

## CENSUS OF DRAINAGE—UNITED STATES SUMMARY

TABLE 25.—LAND IN ENTERPRISES, CAPITAL INVESTED, AND COST PER ACRE, BY TYPE OF DRAINAGE, BY DIVISIONS AND STATES, 1940

DIVISION AND STATE	ALL TYPES				GRAVITY DRAINAGE ONLY							
	Land		Capital invested	Cost per acre	Open ditches <sup>1</sup>				Tile drains <sup>1</sup>			
	Acres	Percent	Dollars	Dollars	Acres	Percent	Dollars	Dollars	Acres	Percent	Dollars	Dollars
1 Total (38 States) ..	86,967,039	100.0	691,724,519	7.95	63,255,581	100.0	373,435,534	5.90	7,075,713	100.0	77,997,787	11.02
GEOGRAPHIC DIVISIONS:												
2 East North Central...	32,682,172	37.6	199,989,982	6.12	21,866,558	34.5	98,209,596	4.49	3,989,615	56.4	35,033,565	8.78
3 West North Central...	23,468,623	27.0	210,066,013	8.95	15,682,713	24.8	105,809,581	6.75	3,014,578	42.6	40,681,716	13.49
4 South Atlantic <sup>2</sup> .....	7,435,448	8.5	53,240,835	7.16	7,154,355	11.3	46,316,161	6.47	.....	.....	.....	.....
5 East South Central <sup>2</sup> ..	3,957,480	4.6	34,709,421	8.77	<sup>3</sup> 3,938,548	6.2	<sup>3</sup> 34,619,983	8.79	.....	.....	.....	.....
6 West South Central...	13,228,858	15.2	78,831,043	5.96	12,775,384	20.2	68,006,636	5.32	.....	.....	.....	.....
7 Mountain.....	2,772,730	3.2	33,928,327	12.24	<sup>3</sup> 1,035,691	1.6	<sup>3</sup> 11,500,872	11.10	47,048	0.7	1,873,969	33.45
8 Pacific.....	3,421,728	3.9	80,958,898	23.66	858,578	1.4	9,419,990	10.97	24,472	0.3	708,537	28.95
EAST NORTH CENTRAL:												
9 Ohio.....	7,729,267	8.9	35,215,586	4.56	4,775,969	7.6	17,854,490	3.74	1,337,364	18.9	10,762,233	8.05
10 Indiana.....	10,121,952	11.6	47,640,385	4.70	6,668,905	10.5	25,559,874	3.83	1,405,700	19.9	11,465,952	8.16
11 Illinois.....	5,091,364	5.9	72,567,174	14.25	2,243,748	3.5	23,068,081	10.28	723,590	10.2	6,740,652	9.32
12 Michigan.....	8,978,386	10.3	40,412,251	4.50	7,624,901	12.0	29,213,061	3.83	503,806	7.1	5,780,401	11.47
13 Wisconsin.....	761,203	0.9	4,254,586	5.59	553,135	0.9	2,514,080	4.54	19,155	0.3	284,327	14.84
WEST NORTH CENTRAL:												
14 Minnesota.....	10,980,409	12.6	65,576,077	5.97	8,241,081	13.0	28,178,608	3.42	919,508	13.0	11,799,417	12.83
15 Iowa.....	6,164,344	7.1	75,374,497	12.23	1,660,884	2.6	16,515,381	9.94	2,000,256	28.3	27,646,097	13.82
16 Missouri.....	3,087,063	3.5	49,050,414	15.89	2,897,111	4.6	45,564,108	15.73	8,309	0.1	127,000	15.28
17 North Dakota.....	1,376,041	1.6	3,673,336	2.67	1,365,721	2.2	3,623,013	2.65	9,040	0.1	48,250	5.34
18 South Dakota.....	676,472	0.8	5,078,771	7.51	485,392	0.8	2,808,786	5.79	77,465	1.1	1,060,952	13.70
19 Nebraska.....	916,181	1.1	7,578,989	8.27	785,411	1.2	6,447,266	8.21	.....	.....	.....	.....
20 Kansas.....	258,113	0.3	3,733,919	14.47	247,113	0.4	2,672,419	10.81	.....	.....	.....	.....
SOUTH ATLANTIC: <sup>2</sup>												
21 Delaware.....	395,014	0.4	454,883	1.15	395,014	0.6	454,883	1.15	.....	.....	.....	.....
22 Maryland.....	183,337	0.2	43,914	0.24	183,337	0.3	43,914	0.24	.....	.....	.....	.....
23 Virginia <sup>2</sup> .....	43,759	0.1	611,300	13.97	43,759	0.1	611,300	13.97	.....	.....	.....	.....
24 North Carolina.....	825,576	0.9	5,467,906	6.62	825,576	1.3	5,467,906	6.62	.....	.....	.....	.....
25 South Carolina.....	204,366	0.2	1,241,300	6.07	204,366	0.3	1,241,300	6.07	.....	.....	.....	.....
26 Georgia.....	84,374	0.1	2,064,840	24.47	83,674	0.1	1,964,840	23.48	.....	.....	.....	.....
27 Florida.....	5,689,022	6.6	43,356,692	7.61	5,418,629	8.6	36,532,018	6.74	.....	.....	.....	.....
EAST SOUTH CENTRAL: <sup>2</sup>												
28 Kentucky.....	465,270	0.6	4,947,994	10.63	464,650	0.7	4,932,586	10.62	.....	.....	.....	.....
29 Tennessee.....	601,592	0.7	6,501,750	10.81	601,592	1.0	6,501,750	10.81	.....	.....	.....	.....
30 Mississippi.....	2,890,618	3.3	23,259,677	8.05	<sup>3</sup> 2,872,306	4.5	<sup>3</sup> 23,185,647	8.07	.....	.....	.....	.....
WEST SOUTH CENTRAL:												
31 Arkansas.....	4,582,738	5.3	39,450,754	8.59	4,595,561	7.2	38,646,554	8.52	.....	.....	.....	.....
32 Louisiana.....	4,219,624	4.9	23,361,758	5.54	4,074,308	6.4	16,648,255	4.09	.....	.....	.....	.....
33 Oklahoma.....	197,646	0.2	1,971,350	9.97	197,646	0.3	1,971,350	9.97	.....	.....	.....	.....
34 Texas.....	4,218,850	4.8	14,047,181	3.33	3,967,869	6.3	10,740,477	2.71	.....	.....	.....	.....
MOUNTAIN:												
35 Montana.....	372,661	0.4	2,827,839	7.59	150,568	0.2	1,727,397	11.47	5,016	0.1	370,000	73.76
36 Idaho.....	659,136	0.8	7,587,032	11.48	200,582	0.3	2,139,245	10.66	229	( <sup>4</sup> )	18,582	81.14
37 Wyoming.....	312,662	0.4	5,594,856	17.89	<sup>3</sup> 179,131	0.3	<sup>3</sup> 1,401,517	7.82	2,165	( <sup>4</sup> )	125,673	58.05
38 Colorado.....	468,322	0.5	4,890,317	10.44	171,156	0.3	1,745,400	10.20	9,845	0.1	230,912	23.45
39 New Mexico.....	305,885	0.4	5,722,121	18.71	193,084	0.3	3,752,393	19.43	4,443	0.1	158,477	35.67
40 Arizona.....	298,633	0.3	1,119,242	3.75	2,274	( <sup>4</sup> )	95,500	42.00	.....	.....	.....	.....
41 Utah.....	202,058	0.2	4,869,273	24.10	62,797	0.1	350,934	5.59	25,360	0.4	670,325	26.44
42 Nevada.....	153,373	0.2	1,337,647	8.72	76,089	0.1	288,186	3.79	.....	.....	.....	.....
PACIFIC:												
43 Washington.....	405,709	0.5	5,332,842	13.14	296,405	0.5	2,569,717	8.67	14,868	0.2	433,676	29.17
44 Oregon.....	348,825	0.4	5,482,012	15.72	96,868	0.2	873,135	9.01	.....	.....	.....	.....
45 California.....	2,667,194	3.0	70,144,044	26.30	465,305	0.7	5,977,138	12.84	9,604	0.1	274,861	28.62

<sup>1</sup>Each item includes those enterprises that have provided levees in addition to the kind of drain specified.

<sup>2</sup>Data for 2 enterprises in Alabama combined with those for 2 enterprises in Virginia and shown in the South Atlantic Division.

<sup>3</sup>Pumping enterprises tabulated with gravity enterprises for States indicated.

<sup>4</sup>Less than one-tenth of 1 percent.

# CENSUS OF DRAINAGE—UNITED STATES SUMMARY

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TABLE 25.—LAND IN ENTERPRISES, CAPITAL INVESTED, AND COST PER ACRE, BY TYPE OF DRAINAGE, BY DIVISIONS AND STATES, 1940—Continued

DIVISION AND STATE	GRAVITY DRAINAGE ONLY—Continued				DRAINAGE BY PUMPING							
	Open ditches and tile drains <sup>1</sup>				All by pumping				Part gravity and part pumping			
	Land		Capital invested	Cost per acre	Land		Capital invested	Cost per acre	Land		Capital invested	Cost per acre
	Acres	Percent	Dollars	Dollars	Acres	Percent	Dollars	Dollars	Acres	Percent	Dollars	Dollars
1 Total (38 States)...	12,268,650	100.0	117,246,453	9.56	1,510,929	100.0	80,737,923	53.44	2,856,166	100.0	42,306,822	14.81
GEOGRAPHIC DIVISIONS:												
2 East North Central...	<sup>2</sup> 6,411,647	52.3	<sup>2</sup> 40,277,601	6.28	330,211	21.9	23,352,261	70.72	<sup>2</sup> 84,141	3.0	<sup>2</sup> 3,116,959	37.04
3 West North Central...	4,568,646	37.2	58,170,246	12.73	127,184	8.4	2,993,732	23.54	75,502	2.6	2,410,738	31.93
4 South Atlantic <sup>3</sup> ...	.....	.....	.....	.....	115,400	7.6	3,103,882	26.90	165,693	5.8	3,820,792	23.06
5 East South Central <sup>3</sup> ...	18,932	0.2	89,438	4.72	.....	.....	.....	.....	( <sup>2</sup> )	.....	( <sup>2</sup> )	.....
6 West South Central...	127,200	1.0	1,279,841	10.06	119,016	7.9	6,573,503	55.23	207,258	7.3	2,971,063	14.34
7 Mountain...	923,335	7.5	14,622,457	15.94	83,846	5.6	2,628,795	31.35	<sup>2</sup> 682,810	23.9	<sup>2</sup> 3,602,534	5.28
8 Pacific	222,690	1.8	2,906,870	13.05	731,512	48.4	42,013,750	57.43	1,584,476	55.5	25,909,751	16.35
EAST NORTH CENTRAL:												
9 Ohio	1,615,934	13.2	6,599,863	4.08	.....	.....	.....	.....	.....	.....	.....	.....
10 Indiana	2,031,326	16.6	10,317,787	5.08	3,912	0.3	116,134	29.69	12,109	0.4	80,638	6.66
11 Illinois	1,726,495	14.1	16,496,734	9.56	325,499	21.5	23,225,386	71.35	72,032	2.6	3,036,321	42.15
12 Michigan	848,979	6.9	5,408,048	6.37	800	0.1	10,741	13.43	.....	.....	.....	.....
13 Wisconsin	<sup>2</sup> 188,913	1.5	<sup>2</sup> 1,456,169	7.71	.....	.....	.....	.....	( <sup>2</sup> )	.....	( <sup>2</sup> )	.....
WEST NORTH CENTRAL:												
14 Minnesota	1,828,505	14.9	25,504,934	13.95	1,315	0.1	93,118	70.81	.....	.....	.....	.....
15 Iowa	2,415,588	19.7	29,446,138	12.19	72,422	4.8	1,127,614	15.57	15,194	0.5	639,267	42.07
16 Missouri	110,006	0.9	1,058,306	9.62	53,447	3.5	1,773,000	33.17	18,190	0.6	528,000	29.03
17 North Dakota	1,280	( <sup>4</sup> )	2,073	1.62	.....	.....	.....	.....	.....	.....	.....	.....
18 South Dakota	113,615	0.9	1,209,033	10.64	.....	.....	.....	.....	.....	.....	.....	.....
19 Nebraska	98,632	0.8	938,262	9.51	.....	.....	.....	.....	32,138	1.1	193,471	6.02
20 Kansas	1,020	( <sup>4</sup> )	11,500	11.27	.....	.....	.....	.....	9,960	0.4	1,050,000	105.21
SOUTH ATLANTIC: <sup>3</sup>												
21 Delaware	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22 Maryland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23 Virginia <sup>3</sup>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24 North Carolina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 South Carolina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26 Georgia	.....	.....	.....	.....	.....	.....	.....	.....	700	( <sup>4</sup> )	100,000	142.86
27 Florida	.....	.....	.....	.....	115,400	7.6	3,103,882	26.90	164,993	5.8	3,720,792	22.55
EAST SOUTH CENTRAL: <sup>3</sup>												
28 Kentucky	620	( <sup>4</sup> )	15,408	24.85	.....	.....	.....	.....	.....	.....	.....	.....
29 Tennessee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30 Mississippi	18,312	0.2	74,030	4.04	.....	.....	.....	.....	( <sup>2</sup> )	.....	( <sup>2</sup> )	.....
WEST SOUTH CENTRAL:												
31 Arkansas	9,480	0.1	252,200	26.60	.....	.....	.....	.....	47,697	1.7	552,000	11.57
32 Louisiana	.....	.....	.....	.....	119,016	7.9	6,573,503	55.23	26,300	0.9	140,000	5.32
33 Oklahoma	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34 Texas	117,720	0.9	1,027,641	8.73	.....	.....	.....	.....	133,261	4.7	2,279,063	17.10
MOUNTAIN:												
35 Montana	217,077	1.8	730,442	3.36	.....	.....	.....	.....	.....	.....	.....	.....
36 Idaho	71,944	0.6	1,241,800	17.25	31,468	2.1	1,906,053	60.57	354,903	12.4	2,261,352	6.37
37 Wyoming	131,366	1.1	4,087,666	30.96	.....	.....	.....	.....	( <sup>2</sup> )	.....	( <sup>2</sup> )	.....
38 Colorado	277,294	2.2	2,853,284	10.29	.....	.....	.....	.....	10,027	0.4	60,721	6.06
39 New Mexico	106,358	0.9	1,811,251	16.72	.....	.....	.....	.....	.....	.....	.....	.....
40 Arizona	3,385	( <sup>4</sup> )	70,000	20.68	52,378	3.5	722,742	13.80	240,596	8.4	231,000	0.96
41 Utah	113,811	0.9	3,848,014	33.78	.....	.....	.....	.....	.....	.....	.....	.....
42 Nevada	.....	.....	.....	.....	.....	.....	.....	.....	77,284	2.7	1,049,461	13.58
PACIFIC:												
43 Washington	59,826	0.5	1,227,759	20.49	18,920	1.2	636,876	33.66	15,690	0.6	464,814	29.81
44 Oregon	106,193	0.9	414,773	3.90	39,468	2.6	2,427,291	61.50	106,296	3.7	1,766,813	16.62
45 California	56,571	0.4	1,264,338	22.35	673,124	44.6	38,949,583	57.86	1,462,590	51.2	23,678,124	16.19

<sup>1</sup> Each item includes those enterprises that have provided levees in addition to the kind of drain specified.  
<sup>2</sup> Pumping enterprises tabulated with gravity enterprises for States indicated.  
<sup>3</sup> Data for 2 enterprises in Alabama combined with those for 2 enterprises in Virginia and shown in the South Atlantic Division.  
<sup>4</sup> Less than one-tenth of 1 percent.