,449	253,549	190,360
3	9	10	45	12	11	2	2	1	4	2	14	5	9
3,745	16,140	7,499	385,801	5,194	3,360	1,909	320,027	18	43,416	37	3,942	2,981	12,338
1	1	10	5	4	2	2	2	1	1	1	1	1	56
76	322	10	134,100	134,021	600	133,421	400	1	1	1	200	132,015	79
30	22	10	214	33	30	4	14	18	37	45	15	14	43
25,322	56,583	18,488	1,096,187	312,275	198,059	114,216	356,070	19,161	134,844	24,583	7,113	99,177	142,534
15,657	27,359	7,499	341,295	97,582	59,997	37,585	107,835	7,796	41,666	11,901	3,918	34,701	35,669
1.6	2.1	2.5	3.2	3.2	3.3	3.0	3.3	2.5	3.2	2.1	1.8	2.9	4.0
3	2	10	23	7	4	3	2	1	3	5	3	2	3
445	1,098	7,499	30,157	14,122	7,045	7,077	506	1	2,630	641	93	4,328	7,837
248	488	10	9,722	5,089	2,666	2,423	194	1	1,097	244	167	1,356	1,575
1.8	2.2	2.5	3.1	2.8	2.6	2.9	2.6	2.4	2.4	2.6	0.6	3.2	5.0
1.6	2.1	2.5	3.3	3.3	3.4	3.2	3.3	2.5	3.3	2.2	1.8	3.0	4.3
8,987	39,499	5,678	863,685	259,368	143,982	115,386	354,220	7,691	68,207	7,966	4,518	107,469	54,246
0.35	0.70	0.31	0.79	0.83	0.73	1.01	0.99	0.40	0.51	0.32	0.64	1.08	0.38
128	508	10	21,150	11,414	3,522	7,892	232	1	1,564	173	524	4,500	2,743
0.29	0.46	0.70	0.70	0.81	0.50	1.12	0.46	1	0.59	0.27	5.63	1.04	0.35
27	17	1	173	25	24	2	6	17	10	45	17	13	42
13,965	12,171	2,135	134,289	39,947	33,639	6,308	19,321	5,088	6,626	12,145	2,588	12,057	36,290
1	5	8	37	4	4	1	29	1	1	1	1	1	73
354	14,607	4,899	123,555	15,313	15,313	15,313	70,235	2,708	35,299	1	1	1	74
2	2	10	9	5	3	2	2	1	1	1	1	1	2
1,586	814	7,499	83,737	47,411	13,711	33,700	8,767	1	800	1,497	24,000	1,262	76