

CENSUS OF DRAINAGE—UNITED STATES SUMMARY

TABLE 11.—DRAINAGE CONDITION, DEVELOPMENT, AND USE OF LAND IN ENTERPRISES, BY DATE OF ORGANIZATION, 1939

DATE OF ORGANIZATION	Land in all enterprises ¹	DRAINAGE CONDITION			DEVELOPMENT			USE OF LAND						
		Drained	Partly drained	Undrained	Improved land	Timber and cut-over land	Other unimproved land	In occupied farms		In planted crops	Idle	Land available for settlement		
	Acres	Acres	Per-cent	Acres	Acres	Acres	Per-cent	Acres	Acres	Acres	Per-cent	Acres	Acres	Acres
All enterprises..	86,967,039	75,004,277	86.2	4,828,819	7,133,943	67,389,440	77.5	11,042,630	8,534,969	70,098,469	80.6	49,613,573	18,836,290	4,569,205
Before 1870.....	171,349	149,984	87.5	10,891	10,474	132,471	77.3	33,741	5,137	152,631	89.1	97,322	44,799	4,800
1870-1879.....	427,759	403,898	94.4	13,554	10,307	373,450	87.3	35,197	19,112	406,019	94.9	288,335	54,001	2,086
1880-1889.....	2,429,435	2,267,023	93.3	97,647	64,765	2,173,456	89.5	146,062	109,917	2,330,857	95.9	1,864,772	245,807	7,882
1890-1899.....	3,742,588	3,500,309	93.5	144,045	98,234	3,255,998	87.0	383,194	103,396	3,406,298	91.0	2,481,638	382,281	20,016
1900-1904.....	5,769,509	5,413,792	93.8	223,522	132,195	5,133,782	89.0	452,894	182,833	5,378,404	93.2	3,613,555	681,562	23,575
1905-1909.....	12,191,576	11,081,282	90.9	548,057	562,237	10,340,430	84.8	1,054,964	796,182	10,820,713	87.1	7,652,179	1,881,503	416,383
1910-1914.....	19,573,521	14,137,852	72.2	1,238,360	4,197,309	12,281,391	62.7	3,168,872	4,123,258	12,727,452	65.0	9,006,298	6,695,981	1,404,267
1915-1919.....	18,012,061	16,282,045	90.3	814,971	935,045	14,057,404	78.1	2,589,708	1,354,949	14,580,103	80.9	10,268,103	3,868,862	1,241,830
1920-1924.....	11,272,180	10,028,192	89.0	617,909	626,079	8,848,443	78.5	1,680,122	743,615	9,133,841	81.0	6,480,293	2,687,125	762,204
1925-1929.....	7,410,814	6,823,838	92.1	351,326	235,840	6,187,942	83.5	736,562	486,710	6,418,764	86.6	4,510,953	1,160,607	321,089
1930-1934.....	2,092,568	1,974,374	94.4	87,735	60,459	1,787,467	85.4	205,599	99,502	1,846,884	88.2	1,326,402	222,361	14,833
1935-1939.....	3,873,679	2,961,688	76.4	710,792	201,199	2,807,606	72.5	555,715	510,358	3,066,503	79.2	1,823,723	911,380	350,210

¹Land included in more than 1 enterprise is tabulated only in the last organized.

TABLE 12.—COST OF OPERATION AND MAINTENANCE, BY TYPE OF DRAINAGE, 1939

TYPE OF DRAINAGE	Land in all enterprises	LAND REPORTING ON COST OF MAINTENANCE AND OPERATION			COST REPORTED		
		Total	Some cost	No cost	Total amount	Per acre on—	
						Total reporting	Area incurring
Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars	
All enterprises.....	86,967,039	86,160,078	31,666,182	54,493,896	5,996,672	0.07	0.19
Gravity drainage only.....	82,599,944	81,863,305	27,833,859	54,029,446	3,701,079	0.04	0.13
Open ditches only.....	56,442,219	55,826,308	16,322,616	39,503,692	1,825,838	0.03	0.11
Open ditches and levees.....	6,813,362	6,801,815	5,398,825	1,402,990	1,097,708	0.16	0.20
Tile drains only.....	7,061,711	7,004,344	1,514,411	5,489,933	161,175	0.02	0.11
Tile drains and levees.....	14,002	14,002	4,275	9,727	582	0.04	0.14
Open ditches and tile drains.....	12,082,137	12,030,848	4,453,133	7,577,715	576,098	0.05	0.13
Open ditches, tile drains, and levees.....	186,513	185,968	140,599	45,369	39,878	0.21	0.28
Pumping for all or part of drainage.....	4,367,095	4,296,773	3,832,323	464,450	2,295,593	0.53	0.60
All drainage by pumping.....	1,510,929	1,491,398	1,349,864	141,534	1,550,417	1.04	1.15
Part pumping and part gravity.....	2,856,166	2,805,375	2,482,459	322,916	745,176	0.26	0.30

TABLE 13.—LAND AND CAPITAL INVESTED, BY METHOD OF MAINTENANCE AND BY WHETHER MAINTENANCE IS SYSTEMATIC, JAN. 1, 1940

MAINTENANCE	Land		Capital invested	
	Acres	Percent	Dollars	Percent
All enterprises.....	86,967,039	100.0	691,724,519	100.0
Method:				
By district forces.....	30,413,184	35.0	289,547,364	41.9
By contract.....	30,715,178	35.3	230,497,356	33.3
Work apportioned to landowners.....	9,022,968	10.4	59,551,296	8.6
"None," or not reporting.....	16,815,711	19.3	112,128,503	16.2
Whether systematic:				
Reporting "yes".....	39,068,195	44.9	391,591,464	56.6
Reporting "no".....	47,241,528	54.3	295,304,902	42.7
Not reporting.....	657,316	0.8	4,828,153	0.7

TABLE 14.—LAND, CAPITAL INVESTED, AND DRAINAGE WORKS, BY OWNERSHIP OF POWER EQUIPMENT FOR MAINTENANCE, 1940

ITEM	All enterprises	ENTERPRISES OWNING POWER EQUIPMENT	
		Amount	Percent
Land in enterprises.....acres....	86,967,039	10,119,394	11.6
Capital invested.....dollars..	691,724,519	133,656,336	19.3
Drainage works:			
Open ditches.....miles....	146,152.3	16,856.1	11.4
Tile drains.....miles....	55,734.0	2,374.8	4.3
Levees.....miles....	6,792.9	1,910.7	28.1