

SUMMARY

Summary Table 1.—DRAINAGE PROJECTS—NUMBER, AREA, COST, AND WORKS: CENSUSES OF 1920 TO 1960

Item	1960 Census (39 States)	1950 Census (40 States)	1940 Census (38 States)	1930 Census (35 States)	1920 Census (34 States)
AREA					
Approximate land area.....acres...	1,744,413,440	1,819,123,840	1,785,136,000	1,743,699,840	1,717,932,160
Land in farms.....acres...	1,052,713,726	1,123,690,602	1,004,930,884	905,805,407	844,904,236
Drainage projects.....number	8,461	14,533	139,597	167,927	156,949
Total area in drainage projects.....acres served...	101,870,257	102,688,331	86,967,039	84,408,093	65,495,038
Area not used for agriculture or not drained.....acres served...	9,573,393	NA	NA	NA	NA
Net area drained and used for agriculture.....acres served...	92,296,864	NA	270,068,469	268,640,109	NA
Drainage established 10 years or more before Census date.....acres served...	86,960,271	NA	NA	NA	NA
Drainage established within 10 years of Census date.....acres served...	5,336,593	NA	NA	NA	NA
Area served by two or more projects.....acres served...	6,276,437	3,962,516	45,861,412	44,086,985	30,134,253
Total of areas of individual projects ³.....acres served...	99,098,430	106,650,847	132,828,451	128,495,078	95,629,291
PROJECTS BY SIZE					
Under 500 acres.....number of projects...	...	8,289	41,690	31,056	22,205
.....acres served...	...	606,031	9,065,810	7,348,844	6,374,640
500 to 999 acres.....number of projects...	2,847	1,593	15,855	15,765	10,712
.....acres served...	1,950,621	1,103,139	11,234,727	11,130,096	9,091,516
1,000 to 4,999 acres.....number of projects...	3,669	2,757	17,213	16,767	11,757
.....acres served...	7,764,699	6,201,930	35,069,097	34,074,009	29,522,536
1,000 to 1,999 acres.....number of projects...	2,081	1,412	10,467	...	...
.....acres served...	2,881,301	1,983,206	14,558,019	...	...
2,000 to 4,999 acres.....number of projects...	1,588	1,345	6,746	...	...
.....acres served...	4,883,398	4,218,724	20,511,078	...	...
5,000 to 9,999 acres.....number of projects...	728	679	2,357	2,291	1,472
.....acres served...	5,081,845	4,754,671	16,387,515	15,865,002	13,357,936
10,000 to 49,999 acres.....number of projects...	819	818	1,884	1,814	1,107
.....acres served...	16,758,378	17,098,296	36,721,074	35,075,951	23,826,149
10,000 to 19,999 acres.....number of projects...	499	484	1,228	...	...
.....acres served...	6,963,107	6,781,099	16,964,180	...	...
20,000 to 49,999 acres.....number of projects...	320	334	656	...	...
.....acres served...	9,795,271	10,317,197	19,756,894	...	...
50,000 to 99,999 acres.....number of projects...	152	145	159	168	115
.....acres served...	10,630,513	10,254,850	10,760,472	11,403,982	8,605,536
100,000 or more acres.....number of projects...	246	252	62	66	31
.....acres served...	56,912,374	66,631,930	13,589,756	13,597,194	4,850,978
PROJECTS BY TYPE OF ORGANIZATION					
Drains owned by one landowner.....number of projects...	1,817	4,551	NA	NA	NA
.....acres served ⁴ ...	4,162,544	41,382,830	6985,046	6854,880	6642,018
Cooperative or mutual drains.....number of projects...	2,469	4,893	(7)	(7)	(7)
.....acres served ⁴ ...	3,577,204	41,409,494	(7)	(7)	(7)
Legally organized public drains.....number of projects...	4,175	4,013	NA	NA	NA
.....acres served ⁴ ...	91,358,682	495,776,948	681,705,415	680,894,347	664,352,059
PROJECTS BY YEAR STARTED					
Started 10 years or more before Census date.....number of projects...	5,958	83,749	NA	NA	NA
.....acres served ⁵ ...	92,839,578	832,193,879	81,000,792	73,691,488	936,545,774
Started within 10 years of Census date.....number of projects...	2,503	81,263	NA	NA	NA
.....acres served ⁵ ...	6,258,852	814,351,738	5,966,247	10,716,605	928,719,717
DRAINAGE OPERATIONS, 10-YEAR PERIOD PRECEDING CENSUS DATE					
Cost of drainage works and services.....projects reporting...	6,137	43,810	NA	NA	NA
.....dollars...	416,875,865	179,033,770	NA	NA	NA
New drainage works constructed, enlarged, or installed.....projects reporting...	3,606	101,128	NA	NA	NA
.....cost, dollars...	185,688,673	1023,872,422	NA	NA	NA
Open ditches.....projects reporting...	3,333	1,200	NA	NA	NA
.....length, miles...	33,543.5	9,301	NA	NA	NA
Tile or covered drains.....projects reporting...	427	146	NA	NA	NA
.....length, miles...	2,192.1	581	NA	NA	NA
Levees or dikes.....projects reporting...	322	152	NA	NA	NA
.....length, miles...	2,016.9	1,020	NA	NA	NA
Pumps.....projects reporting...	357	NA	NA	NA	NA
.....number of pumps...	957	NA	NA	NA	NA
Other (see text).....projects reporting...	264	NA	NA	NA	NA
Cost of maintenance, operation, repair, and administration.....projects reporting...	4,042	NA	NA	NA	NA
.....dollars...	231,187,192	155,161,348	NA	NA	NA
STATUS ON CENSUS DATE					
Capital investment.....dollars...	NA	NA	691,724,519	680,250,255	372,273,567
Physical works:					
Open ditches.....length, miles...	NA	NA	146,152.3	138,673.0	107,468.2
Tile drains.....length, miles...	NA	NA	55,734.0	55,031.9	42,311.7
Levees and dikes.....length, miles...	NA	NA	6,792.9	6,539.5	3,509.8
Pumping units.....projects reporting...	NA	8369	353	292	210
.....number of units...	NA	81,146	1,284	1,028	453

NA Not available.

¹For 1950, the number includes irrigation enterprises reporting drained land in the Census of Irrigation; for the 10 "county-drain" States, all drainage projects in each county were enumerated as a unit. In 1940 and earlier, each drain was counted a separate project. For 1930 and 1920, the count represents the number of reports and includes projects wholly superseded by later projects and, for intercounty projects, the separate reports for each county. See Summary Table 6 and text. See Summary Table 11 for explanation of counts by size of project.

²Not fully comparable. See Summary Table 7 and text.

³Total of acres of individual projects with no deduction for land included in more than one project; for 1960, extensive contiguous areas not used for agriculture or not drained (line 5) were excluded. See Summary Table 7 and text.

⁴For 1950, figures exclude 9,076 projects and 4,119,059 acres in "irrigation enterprises"; for the 10 "county-drain" States, all drainage projects in each county (other than "irrigation enterprises" from Census of Irrigation) were included with county drains. See text.

⁵For 1960, sum of areas of individual projects (see footnote 3); for 1920 to 1950, land in two or more projects included only once; for 1950 and 1940, land in two or more projects was included only for the project last organized; for 1930 and 1920, for the project first organized.

⁶For 1940, figures exclude 4,240,578 acres in "irrigation enterprises" and 36,000 acres not identified by type; for 1930, figures exclude 2,644,674 acres in "irrigation enterprises" and 14,192 acres not identified by type; for 1920, figures exclude 462,599 acres in "irrigation enterprises" and 38,362 acres not identified by type. See Summary Table 12 and text.

⁷In 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. See Summary Table 12 and text.

⁸For 30 States only, exclusive of 9,064 projects and 4,109,573 acres in "irrigation enterprises"; year began and pumping units not reported for the 10 "county-drain" States. See Summary Tables 10 and 13 and text.

⁹Revised to equal sum of figures shown in 1920 by States; 1920 figures exclude 229,547 acres for which date of organization was not reported. See Summary Table 13.

¹⁰Cost of new works for lands not previously drained.