

LANDS AND IRRIGATION.

No. 13.— LAND AREAS PATENTED: BY STATES, YEAR ENDED JUNE 30, 1916.

[Source: General Land Office, Department of the Interior.]

State.	Acres.	State.	Acres.	State.	Acres.
Alabama	51,005.31	Kansas	51,532.29	North Dakota	403,380.40
Alaska	7,867.07	Idaho	31,331.52	Ohio	955.20
Arizona	1,167,945.83	Maine	8,957.78	Oklahoma	59,700.27
Arkansas	55,003.53	Massachusetts	292,330.12	Oregon	374,725.29
California	336,656.33	Michigan	33,826.01	South Dakota	418,051.91
Colorado	1,063,748.18	Minnesota	9,110.52	Utah	242,511.07
Florida	108,861.52	Mississippi	2,815,378.52	Washington	366,108.84
Idaho	1,020,063.14	Nebraska	1,091,754.06	Wisconsin	13,039.75
Illinois	705.76	Montana	200,670.96	Wyoming	423,414.78
Indiana	2,660.00		1,386,692.01		
Iowa	238.72		13,573.44	Total	12,161,807.75

NO. 14.—IRRIGATION: APPROVED PROJECTS COMMENCED, AREA TO BE RECLAIMED, WITH ESTIMATED COST OF COMPLETED PROJECTS, AND PERCENTAGE OF COMPLETION, TO JUNE 30, 1917, BY UNITED STATES RECLAMATION SERVICE.

[Source: The United States Reclamation Service, Department of the Interior. Complete statistics related to lands served by works controlled by the United States Reclamation Service are available only for census years. In 1909 the acreage so served was 1,600,000 acres, and the amount of water conserved was 857,000 acre-feet. In 1929 the acreage so served was 1,600,000 acres, and the amount of water conserved was 857,000 acre-feet.]

		Estimates to June 30, 1917.		
Location.	Project.	Area.	Estimated cost of completed project.	Per cent of completion. ¹
		<i>Acres.</i>	<i>Dollars.</i>	
Arizona.....	Salt River.....	191,648	11,952,700	100
Arizona-California.....	Yuma.....	127,427	13,180,409	60
California.....	Orland.....	20,300	888,800	68
Colorado.....	Grand Valley.....	53,000	4,595,000	70
	Uncompahgre Valley.....	140,000	0,409,000	05
	Boise.....	255,000	12,800,000	75
Idaho.....	Minnesota.....	120,300	5,921,000	99
	Jackson Lake enlargement.....		800,000	100
Kansas.....	Garden City.....	10,677	277,136	98
	Blackfoot (Indian) ²	122,500	3,500,000	30
	Flathead (Indian) ²	152,000	6,790,000	30
Montana.....	Fort Peck (Indian) ²	152,000	5,220,000	10
		32,905	1,755,348	95
		220,000	8,652,748	70
		174,022	8,250,000	60
Montana-North Dakota.....	Lower Yellowstone.....	69,116	3,332,751	20
Nebbraska-Wyoming.....	North Platte.....	229,856	12,039,236	60
Nevada.....	Truckee-Carson.....	206,000	9,436,000	64
New Mexico.....	Carlsbad.....	24,796	1,404,000	80
	Alamo.....	10,000	339,361	100
New Mexico-Texas.....	Rio Grande ³	155,000	11,708,700	62
North Dakota.....	North Dakota pumping.....	26,273	1,149,880	50
Oklahoma.....	Lawton.....	2,500	160,000	(*)
Oregon.....	Umatilla.....	36,900	2,841,324	80
Oregon-California.....	Klamath.....	142,796	4,564,000	95
South Dakota.....	Big Horn.....	97,916	3,032,781	60
Utah.....	San Juan Valley.....	50,000	3,650,000	82
	Okanogan.....	10,099	840,000	100
Washington.....	Yakima.....		7,354,700	40
			3,473,804	90
			3,160,271	98
Wyoming.....	Shoshone.....	147,365	0,934,000	50
Total.....		3,115,624	174,844,429	

¹ The percentages noted in this column represent the ratio which costs of construction to date bear to estimated cost of completed projects. Per cents reduced in some cases, due to changes in size of project.

² 25,000 acres additional in Mexico.

² 25,000 acres additional in Mexico.

* Preliminary.

LANDS AND IRRIGATION.

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No. 13.—LAND AREAS PATENTED: BY STATES, YEAR ENDED JUNE 30, 1917.
 [Source: General Land Office, Department of the Interior.]

State.	Acres.	State.	Acres.	State.	Acres.
Alabama.....	22,452.420	Iowa.....	280.630	North Dakota.....	392,693.451
Alaska.....	7,901.232	Kansas.....	43,628.780	Ohio.....	478.450
Arizona.....	672,922.143	Louisiana.....	11,866.870	Oklahoma.....	59,850.719
Arkansas.....	81,334.830	Michigan.....	9,423.101	Oregon.....	387,910.515
California.....	311,528.630	Minnesota.....	286,782.855	South Dakota.....	704,457.065
Colorado.....	1,073,647.741	Mississippi.....	18,590.610	Utah.....	198,569.673
District of Columbia.....	105	Missouri.....	6,776.575	Washington.....	528,393.106
Florida.....	64,906.745	Montana.....	3,817,933.949	Wisconsin.....	10,640.630
Idaho.....	593,329.047	Nebraska.....	701,780.340	Wyoming.....	450,733.012
Illinois.....	80,060	Nevada.....	47,677.250		
Indiana.....	267.730	New Mexico.....	653,724.093	Total.....	11,313,362.242

No. 14.—IRRIGATION.* APPROVED PROJECTS COMMENCED, ESTIMATED AREA ON COMPLETION, WITH ESTIMATED GROSS AND NET COSTS OF COMPLETED PROJECTS AND REVENUES DURING CONSTRUCTION, AND PERCENTAGE OF COMPLETION, TO JUNE 30, 1917, BY STATES AND PROJECTS.

		Report to June 30, 1917.			
State.	Project.	Esti- mated area on com- pletion.	Construction cost.		
			Gross cost.	Re- venues during con- struction.	Net cost.
		Acres.	Dollars.	Dollars.	Dollars.
Arizona.....	Salt River.....	219,691	14,440,874	3,273,255	11,167,619
Arizona-California.....	Yuma.....	127,427	9,061,466	415,398	8,646,068
California.....	Orland.....	20,533	1,011,345	130,290	881,145
	Grand Valley.....	53,000	3,083,003	20,167	3,062,836
Colorado.....	Uncompahgre Valley.....	100,000	6,794,158	508,602	6,285,556
	Boise.....	277,366	12,487,390	799,321	11,687,069
Idaho.....	King Hill.....	16,000	4,183		4,183
	Minidoka.....	120,800	5,786,028	75,281	5,710,747
Idaho-Wyoming.....	Jackson Lake enlargement.....		758,750	3,892	762,643
Kansas.....	Garden City.....	10,677	385,467	10,150	375,317
	Huntley.....	32,986	1,593,001	12,481	1,580,517
	Milk River.....	220,000	5,221,197	81,562	5,139,635
Montana.....	Sun River.....	173,945	3,259,587	56,393	3,203,194
	Blackfeet.....	122,500	1,002,378	29,029	973,349
	Flathead.....	162,000	2,561,551	67,392	2,494,159
	Fort Peck.....	132,000	546,501	10,130	536,371
Montana-North Dakota.....	Lower Yellowstone.....	60,116	2,898,268	67,284	2,830,984
Nebraska-Wyoming.....	North Platte.....	229,891	8,069,893	74,158	7,995,735
Nevada.....	Truckee-Carson.....	206,060	6,036,832	71,712	5,965,120
	Carlsbad.....	24,775	1,253,580	11,592	1,241,988
New Mexico.....	Hondo.....	10,000	381,621	9,735	371,886
New Mexico-Texas.....	Rio Grande.....	4,155,000	7,206,914	386,825	6,820,089
North Dakota.....	North Dakota pumping.....	26,273	739,880	6,639	733,241
Oklahoma.....	Lawton.....	2,590	13,646	10	13,636
Oregon.....	Umatilla.....	36,430	2,345,226	40,266	2,304,960
Oregon-California.....	Klamath.....	142,796	2,800,962	51,271	2,800,691
South Dakota.....	Belle Fourche.....	97,916	3,450,566	19,030	3,437,536
Utah.....	Strawberry Valley.....	50,000	3,384,529	39,774	3,344,755
	Okanogan.....	10,099	843,243	2,467	840,776
Washington.....	Yakima.....				
	Storage unit.....		2,873,595	161,647	2,721,948
	Sunnyside unit.....	110,828	3,151,491	27,205	3,124,286
Wyoming.....	Teton unit.....	84,000	3,200,274	26,301	3,173,973
	Shoshone.....	147,326	4,990,872	72,166	4,918,706
Total.....		3,142,745	121,608,361	15,334,184	115,164,177

* See note on p. 31.

† The percentages noted in this column represent the ratio which costs of construction to date bear to estimated cost of completed projects. Per cents reduced in some cases, due to changes in size of project.

‡ Preliminary.

§ Indian reservation projects, constructed by the United States Reclamation Service in cooperation with Office of Indian Affairs.

¶ 25,000 acres additional in Mexico.

NO. 13.—PUBLIC LANDS: AREAS PATENTED, BY STATES, YEAR ENDED JUNE 30, 1918.

[Source: General Land Office, Department of the Interior.]

State.	Acres.	State.	Acres.	State.	Acres.
Alabama.....	17,416,330	Louisiana.....	15,334,440	Oklahoma.....	40,704,214
Alaska.....	5,441,760	Michigan.....	6,146,990	Oregon.....	349,146,156
Arizona.....	215,876,389	Minnesota.....	241,516,430	South Dakota.....	483,356,729
Arkansas.....	111,086,790	Mississippi.....	20,507,860	Utah.....	301,821,913
California.....	312,004,315	Missouri.....	3,048,276	Washington.....	219,455,900
Colorado.....	917,100,212	Montana.....	3,564,000,079	Wisconsin.....	5,870,660
Florida.....	61,055,630	Nebraska.....	490,421,220	Wyoming.....	409,614,254
Idaho.....	360,223,008	Nevada.....	48,749,629		
Illinois.....	240,000	New Mexico.....	1,081,035,095	Total.....	9,552,482,217
Iowa.....	120,000	North Dakota.....	235,201,418		
Kansas.....	39,221,930	Ohio.....	1,000,200		

NO. 14.—IRRIGATION.* APPROVED PROJECTS COMMENCED, ESTIMATED AREA ON COMPLETION, WITH ESTIMATED GROSS AND NET COSTS OF COMPLETED PROJECTS AND REVENUES DURING CONSTRUCTION, AND PERCENTAGE OF COMPLETION, TO JUNE 30, 1918, BY STATES AND PROJECTS.

		Report to June 30, 1918.				
State.	Project.	Esti- mated area on com- pletion.	Construction cost.			Per cent of com- ple- tion. ¹
			Gross cost.	Rev- enues during con- struction.	Net cost.	
		Acres.	Dollars.	Dollars.	Dollars.	
Arizona.....	Salt River.....	192,077	14,938,400	3,396,802	11,541,598	100
Arizona-California.....	Yuma.....	110,000	9,308,248	395,740	8,972,508	86
California.....	Orland.....	20,533	1,020,989	127,609	893,290	80
Colorado.....	Grand Valley.....	50,000	3,269,388	30,917	3,238,471	70
	Uncompahgre Valley.....	100,000	7,197,189	612,724	6,554,465	97
	Boise.....	327,720	12,470,748	781,919	11,688,829	99
Idaho.....	King Hill.....	16,376	170,896	896	170,000	
	Minidoka.....	121,005	5,884,684	163,094	5,720,690	91
Montana.....	Huntley.....	32,979	1,718,480	12,090	1,705,490	89
	Milk River.....	200,000	5,672,835	80,943	5,691,802	64
	Sun River.....	173,795	3,458,670	34,366	3,424,313	40
	Blackfoot ²	122,500	1,012,645	2,084	1,000,661	29
	Flathead ²	134,500	3,374,516	70,051	3,304,465	46
	Fort Peck ²	152,000	650,442	1,551	648,891	12
	Lower Yellowstone.....	60,116	2,912,797	21,592	2,891,205	87
	North Platte.....	229,778	9,357,011	91,091	9,265,920	74
Montana-North Dakota.....	Truckee-Carson.....	200,000	6,216,635	17,175	6,199,460	54
Nevada.....	Carlsbad.....	24,775	1,398,060	11,643	1,386,417	91
New Mexico.....	Rio Grande ²	155,000	8,140,836	441,446	7,699,391	66
New Mexico-Texas.....	North Dakota Pumping.....	26,273	730,801	6,039	730,762	64
North Dakota.....	Umatilla.....	36,300	2,377,299	33,296	2,344,003	86
Oregon.....	Klamath.....	141,682	2,073,054	60,000	2,013,054	58
Oregon-California.....	Belle Fourche.....	97,916	3,470,868	15,630	3,455,238	94
South Dakota.....	Strawberry Valley.....	50,000	3,460,872	25,910	3,434,962	87
Utah.....	Okanogan.....	10,099	851,145	2,568	848,577	78
	Yakima.....					
Washington.....	Storage.....		3,744,003	136,938	3,607,065	38
	Sunnyside unit.....	110,828	3,282,142	15,920	3,266,216	93
	Tieton unit.....	33,422	3,215,410	17,634	3,197,775	95
Wyoming.....	Shoshone.....	147,228	5,528,548	78,163	5,450,385	54
Total.....		3,082,902	127,852,619	6,689,316	121,163,303	

*See note on p. xvi.

¹ The percentages noted in this column represent the ratio which costs of construction to date bear to estimated cost of completed projects. Per cents reduced in some cases, due to changes in size of project.

² Indian reservation projects, constructed by the United States Reclamation Service in cooperation with Office of Indian Affairs.

³ 25,000 acres additional in Mexico.

No. 13.—PUBLIC LANDS: AREAS PATENTED, BY STATES, YEAR ENDED JUNE 30, 1919

[Source: General Land Office, Department of the Interior.]

State.	Acres.	State.	Acres.	State.	Acres.
Alabama.....	38,137,680	Louisiana.....	33,521,350	Oregon.....	484,192,593
Alaska.....	7,599,534	Michigan.....	8,905,800	South Dakota.....	455,700,052
Arizona.....	161,642,482	Minnesota.....	272,811,680	Utah.....	174,133,771
Arkansas.....	125,777,340	Mississippi.....	21,672,510	Washington.....	215,307,044
California.....	335,878,644	Missouri.....	3,026,715	Wisconsin.....	7,932,830
Colorado.....	1,336,045,478	Montana.....	3,446,336,090	Wyoming.....	538,218,706
Florida.....	63,801,450	Nebraska.....	331,110,030	Offices discontinued.....	10,911,280
Idaho.....	784,939,668	Nevada.....	265,972,808	Total.....	10,777,001,349
Illinois.....	485,620	New Mexico.....	1,223,690,507		
Indiana.....	1,560,000	North Dakota.....	316,088,425		
Iowa.....	277,268	Ohio.....	158,650		
Kansas.....	51,488,100	Oklahoma.....	59,010,534		

No. 14.—IRRIGATION.* APPROVED PROJECTS COMMENCED, ESTIMATED AREA ON COMPLETION, WITH ESTIMATED GROSS AND NET COSTS OF COMPLETED PROJECTS AND REVENUES DURING CONSTRUCTION, AND PERCENTAGE OF COMPLETION, TO JUNE 30, 1919, BY STATES AND PROJECTS.

State.	Project.	Report to June 30, 1919.				
		Esti- mated area on com- pletion.	Construction cost.			Per cent of com- pletion. ¹
			Gross cost.	Re- venues during con- struction.	Net cost.	
		Acres.	Dollars.	Dollars.	Dollars.	
Arizona.....	Salt River.....	192,077	15,106,942	4,558,688	10,548,254	100
Arizona-California.....	Yuma.....	110,000	9,495,570	399,764	9,095,806	88
California.....	Orland.....	20,533	1,048,298	128,244	920,054	81
Colorado.....	Grand Valley.....	50,000	3,545,157	55,176	3,489,981	80
	Uncompahgre Valley.....	100,000	7,341,651	767,137	6,574,514	98
	Boise.....	327,552	12,758,216	784,940	11,973,276	99
Idaho.....	King Hill.....	16,385	501,362	23,077	524,439	59
	Minidoka.....	121,392	5,998,803	193,819	5,805,044	91
	Huntley.....	32,885	1,750,943	18,078	1,737,865	91
Montana.....	Milk River.....	181,000	5,955,475	106,826	5,848,649	53
	Sun River.....	174,620	3,775,096	40,021	3,729,075	44
	Blackfeet ²	118,500	1,048,250	4,157	1,044,093	30
Montana-North Dakota.....	Flathead ³	134,500	3,701,877	86,351	3,675,526	53
	Fort Peck ⁴	152,000	704,534	1,481	703,053	12
	Lower Yellowstone.....	59,613	2,915,090	21,592	2,893,498	87
Nebraska-Wyoming.....	North Platte.....	231,715	10,643,517	94,421	10,549,096	62
Nevada.....	Newlands ⁵	231,000	6,384,544	14,403	6,370,141	52
New Mexico.....	Carlsbad.....	24,991	1,382,458	13,619	1,369,839	97
New Mexico-Texas.....	Rio Grande.....	182,000	9,775,296	674,628	9,100,668	70
North Dakota.....	North Dakota Pumping.....	26,151	721,163	9,472	711,691	94
Oregon.....	Umatilla.....	36,300	2,473,191	33,459	2,439,732	94
Oregon-California.....	Klamath.....	141,444	3,092,101	60,780	3,031,341	76
South Dakota.....	Belle Fourche.....	97,889	3,479,802	10,535	3,468,267	84
Utah.....	Strawberry Valley.....	80,000	3,506,004	26,295	3,479,709	84
	Okanogan.....	10,099	947,029	54,183	892,846	75
	Yakima.....					
Washington.....	Storage unit.....		3,783,105	184,471	3,598,634	42
	Sunnyside unit.....	110,828	3,355,599	16,178	3,339,421	95
	Tieton unit.....	32,000	3,380,284	17,915	3,362,369	99
Wyoming.....	Jackson Lake enlargement ⁶		783,153	1,894	781,169	99
	Riverton ⁷	100,000	71,918	438	72,456	4
	Shoshone.....	136,618	6,109,061	88,375	6,020,686	65
Total.....		3,212,092	135,086,549	8,470,357	127,216,192	

*See note on p. 26.

¹ The percentages noted in this column represent the ratio which costs of construction to date bear to estimated cost of completed projects. Per cents reduced in some cases, due to changes in size of project.² Loss in hospital operation.³ Indian reservation projects, constructed by the United States Reclamation Service in cooperation with Office of Indian Affairs.⁴ Formerly Truckee-Carson.⁵ 25,000 acres additional in Mexico.⁶ Work performed for private companies.