

DRAINAGE OF AGRICULTURAL LANDS

Summary Table 12.—DRAINAGE PROJECTS BY TYPE OF

State	All drainage projects					Drains owned by one landowner ¹				
	1960 ²	1950 ³	1940 ³	1930 ³	1920 ³	1960 ²	1950 ³	1940 ³	1930 ³	1920 ³
All drainage States.....	number... 8,461	14,533	39,597	67,927	56,949	1,817	551	NA	NA	NA
	acres... 99,098,430	102,688,331	86,967,039	84,408,093	65,495,038	4,162,544	1,382,830	985,046	854,880	642,018
10 "county-drain" States.....	number... 1,397	457	34,596	62,391	52,962	79	(6)	NA	NA	NA
	acres... 51,909,639	52,033,141	47,094,801	47,720,374	43,213,765	90,943	(6)	101,226	70,223	NA
30 "drainage-district" States.....	number... 7,064	14,076	5,001	5,536	3,228	1,738	551	NA	NA	NA
	acres... 47,188,791	50,655,190	39,872,238	36,687,719	22,281,273	4,071,601	1,382,830	883,820	784,657	NA
17 irrigation States.....	number... 3,157	10,862	1,747	2,119	906	1,391	427	NA	NA	NA
	acres... 30,596,286	35,995,203	26,098,986	23,043,464	12,268,025	3,603,074	1,155,977	708,103	680,504	NA
Alabama.....	number... 11	10	1	...	...	1	...	...	...	...
	acres... 65,901	76,671	28,045	...	...	500	...	...	...	...
Arizona.....	number... ..	25	5	7	3	...	...	...	...	NA
	acres... ..	197,268	298,633	318,931	39,640	...	...	...	...	(7)
Arkansas.....	number... 598	844	250	316	174	167	15	NA	NA	NA
	acres... 5,765,338	4,701,095	4,592,738	4,631,155	3,479,591	236,104	67,790	84,358	40,660	26,900
California.....	number... 356	2,047	158	162	145	157	48	NA	NA	NA
	acres... 2,019,547	2,554,576	2,667,194	2,233,714	1,108,319	311,903	177,321	89,985	50,384	147,678
Colorado.....	number... 16	630	56	58	24	3	8	NA	NA	NA
	acres... 55,496	623,976	468,322	366,719	171,656	2,638	21,421	25,291	17,351	33,630
Delaware.....	number... 60	2	287	...	...	...	(6)	...	...	...
	acres... 341,522	352,547	395,014	...	...	...	(6)	...	...	...
Florida.....	number... 516	1,889	101	146	94	388	122	NA	NA	NA
	acres... 6,348,491	6,083,676	5,699,022	5,954,934	1,637,073	1,836,408	385,291	22,640	105,533	118,890
Georgia.....	number... 52	55	52	59	46	11	10	NA	NA	1
	acres... 101,854	96,259	84,374	84,255	65,452	12,847	9,569	3,700	9,000	110,000
Idaho.....	number... 33	379	50	50	13	5	4	NA	NA	NA
	acres... 110,982	436,171	659,136	375,464	64,642	4,074	3,210	2,492	1,850	560
Illinois.....	number... 1,496	1,433	1,695	1,919	1,365	39	16	NA	NA	NA
	acres... 5,883,070	5,370,825	5,091,364	5,032,682	3,909,049	78,673	27,449	30,822	15,722	17,542
Indiana.....	number... 292	79	8,893	18,339	12,004	18	(6)	NA	NA	NA
	acres... 11,267,848	11,017,709	10,121,952	10,214,014	9,087,183	22,765	(6)	1,000	15,726	5,623
Iowa.....	number... 249	86	3,180	3,730	2,883	10	(6)	NA	NA	NA
	acres... 7,063,570	6,734,863	6,164,344	6,137,649	5,224,478	11,428	(6)	53,786	21,557	12,795
Kansas.....	number... 103	121	88	88	54	5	...	NA	NA	NA
	acres... 377,983	356,988	258,113	257,169	93,856	3,660	...	7,754	5,550	2,200
Kentucky.....	number... 28	18	144	216	179	1	(6)	NA	NA	NA
	acres... 890,799	959,892	465,270	585,625	358,480	2,000	(6)	3,150	3,500	6,400
Louisiana.....	number... 915	922	495	741	111	526	199	NA	NA	NA
	acres... 8,457,799	12,161,665	4,219,624	3,655,483	2,266,328	810,903	344,239	412,303	402,496	36,463
Maryland.....	number... 138	93	126	...	...	...	...	...	...	...
	acres... 396,786	323,815	183,337	...	...	...	...	...	...	...
Michigan.....	number... 86	54	7,692	10,640	10,453	11	(6)	NA	NA	NA
	acres... 9,900,328	10,194,439	8,978,386	9,180,851	9,729,171	7,454	(6)	7,560	21,530	22,280
Minnesota.....	number... 307	82	2,498	2,885	2,340	25	(6)	NA	NA	NA
	acres... 11,045,146	11,269,962	10,990,409	11,474,683	9,232,709	34,930	(6)	35,730	1,800	800
Mississippi.....	number... 590	441	344	344	167	121	65	NA	NA	NA
	acres... 3,354,500	3,023,744	2,890,618	2,988,496	1,601,444	155,650	111,253	50,155	27,400	56,750
Missouri.....	number... 425	318	286	367	238	55	1	NA	NA	NA
	acres... 3,670,629	3,147,484	3,087,063	3,150,022	2,596,204	42,154	4,250	5,600	9,955	9,896
Montana.....	number... 20	404	34	27	17	1	2	NA	NA	NA
	acres... 60,112	289,189	372,661	167,629	168,682	640	3,260	7,000	8,100	13,650
Nebraska.....	number... 103	473	125	138	123	...	...	...	...	NA
	acres... 741,004	821,088	916,181	879,459	607,730	...	...	...	3,080	7,270
Nevada.....	number... 2	82	8	7	1	...	...	NA	NA	NA
	acres... 41,521	251,154	153,373	162,980	15,940	...	...	2,600	...	(7)
New Jersey.....	number... 9	5	...	...	...	...	...	...	...	...
	acres... 10,956	11,206	...	...	...	...	...	...	...	...
New Mexico.....	number... 5	223	7	11	8	1	...	...	...	NA
	acres... 31,593	244,961	305,885	176,292	140,219	600	...	...	...	(7)
New York.....	number... 19	14	...	...	...	2	5	...	...	...
	acres... 49,616	56,465	...	...	...	1,300	2,638	...	...	...
North Carolina.....	number... 564	413	246	130	104	39	4	NA	NA	NA
	acres... 1,417,032	1,128,509	825,576	679,236	542,828	65,426	16,342	58,700	17,370	59,851
North Dakota.....	number... 161	21	141	152	137	...	(6)	...	...	...
	acres... 1,732,183	1,572,220	1,376,041	1,094,142	1,240,328	...	(6)	...	...	...
Ohio.....	number... 142	63	11,530	26,191	24,871	3	(6)	...	...	NA
	acres... 8,873,857	8,923,362	7,729,267	8,165,494	8,107,204	2,424	(6)	...	...	7,736
Oklahoma.....	number... 31	18	29	33	5	11	(6)	...	...	NA
	acres... 133,796	300,884	197,646	170,158	12,150	9,942	(6)	...	4,110	(7)
Oregon.....	number... 110	1,087	63	51	1	6	2	...	...	NA
	acres... 314,221	418,858	348,825	211,182	4,000	25,690	700	...	4,500	(7)
South Carolina.....	number... 123	45	24	31	17	59	20	NA	NA	NA
	acres... 353,916	249,011	204,366	208,249	140,031	88,203	52,477	21,940	15,092	25,200
South Dakota.....	number... 41	34	202	205	90	...	(6)	...	...	...
	acres... 660,590	707,263	676,472	697,758	222,062	...	(6)	...	2,000	...
Tennessee.....	number... 179	151	155	191	95	8	2	NA	NA	...
	acres... 597,406	615,838	601,592	593,560	363,671	8,433	2,175	1,200	600	...
Texas.....	number... 243	543	81	87	54	130	22	NA	NA	NA
	acres... 5,938,974	5,794,786	4,218,850	2,883,356	2,166,128	369,079	147,345	40,380	28,600	7,500
Utah.....	number... 9	471	36	32	17	...	4	NA	NA	NA
	acres... 66,910	302,158	202,058	156,052	113,823	...	4,120	12,020	11,200	8,304
Virginia.....	number... 66	30	2	3	...	5	...	...	...	...
	acres... 101,976	45,460	15,714	15,042	...	7,286	...	...	3,304	...
Washington.....	number... 122	333	165	172	52	2	1	NA	NA	NA
	acres... 242,482	431,613	405,709	367,242	94,924	1,375	1,280	1,200	1,200	1,100
Wisconsin.....	number... 235	206	396	373	290	7	1	NA	NA	...
	acres... 588,863	514,700	761,203	892,713	794,569	8,055	700	3,600	5,710	...
Wyoming.....	number... 6	189	25	26	15	...	...	...	...	NA
	acres... 23,833	325,981	312,662	245,703	95,474	...	...	...	...	500

Italics indicate States identified in 1950 as "county-drain" States. The other States were designated "drainage-district" States. For the "county-drain" States in 1950 all projects in each county were enumerated as a unit; therefore, the counts shown for that year represent the number of county reports. For 1940, 1930, and 1920, each drain was counted as a separate project. See footnote 7 and text.

Boldface indicates States, other than "county-drain," for which the 1950 drainage data included drained lands in "irrigation enterprises." See footnote 4 and text.

NA Not available.

¹In 1940, 1930, and 1920, the classification by type of organization included drainage undertakings by two or more operators cooperating without organization under statute law with "individual ownership enterprises." One cooperative project of 10,000 acres in Georgia was identified in the text of the 1920 report.

²Land in two or more projects included in each project. Areas shown equal the sum of areas of individual projects with no deduction for land included in more than one project.

ORGANIZATION, BY STATES: CENSUSES OF 1920 TO 1960

Cooperative or mutual drains ¹		Legally organized public drains					Not identifiable under the 1960 classification								
							Irrigation enterprises with drainage ⁴				Other and not reported				
1960 ²	1950 ³	1960 ²	1950 ³	1940 ³	1930 ³	1920 ³	1950 ³	1940 ³	1930 ³	1920 ³	1940 ³	1930 ³	1920 ³		
2,469	893	4,175	4,013	NA	NA	NA	9,076	NA	NA	NA	NA	NA	NA	NA	
3,577,204	1,409,494	91,358,682	95,776,948	81,705,415	80,894,347	64,352,059	4,119,059	4,240,578	2,644,674	462,599	36,000	14,192	38,362	1	
739	(6)	579	6445	NA	NA	NA	12	NA	NA	NA	...	...	...	2
953,061	(6)	50,865,635	652,023,655	46,901,141	47,569,562	NA	9,486	92,434	80,589	NA	...	...	34,282	3
1,730	893	3,596	3,568	NA	NA	NA	9,064	NA	NA	NA	...	...	NA	4
2,624,143	1,409,494	40,493,047	43,753,293	34,804,274	33,324,785	NA	4,109,573	4,148,144	2,564,085	NA	36,000	14,192	4,080	5	
668	200	1,098	1,171	NA	NA	NA	9,064	NA	NA	NA	...	...	NA	6
1,213,864	455,058	25,779,348	30,274,595	21,242,739	19,784,683	NA	4,109,573	4,148,144	2,564,085	NA	...	14,192	...	7	
6	7	4	3	NA	...	...	...	...	...	...	...	...	...	8
33,745	40,735	31,656	35,936	28,045	...	...	...	...	...	...	...	...	...	9
...	...	...	2	NA	...	...	...	...	...	...	...	...	...	10
...	...	...	3,385	5,659	26,931	(7)	193,883	292,974	292,000	(7)	...	...	...	11
...	23	229	229	...	...	...	577	...	...	...	...	...	...	12
276,463	32,398	5,252,771	4,506,440	4,508,380	4,590,495	3,452,691	94,467	...	...	...	...	...	...	13
45	13	154	102	701	NA	NA	1,884	...	...	...	...	...	...	14
124,511	73,266	1,583,133	1,202,950	1,168,701	1,167,139	795,441	1,101,039	1,408,508	1,016,191	165,200	...	...	...	15
3	4	10	39	NA	NA	NA	579	NA	NA	...	...	...	...	16
5,610	27,190	47,248	255,753	255,709	250,238	138,026	319,612	187,322	99,130	...	...	...	...	17
1	(6)	59	62	NA	...	...	...	...	...	...	...	...	...	18
780	(6)	340,742	6352,547	395,014	...	...	...	...	...	...	...	...	...	19
36	13	92	103	NA	...	...	1,651	...	...	...	...	...	...	20
274,431	118,476	4,237,652	5,430,151	5,676,382	5,849,401	1,518,183	149,758	...	...	...	...	...	...	21
17	10	24	35	NA	...	...	...	...	...	...	...	...	...	22
24,325	17,205	64,682	69,485	80,674	75,255	55,452	...	...	...	...	...	...	...	23
3	3	25	37	NA	...	...	335	NA	NA	...	...	...	...	24
4,362	5,195	102,546	135,172	123,753	118,645	16,082	292,594	532,891	254,969	48,000	...	...	...	25
154	189	1,303	1,228	NA	...	...	...	...	...	...	...	...	...	26
228,762	302,121	5,575,635	5,041,255	5,060,542	5,016,960	3,891,507	...	...	...	...	...	...	...	27
188	(6)	86	679	NA	...	...	...	...	...	...	...	...	...	28
237,047	(6)	11,008,036	611,017,709	10,120,952	10,198,288	9,049,193	...	...	...	...	...	...	...	29
89	(6)	150	86	NA	...	...	...	...	...	...	...	...	...	30
125,657	(6)	6,926,485	6,734,863	6,110,588	6,116,092	5,211,683	...	...	...	...	...	...	...	31
14	...	84	84	NA	...	...	37	...	...	...	...	...	...	32
23,427	(6)	350,896	355,089	250,359	251,619	91,656	1,899	...	...	...	...	...	...	33
10	(6)	17	18	NA	...	...	...	...	...	...	...	...	...	34
8,660	(6)	880,139	6959,892	462,120	582,125	352,080	...	...	...	...	...	...	...	35
235	95	154	117	NA	...	...	511	NA	...	...	...	...	...	36
309,784	128,197	7,337,112	11,605,479	3,795,721	3,252,987	2,229,865	83,750	11,600	...	...	...	...	...	37
9	3	129	90	NA	...	...	...	...	...	...	...	...	...	38
14,183	4,333	382,603	319,482	183,337	...	...	...	...	...	...	...	...	...	39
21	(6)	54	654	NA	...	...	...	...	...	...	...	...	...	40
22,724	(6)	9,870,150	610,194,439	8,970,826	9,159,321	9,706,891	...	...	...	...	...	...	...	41
192	(6)	90	82	NA	...	...	...	...	...	...	...	...	...	42
248,293	(6)	10,761,923	611,269,962	10,954,679	11,472,883	9,231,909	...	...	...	...	...	...	...	43
230	127	239	249	NA	...	...	...	...	...	...	...	...	...	44
292,531	140,006	2,906,319	2,772,485	2,840,463	2,961,096	1,544,694	...	...	...	...	...	...	...	45
56	2	314	315	NA	...	...	...	...	...	...	...	...	...	46
57,739	5,290	3,570,736	3,137,944	3,081,463	3,140,067	2,586,308	...	...	...	...	...	...	...	47
6	3	13	22	NA	...	...	377	NA	NA	...	...	...	...	48
4,685	2,260	54,787	94,172	53,418	39,984	129,432	189,497	312,243	119,545	25,600	...	...	...	49
4	5	99	149	NA	...	...	319	NA	NA	...	...	...	...	50
6,940	3,970	734,064	713,821	721,986	696,994	591,772	103,297	194,195	179,385	8,688	...	...	...	51
...	1	2	4	NA	...	...	77	NA	NA	...	...	...	...	52
...	2,500	41,521	125,595	24,398	80,756	(7)	123,059	126,375	82,224	(7)	...	...	...	53
9	4	...	1	...	...	...	...	...	...	...	...	...	...	54
10,956	6,906	...	4,300	...	...	...	...	...	...	...	...	...	...	55
...	4	5	...	NA	...	...	218	NA	NA	...	...	...	...	56
...	...	30,993	52,113	172,796	59,837	(7)	192,848	133,089	116,455	(7)	...	...	...	57
13	5	4	4	...	...	...	...	...	...	...	...	...	...	58
20,071	25,582	28,245	28,245	...	...	...	...	...	...	...	...	...	...	59
403	287	122	122	NA	...	...	...	...	...	...	...	...	...	60
485,339	332,356	866,267	779,811	766,876	661,866	482,977	...	...	...	...	...	...	...	61
144	(6)	17	615	NA	...	...	6	NA	NA	...	...	...	...	62
200,630	(6)	1,531,553	61,565,055	1,356,113	1,088,053	1,240,328	7,165	19,928	6,089	...	...	...	...	63
76	(6)	63	63	NA	...	...	...	...	...	...	...	...	...	64
88,555	(6)	8,782,878	68,923,362	7,729,267	8,165,494	8,097,553	...	...	...	...	...	...	1,915	65
10	(6)	614	...	NA	...	...	4	...	...	...	...	...	...	66
9,656	(6)	114,198	7298,853	197,646	166,048	(7)	2,031	...	...	(7)	...	...	...	67
56	9	48	44	NA	...	...	1,032	NA	NA	...	...	...	...	68
87,807	16,507	200,724	161,286	139,580	121,778	(7)	240,365	209,245	71,112	(7)	...	13,792	...	69	
52	11	12	14	NA	...	...	...	...	...	...	...	...	...	70
97,212	28,540	168,501	167,994	182,426	193,157	114,831	...	...	...	...	...	...	...	71
8	(6)	33	632	NA	...	...	2	NA	NA	...	...	...	...	72
11,059	(6)	649,531	6706,973	603,966	621,258	222,062	290	72,506	74,500	...	...	...	...	73
37	20	134	129	NA	...	...	...	...	...	...	...	...	...	74
39,293	21,623	549,680	592,040	600,392	592,960	363,671	...	...	...	...	...	...	...	75
43	13	70	62	NA	...	...	446	NA	NA	...	...	...	...	76
74,170	18,155	5,495,725	5,155,647	3,844,378	2,767,477	2,102,628	473,639	334,092	87,279	56,000	...	...	...	77
1	7	8	25	NA	...	...	435	NA	...	...	...	...	...	78
1,300	16,070	65,610	130,003	148,677	144,852	105,519	151,965	41,361	...	...	...	...	...	79
59	28	2	2	NA	...	...	...	...	...	...	...	...	...	80
82,289	29,739	12,401	15,721	15,714	11,738	...	...	...	...	...	...	...	...	81
20	9	100	130	NA	...	...	393	NA	NA	...	...	...	...	82
20,374	8,205	220,733	263,423	264,039	275,642	93,824	158,705	140,390	90,000	...	...	400	...	83
17	...	211	205	NA	...	...	...	...	...	...	...	...	...	84
23,834	...	556,974	514,000	721,603	887,003	790,489	...	...	...	...	...	...	...	85
...	2	6	17	NA	...	...	170	NA	NA	...	...	...	...	86
...	2,669	23,833	84,116	88,803	89,908	60,834	239,196	223,859	155,795	34,140	...	...	...	87

¹Land in two or more projects included only once. For 1950 and 1940, land in two or more projects included only for the project last organized; whereas, for 1930 and 1920, land in two or more projects included for the project first organized. The 1940, 1930, and 1920 reports also show, for the classification by type of organization, totals representing the sum of the areas of individual projects without deduction for land included in more than one project. Number, for 1930 and 1920, refers to the number of reports and includes projects wholly superseded by later projects and, for intercounty projects, the reports for each county. See text.

⁴Irrigation enterprises include both private and public drainage projects. In 1950, "irrigation enterprises" were from Census of Irrigation and represented reports of drained irrigated lands with no indication as to whether the irrigation organization was responsible for the drainage; in 1940, 1930, and 1920, "irrigation enterprises" having their own drainage were enumerated in the Census of Drainage.

²Number as shown on page 368 of the 1920 report; the sum of the numbers reported for the separate States equals 56,190.

³Data for this and 4 other States not available individually but included in totals for all drainage States.

⁴In 1950, for "county-drain" States, all drainage projects in each county (other than "irrigation enterprises" from Census of Irrigation) were enumerated with county-drains and are therefore shown under "legally organized public drains."