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SCS-TP-158



The Status of Land Disturbed by Surface Mining in the United States

Basic Statistics by State and County as of July 1, 1977

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The Status of Land Disturbed by
Surface Mining in
the United States

Basic Statistics
by State and County
as of July 1, 1977

This publication presents an updated inventory by the Soil Conservation Service of land disturbed by surface mining in the United States as of July 1, 1977. This is the fourth national inventory. The first was made in 1964 (USDI, 1967) and updated in 1971 (USDA, 1973) and 1974 (Congressional Record, April 8, 1974). This newest survey was completed for each county in the United States (regions were used for Alaska and municipalities for the Caribbean area under United States jurisdiction).

The inventory lists the amount of land needing reclamation, land not requiring reclamation, and total land disturbed. The land needing reclamation includes both reclamation required by law and reclamation not required by any law. Each of these two types of land needing reclamation were subdivided to show the kinds of commodities removed (coal, sand and gravel, and all other mined materials).

SCS estimated the acreage disturbed by surface mining in each county, region, or municipality without resorting to detailed field surveys. Counties, regions, or municipalities with no surface mining sent in negative reports. The following guidelines were used to complete the local worksheets.

Land disturbed by surface mining includes all mining of subsurface resources by (1) removing the overburden lying above the natural deposit; (2) mining directly from the natural deposits exposed; and (3) underground mining that has significant effects on the surface.

Disturbed areas are:

- (1) land from which materials have been displaced by surface mining;
- (2) land on which any displaced materials have been deposited;
- (3) the haul roads and impoundment basins within the surface mining area; and
- (4) all other land whose natural state has been disturbed by surface mining.

SCS relied on field office staffs, district supervisors, and appropriate county and state officials to locate the disturbed areas. To complete the surveys, SCS also used supporting documents such as conservation district programs, Resource Conservation and Development project plans, and county comprehensive land use plans.

SCS reviewed and coordinated the information collected with the agencies that administer state reclamation programs for mined areas. The SCS office in each state then summarized and tabulated the data.

Status

Surface mining occurs in all states. It affects a wide range of soils, vegetation, ecosystems, and climatic zones. The acreage disturbed, however, is a small percentage of the Nation's total land area. Paone et al. (1974) reported that land utilized by mining from 1930 to 1971 amounted to 0.16 percent of the land mass of the United States. However, mining is geographically concentrated and this results in intense hydrologic and esthetic changes in specific environments. These changes, in turn, often affect an area larger than the area that has been physically disturbed.

As of July 1, 1977, the mineral industry had disturbed 5.7 million acres in the United States. Table 1 shows the status of that disturbed land in each state. Exactly how much additional land is disturbed annually is not known, but it can be estimated. Based on data reported by producers, the U.S. Department of the Interior (USDI) estimated that 153,000 acres of land were disturbed in 1964 by strip and surface mining (USDI, 1967). Sand and gravel accounted for 60,000 acres; coal, 46,000; stone, 21,000; clay, 9,000; phosphate rock, 9,000; and the remaining minerals accounted for 8,000 acres.

Table 1.--Status of land disturbed by surface mining in the United States as of July 1, 1977, by states 1/
 [Acres; dashes indicate none]

State	Land needing reclamation				Reclamation required by law		Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law		Other mined areas		Sand and gravel	Other mined areas		
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alabama-----	72,292	16,611	19,929	34,807	5,498	6,252	85,673	241,062
*Alaska-----	2,700	4,300	4,000	---	---	---	4,000	15,000
*Arizona-----	400	6,400	60,900	---	---	---	121,800	189,500
Arkansas-----	5,623	21,483	11,479	2,859	20	1,592	9,449	52,505
California-----	10	7,970	80,998	500	17,642	51,316	59,061	217,497
*Caribbean Area-----	---	2,550	1,000	---	---	---	710	4,260
Colorado-----	7,089	8,334	15,861	1,195	11,672	6,513	14,023	64,687
*Connecticut-----	---	16,740	787	---	---	---	4,590	22,117
*Delaware-----	---	2,912	63	---	---	---	1,498	4,473
Florida-----	---	11,162	235,700	---	3,365	20,922	61,266	332,415
Georgia-----	1,680	3,353	24,008	764	4,623	13,772	23,247	71,447
Hawaii-----	---	15	115	---	---	---	---	130
Idaho-----	---	5,100	1,500	---	18,200	3,500	2,500	30,800
Illinois-----	118,711	20,330	14,192	40,899	8,582	4,557	88,860	296,131
Indiana-----	25,882	11,875	6,522	74,581	4,176	1,894	64,711	189,641
Iowa-----	13,997	10,147	6,421	341	8,457	9,638	10,519	59,520
Kansas-----	41,256	11,150	10,159	815	3,634	3,978	20,117	91,109
Kentucky-----	101,637	980	4,712	154,218	2,299	2,780	154,495	421,121
*Louisiana-----	---	37,324	2,549	---	---	---	10,467	50,340
Maine-----	---	28,833	2,075	---	2,293	923	6,794	40,918
Maryland-----	6,412	7,430	1,181	5,703	9,741	1,734	19,824	52,025
*Massachusetts-----	---	32,041	10,330	---	---	---	11,750	54,121
Michigan-----	142	39,424	23,422	---	15,662	4,072	27,600	110,322
Minnesota-----	---	30,047	44,801	---	12,444	7,891	66,919	162,102
*Mississippi-----	---	45,966	7,821	---	---	---	14,415	68,202
Missouri-----	70,688	4,473	28,187	8,772	1,046	6,055	22,051	141,272
Montana-----	1,955	4,655	18,340	4,766	4,492	6,598	12,528	53,334
*Nebraska-----	---	17,969	4,029	---	---	---	11,005	33,003
*Nevada-----	---	1,221	2,555	---	---	---	1,953	5,729
*New Hampshire-----	---	12,725	417	---	---	---	547	13,689
*New Jersey-----	---	24,610	5,570	---	---	---	8,263	38,443
New Mexico-----	22	11,860	1,806	3,709	1,057	26,072	2,207	46,733
New York-----	---	30,917	19,251	---	15,979	5,037	18,477	89,661
North Carolina-----	---	11,908	4,792	---	7,096	3,909	7,000	34,705
North Dakota-----	1,050	2,010	200	6,725	---	---	38,595	48,580
Ohio-----	196,709	22,621	18,923	77,050	16,659	8,427	190,578	530,967

Table 1.--Status of land disturbed by surface mining in the United States as of July 1, 1977, by states (continued) 1/
 [Acres; dashes indicate none]

State	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Oklahoma-----	36,118	6,659	14,105	6,298	2,766	4,110	16,255	86,311
Oregon-----	---	3,521	17,568	3	6,814	1,538	7,387	36,831
Pennsylvania-----	240,000	11,000	20,500	60,000	15,000	25,000	250,000	621,500
*Rhode Island-----	---	2,592	---	---	---	---	3,470	6,062
South Carolina-----	---	9,065	2,128	---	4,395	3,194	9,815	28,597
South Dakota-----	890	10,153	5,259	---	6,826	695	7,149	30,972
Tennessee-----	29,583	4,950	2,305	3,127	810	1,135	104,596	146,506
Texas-----	3,310	152,457	37,104	3,725	6,289	4,989	48,456	256,330
Utah-----	635	3,999	4,414	133	4,637	10,216	7,521	31,555
Vermont-----	---	3,877	2,078	---	377	60	1,536	7,928
Virginia-----	23,724	3,788	1,251	8,222	3,929	2,003	70,060	112,977
Washington-----	48	9,701	8,174	1,190	11,822	1,073	10,245	42,253
West Virginia-----	84,868	4,554	995	7,658	---	---	137,105	235,180
Wisconsin-----	---	41,607	7,555	---	11,884	2,865	21,605	85,516
Wyoming-----	9,657	3,673	12,376	62,028	7,665	12,787	5,511	113,697
Total	1,097,088	799,042	830,407	570,088	257,851	267,097	1,898,203	5,719,776

1/Based on information from Soil Conservation Service state offices

*No state law when survey completed; therefore, no reclamation required by law

Paone et al. (1974) reported that between 1930 and 1971 the percentages of the land surface mined for various commodities were as shown in table 2.

Table 2.--Percentage of land surface mined by commodity, 1930-1971

Commodity	Percentage of land surface mined
Phosphate rock-----	2
Iron ore-----	3
Clay-----	5
Copper-----	5
Stone-----	14
Sand and gravel-----	18
Bituminous coal-----	40
All other commodities-----	13
Total-----	100

Paone and Meyer (1978) reported on the extent of our nonrenewable commodities and the extent to which they were surface mined in 1975. In 1975, surface mining accounted for 96 percent of domestic production of non-metallic ores, 88 percent of metallic ores, and 55 percent of coal. Table 3 breaks down surface mining in 1975 by commodities.

Table 3.--Commodities surface mined in 1975

Crude ore commodity	Million short tons	Percentage recovered by surface mining
Clay-----	43	98
Coal, bituminous-----	356	55
Copper-----	240	89
Iron ore-----	230	96
Phosphate rock-----	186	100
Sand and gravel-----	789	100
Stone-----	867	96
All other commodities-----	95	50
Total-----	2,806	86

"Strippable Reserves of Bituminous Coal and Lignite in the United States" (USDI, 1971) provides information on the location of strippable coal reserves in the conterminous United States by region. Figure 1 shows the location of these reserves.

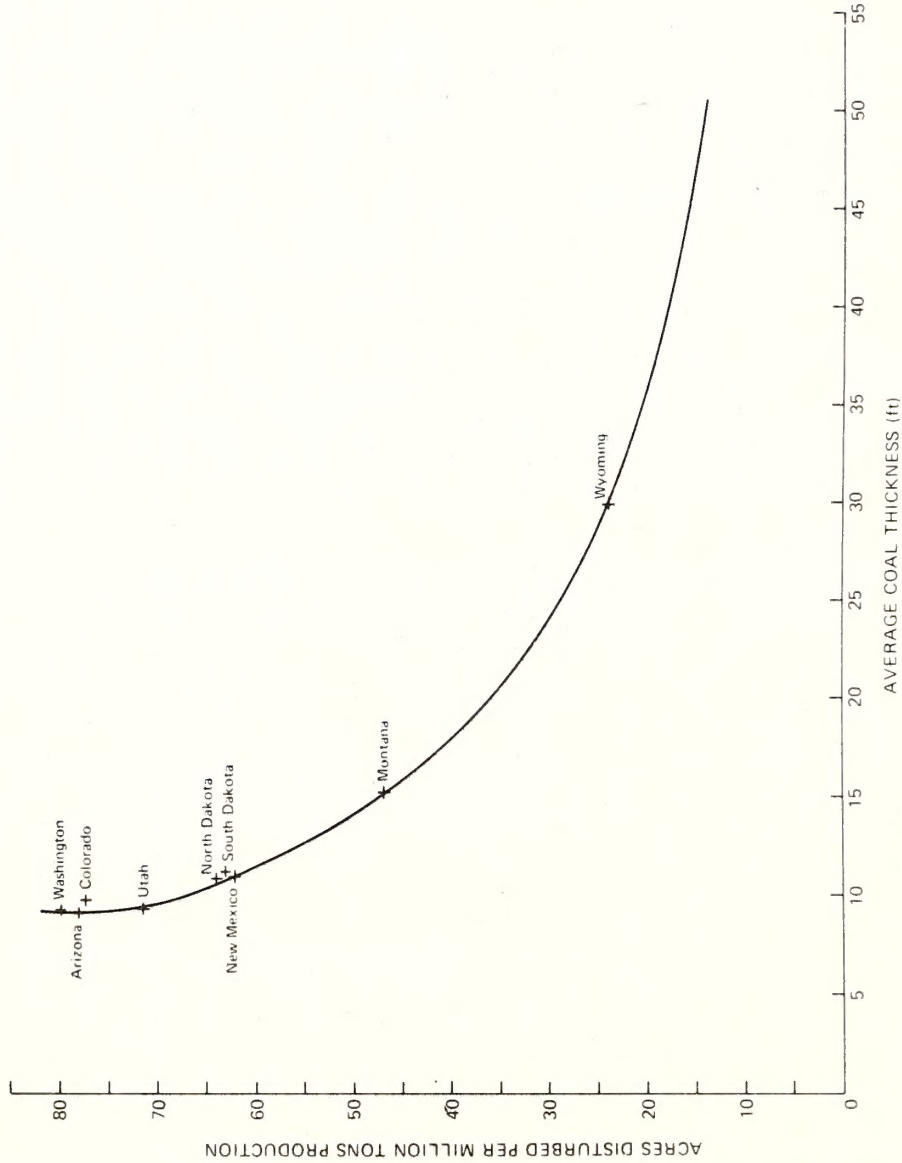


Figure 1.--Relationship of coal seam thickness to acres disturbed, per million tons production. (Assumed: 1,750 tons per acre-foot, 80% recovery.) (National Academy of Sciences, 1974)

Condition

There are 5.7 million acres of land disturbed by mining. There is no legal requirement to reclaim 2.7 million acres of unreclaimed mined land. (Eleven states and the Caribbean area did not have reclamation laws in effect when SCS conducted its 1977 survey of surface-mined land.) Reclamation is required by law on approximately 1.1 million acres that have not yet been reclaimed. According to this 1977 SCS survey, approximately 1.9 million acres of land disturbed by mining have been reclaimed by natural seeding or through the efforts of landowners.

The 2.7 million acres that do not have to be reclaimed by law are made up of about 1.1 million acres affected by coal mines, 800,000 affected by sand and gravel mining, and more than 800,000 mined for other commodities. Of the 1.1 million acres that must be reclaimed by law, more than 570,000 acres were affected by coal mining, more than 257,000 by sand and gravel mining, and more than 267,000 by mining for other commodities.

Location.--Abandoned coal-mined lands are concentrated primarily in the eastern and interior coal provinces. Pennsylvania has 240,000 acres of abandoned coal-mined land that need reclamation and are not covered by any law. This is the largest state acreage. Other states having high acreages of unreclaimed coal-mined lands that are not covered by reclamation laws are:

Ohio--196,700 acres; Illinois--118,700 acres; Kentucky--101,600 acres; West Virginia--84,900 acres; Alabama--72,300 acres; Missouri--70,700 acres; Kansas--41,300 acres; Oklahoma--36,100 acres; Tennessee--29,600 acres; Indiana--25,900 acres; Virginia--23,700 acres; Iowa--14,000 acres. These 12 states contain more than 96 percent of the abandoned coal-mined land in the United States.

Most of the other abandoned sites are the result of sand and gravel, stone, phosphate, iron, clay, and gold mining. The Minerals Yearbook (USDI, 1974) and the Bureau of Mines Commodity and Data Summaries (USDI, 1977a) report recent production of these commodities as follows:

Crushed stone was produced in every state except Delaware. Principal producing states are Pennsylvania, Illinois, Texas, Florida, and Ohio.

Dimension stone was produced in 44 states. Georgia, Indiana, Ohio, Pennsylvania, and Vermont accounted for about half the total.

Phosphate is concentrated in Florida (78 percent of the country's production).

Iron ore was mined mostly in Minnesota and Michigan, which accounted for 64 percent and 20 percent, respectively, of the 1976 production.

Clay in one or more of the categories (kaolin, ball clay, fire clay, bentonite, fuller's earth or common clay, and shale) was produced in 47 states. However, specific categories of clay are concentrated in certain states. The major producing states are:

Kaolin--Georgia, 75 percent, and South Carolina, 12 percent.

Ball clay--Tennessee, 61 percent.

Fire clay--Ohio, Pennsylvania, Missouri, and Alabama, 97 percent.

Bentonite--Generally, high-swelling or sodium bentonites are produced in Wyoming, Montana, and South Dakota. The calcium or low-swelling bentonites are produced in other states.

Fuller's earth--Georgia, 40 percent, and Florida, 34 percent.

Gold accounted for 6 percent of the land disturbed by surface mining as of January 1, 1965. Domestic gold production has declined in recent years. In 1976, approximately 36 percent was produced as a byproduct of base-metal mining operations, chiefly copper. In 1976, South Dakota, Nevada, Utah, Arizona, Colorado, Washington, and Montana accounted for 96 percent of the total production.

Bauxite is produced primarily in Arkansas, 86 percent. The rest is produced in Alabama and Georgia.

Adjacent Areas--The total acreage affected by surface mining varies with the topography, mining and processing methods, climate, and the geology of the area. Contour mining in hilly topography disturbed 696,000 acres (24 percent) of the privately owned surface-mined lands in 1965. In eastern Kentucky, haul roads accounted for about 10 percent of the land disturbed. Generally, there is also damage to hillsides below mining operations. This occurs more in contour mining than in area mining or open-pit mining.

Calculating the Acreage Disturbed--A National Academy of Sciences Study (1974) showed the relation between coal seam thickness and the number of acres disturbed per million tons mined. Figure 2 shows this relationship and indicates the average thickness of coal reserves in the western states.

The "Report of the Interagency Task Force on the Issue of a Moratorium or a Ban on Mining in Prime Agricultural Lands," (1977, unpublished) provides information on the acres disturbed by surface mining in 1977. This report was prepared by the Office of Management and Budget; Soil Conservation Service; Bureau of Mines; Federal Energy Administration; and the Environmental Protection Agency. They estimated that 47,716 acres would be mined for coal in 1977. Table 4 gives estimates of the total acreage disturbed in primary producing states. The total acreage affected, however, would be twice the amounts indicated, about 95,000 acres, because of haul roads, damage to hillsides in contour mining, acid mine drainage, and other off-site effects.

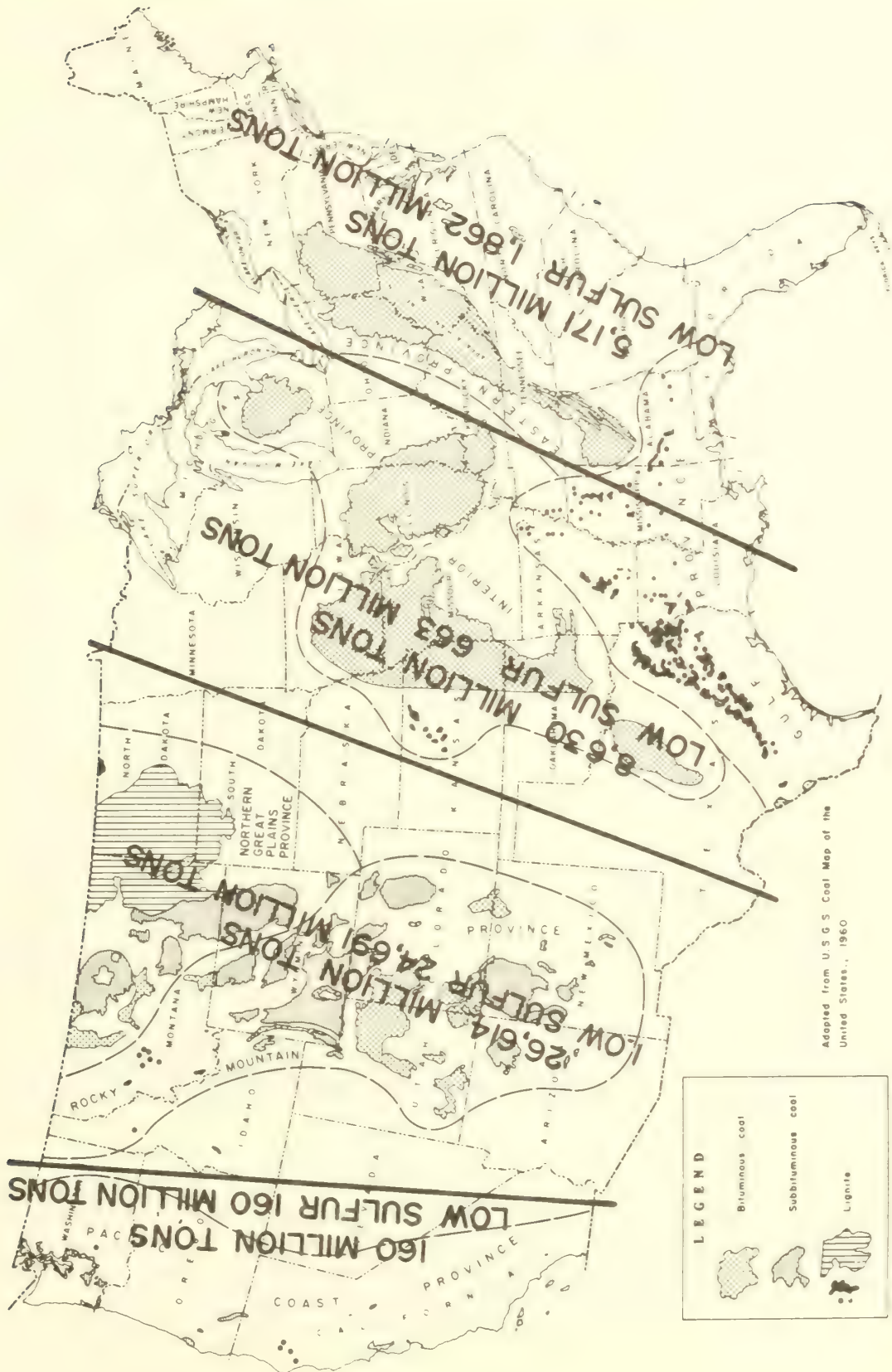


Figure 2.--Strippable coal reserves of the conterminous United States, by region.

Table 4.--Estimated acreage disturbed by surface coal mine production
(1977)

State	Average seam thickness (ft)	1977 strip mine coal production (thousand tons) <u>1/</u>	Total acreage mined
Alabama-----	2.1	14,450	3,822
Alaska-----	10.0	790	43
Arizona-----	10.0	10,550	586
Arkansas-----	2.3	670	587
Colorado-----	12.0	6,450	297
Illinois-----	3.4	30,050	4,910
Indiana-----	4.0	26,750	3,715
Iowa-----	3.0	290	53
Kansas-----	1.8	980	302
Kentucky-----	3.5	78,890	12,522
Maryland-----	3.0	2,680	496
Missouri-----	2.0	5,390	1,497
Montana-----	24.0	32,970	763
New Mexico-----	11.0	11,270	569
North Dakota-----	16.0	14,130	490
Ohio-----	4.0	28,040	3,894
Oklahoma-----	2.0	2,770	769
Pennsylvania-----	3.6	34,950	5,393
Tennessee-----	3.2	5,170	897
Texas-----	7.0	15,610	1,238
Virginia-----	3.5	11,800	1,873
Washington-----	22.0	3,700	93
West Virginia-----	4.3	19,850	2,564
Wyoming-----	67.0	41,400	343
Total-----		399,600	47,716 <u>2/</u>

1/ Bituminous and lignite.

2/ To obtain the total acreage affected by surface mining, multiply this figure by two to account for secondary impacts such as haul roads and other facilities.

Trend

Table 5 shows nationwide changes in the status of surface-mined land between 1965 and 1977. The average rate of land disturbance was 202,000 acres per year. The total number of acres reclaimed by 1977 is about the same as it was in 1974. Additional acres were reclaimed between 1974 and 1977, but our guidelines on what is adequately reclaimed are more stringent now than they were in 1974.

Table 5.--Status of land disturbed by surface mining in the
 United States from January 1, 1965, to July 1, 1977
 (Thousands of acres)

Status of mined land	1965 <u>1/</u>	1972 <u>2/</u>	1974 <u>3/</u>	1977 <u>4/</u>
Land requiring reclamation-----	2,040.6	2,181.2	2,542.7	3,821.6
Land not requiring reclamation--	1.147.2	1.823.7	1,876.0	1,898.2
Total land disturbed-----	3,187.8	4,004.9	4,418.7	5,719.8

1/ Surface Mining and Our Environment--a special report, (USDI 1967) appendix 1, table 2.

2/ Restoring Surface-Mined Land (USDA, 1973) table 2, p. 3.

3/ SCS 1974 survey reported in the Congressional Record, April 8, 1974, table 1, p. E 2815.

4/ 1977 SCS survey.

Paone et al. (1974) reported on land use and reclamation by the mining industry. They obtained data from operating companies, mining organizations, appropriate state agencies, and others concerned with such activities. From 1930 through 1971, the mining industry disturbed 3.65 million acres, or 0.16 percent of the land mass of the United States. A survey made by SCS in 1971 showed 4 million acres disturbed. This SCS survey also included land mined before 1930, which may account for its higher estimate. According to Paone et al. (1974), the 10 leading states in land used for mining in 1971 were, in order: Kentucky, Pennsylvania, Arizona, Ohio, California, Florida, West Virginia, Illinois, Minnesota, and Indiana. Paone also reported on reclamation over the period 1930 through 1971. The fossil fuels industry reclaimed more than 1 million acres, or 69 percent of the total land reclaimed. Land mined for nonmetals accounted for 28 percent of the reclaimed land and metals 3 percent. The largest single item of reclamation, about one-half the total area reclaimed, was land mined for bituminous coal. As used by Paone, "reclaimed" indicates that reconditioning or restoration work has been completed on mined areas and waste disposal areas in compliance with federal, state, and local laws. If reclamation was not required by law, Paone asked operators to report the affected areas that they felt were reconditioned or restored to a useful condition.

Tables 6 through 56 provide information on the status of surface mining in each of the 50 states and in the Caribbean area.

Table 6. -- Status of land disturbed by surface mining in Alabama as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Autauga	---	295	---	---	105	---	520	
Baldwin	---	100	---	---	25	---	225	
Barbour	---	500	2,500	---	110	1,150	6,260	
Bibb	300	---	400	400	---	200	13,798	
Blount	3,300	385	200	3,000	---	---	13,470	
Bulloch	---	200	---	---	---	---	260	
Butler	---	1,600	2,400	---	---	---	7,200	
Calhoun	---	315	342	---	35	38	1,810	
Chambers	---	1,000	835	---	25	150	5,475	
Cherokee	---	300	450	380	15	---	15,780	
Chilton	---	500	---	---	369	---	1,169	
Choctaw	---	14	---	---	10	6	30	
Clarke	---	481	40	---	276	---	834	
Clay	---	10	---	---	---	84	94	
Cleburne	---	50	---	---	20	55	1,165	
Coffee	---	10	---	---	10	---	20	
Colbert	---	220	80	---	---	---	700	
Conecuh	---	210	---	---	160	---	440	
Coosa	---	---	---	---	---	985	985	
Covington	---	5	17	---	1	7	33	
Crenshaw	---	15	710	---	5	55	1,735	
Cullman	1,200	---	---	2,500	---	---	4,100	
Dale	---	32	13	---	---	---	45	
Dallas	---	400	---	---	350	---	850	
De Kalb	820	100	50	5,000	---	---	6,690	
Elmore	---	437	100	---	---	474	1,011	
Escambia	---	907	---	---	743	---	265	
Etowah	200	100	277	80	108	356	1,186	
Fayette	445	60	---	120	35	30	2,307	
Franklin	100	2,000	3,300	400	600	1,150	810	
Geneva	---	26	34	---	25	100	17,650	
Greene	---	40	---	---	---	---	185	
Hale	---	285	15	---	15	---	200	
Henry	---	---	---	---	---	284	355	
Houston	---	20	---	---	75	---	309	
Jackson	220	---	213	160	---	165	180	
							4,700	

Table 6. -- Status of land disturbed by surface mining in Alabama as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Jefferson-----	9,000	750	324	4,800	250	150	2,500
Lamar-----	---	310	---	---	---	---	110
Lauderdale-----	---	166	---	---	---	---	10
Lawrence-----	---	---	---	---	---	---	30
Lee-----	---	20	---	---	10	70	5
Limestone-----	---	10	---	---	20	---	18
Lowndes-----	---	50	---	---	125	50	300
Macon-----	---	780	---	---	330	---	120
Madison-----	5	300	30	---	20	30	572
Marengo-----	---	67	---	---	19	---	25
Marion-----	3,800	100	110	3,000	30	60	150
Marshall-----	2	10	20	5	20	15	---
Mobile-----	---	---	1,135	---	---	335	245
Monroe-----	---	150	5	---	20	35	120
Montgomery-----	---	1,000	---	---	620	---	1,800
Morgan-----	---	87	216	---	57	122	59
Perry-----	---	---	---	---	4	---	60
Pickens-----	---	47	45	---	---	---	20
Pike-----	---	45	2,300	---	---	---	1,068
Randolph-----	---	25	300	---	131	15	125
Russell-----	---	500	1,220	---	130	60	450
St. Clair-----	1,000	150	---	125	15	---	375
Shelby-----	3,000	15	800	1,200	5	1,100	1,000
Sumter-----	---	---	---	---	15	20	176
Talladega-----	---	350	100	---	90	250	2,420
Tallapoosa-----	---	255	23	---	200	---	10
Tuscaloosa-----	19,000	200	1,000	9,387	100	---	2,000
Walker-----	27,900	100	---	3,750	---	---	6,350
Washington-----	---	250	175	---	50	100	40
Wilcox-----	---	107	---	---	20	---	115
Winston-----	2,000	150	150	500	100	100	125
Total	72,292	16,611	19,929	34,807	5,498	6,252	85,673
							241,062

1/Based on information from Soil Conservation Service state office

Table 7. -- Status of land disturbed by surface mining in Alaska as of July 1, 1977, by regions 1/
 [Acres; dashes indicate none]

Region	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Arctic-----	---	550	100	---	---	---	200	850	
Northwest-----	---	100	1,200	---	---	---	500	1,800	
Yukon-----	1,100	1,650	1,300	---	---	---	1,100	5,150	
Southwest-----	---	100	300	---	---	---	200	600	
South-Central-----	1,600	1,300	700	---	---	---	1,100	4,700	
Southeast-----	---	600	400	---	---	---	900	1,900	
Total	2,700	4,300	4,000	---	---	---	4,000	15,000	

1/Based on information from Soil Conservation Service state office

Table 8. -- Status of land disturbed by surface mining in Arizona as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Apache	400	100	200	---	---	---	2,500
Cochise	---	400	2,600	---	---	---	7,000
Coconino	---	1,000	3,000	---	---	---	20,000
Gila	---	1,000	11,000	---	---	---	30,000
Graham	---	200	800	---	---	---	3,000
Greenlee	---	200	8,800	---	---	---	23,000
Maricopa	---	1,000	1,000	---	---	---	15,000
Mohave	---	200	1,800	---	---	---	6,000
Navajo	---	100	900	---	---	---	2,000
Pima	---	1,000	19,000	---	---	---	45,000
Pinal	---	500	7,500	---	---	---	19,000
Santa Cruz	---	200	800	---	---	---	4,000
Yavapai	---	300	1,700	---	---	---	5,000
Yuma	---	200	1,800	---	---	---	8,000
Total	400	6,400	60,900	---	---	---	189,500

1/Based on information from Soil Conservation Service state office

Table 9. -- Status of land disturbed by surface mining in Arkansas as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed	
	Reclamation not required by any law					Reclamation required by law						
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Coal mines	Other mined areas	Sand and gravel	Land not requiring reclamation			
Arkansas	---	---	---	---	---	---	---	---	---	---	---	---
Ashley	---	5	---	---	---	---	---	---	65	---	70	70
Baxter	---	20	40	---	---	---	---	---	---	---	60	60
Benton	---	40	600	---	---	---	---	---	---	---	640	640
Boone	---	---	---	---	---	---	---	---	---	---	---	---
Bradley	---	100	---	---	---	---	---	---	100	---	200	200
Calhoun	---	2,300	---	---	---	---	---	---	100	---	2,400	2,400
Carroll	---	50	100	---	---	---	---	---	---	---	150	150
Chicot	---	---	---	---	---	---	---	---	---	---	---	---
Clark	---	150	20	---	---	---	20	---	60	---	250	250
Clay	---	325	---	---	---	---	---	---	---	---	325	325
Cleburne	---	22	15	---	---	---	---	---	5	---	42	42
Cleveland	---	100	---	---	---	---	---	---	300	---	400	400
Columbia	---	332	---	---	---	---	---	---	---	---	332	332
Conway	---	25	---	---	---	---	---	---	---	---	25	25
Craighead	---	800	---	---	---	---	30	---	40	---	870	870
Crawford	---	---	---	---	---	---	---	---	151	---	151	151
Crittenden	---	---	---	---	---	---	---	---	---	---	---	---
Cross	---	556	---	---	---	---	---	---	54	---	610	610
Dallas	---	285	---	11	---	---	---	---	75	---	371	371
Desha	---	---	---	---	---	---	---	---	---	---	---	---
Drew	---	450	---	---	---	---	---	---	150	---	600	600
Faulkner	---	---	---	---	---	---	---	---	---	---	---	---
Franklin	1,571	30	---	439	---	---	201	---	420	---	2,661	2,661
Fulton	---	---	---	---	---	---	---	---	---	---	---	---
Garland	---	60	65	---	---	---	75	---	20	---	220	220
Grant	---	35	---	---	---	---	---	---	6	---	41	41
Greene	---	100	---	---	---	---	---	---	10	---	110	110
Hempstead	---	170	---	---	10	---	15	---	1,800	---	1,995	1,995
Hot Spring	---	1,700	730	---	---	---	70	---	240	---	2,740	2,740
Howard	---	---	216	---	---	---	100	---	---	---	316	316
Independence	100	20	120	---	---	---	---	---	100	---	340	340
Izard	---	---	---	---	---	---	---	---	200	---	200	200
Jackson	---	200	100	---	---	---	---	---	---	---	300	300
Jefferson	---	80	---	---	---	---	---	---	---	---	80	80

Table 9. --- Status of land disturbed by surface mining in Arkansas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Washington-----	---	4	---	---	---	---	---	4	8
White-----	---	120	---	---	---	---	---	120	240
Woodruff-----	---	---	---	---	---	---	---	---	---
Yell-----	2	57	---	---	---	---	---	---	59
Total	5,623	21,483	11,479	2,859	20	1,592	9,449	52,505	

1/Based on information from Soil Conservation Service state office

Table 10. -- Status of land disturbed by surface mining in California as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Reclamation not required by any law				Land needing reclamation				Land not requiring reclamation	Total land disturbed
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Reclamation required by law	Sand and gravel	Other mined areas	Land not requiring reclamation		
Alameda	---	750	150	---	5,500	---	---	700	7,100	
Alpine	---	10	700	---	2	---	---	---	712	
Amador	---	---	800	500	1,000	748	---	500	3,548	
Butte	---	550	2,700	---	485	13,800	---	---	17,535	
Calaveras	---	300	450	---	600	800	---	400	2,550	
Colusa	---	---	---	---	10	5	---	---	15	
Contra Costa	---	160	145	---	810	---	45	---	1,160	
Del Norte	---	---	---	---	---	---	275	---	275	
El Dorado	---	35	200	---	80	---	9,000	---	9,315	
Fresno	---	---	640	---	600	---	320	---	1,560	
Glenn	---	320	20	---	300	150	---	---	790	
Humboldt	---	---	---	---	---	---	530	---	530	
Imperial	---	---	---	---	---	---	---	---	---	
Inyo	---	100	200	---	---	---	---	---	300	
Kern	---	40	1,140	---	1,000	1,500	---	---	3,680	
Kings	---	---	---	---	40	675	---	500	1,215	
Lake	---	300	500	---	---	---	200	---	1,000	
Lassen	---	200	200	---	300	200	---	100	1,000	
Los Angeles	---	---	---	---	---	---	---	---	---	
Madera	---	---	---	---	---	---	---	---	---	
Marin	---	130	30	---	---	---	---	---	160	
Mariposa	---	---	---	---	250	24,190	---	---	24,440	
Mendocino	---	---	---	---	---	---	150	---	150	
Merced	---	---	---	---	390	30	5,355	---	5,775	
Modoc	---	300	560	---	---	---	300	---	1,160	
Mono	---	80	500	---	---	---	---	---	580	
Monterey	---	---	---	---	---	---	723	---	723	
Napa	---	50	100	---	---	---	1,160	---	1,310	
Nevada	---	---	---	---	---	---	10,542	---	10,542	
Orange	---	2	2	---	8	2	---	---	14	
Placer	---	---	---	---	50	60	2,000	---	2,110	
Plumas	---	24	6	---	---	---	---	---	30	
Riverside	---	59	190	---	29	5	409	---	692	
Sacramento	---	500	4,000	---	---	---	---	---	4,500	
San Benito	---	140	208	---	40	316	---	---	704	
San Bernardino	---	170	500	---	500	2,000	500	---	3,670	

Table 10. -- Status of land disturbed by surface mining in California as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
San Diego	---	625	---	---	---	---	1,290
San Francisco	---	---	---	---	---	---	100
San Joaquin	---	---	---	---	400	---	1,400
San Luis Obispo	---	125	1,170	---	---	15	1,310
San Mateo	---	---	65	---	---	400	545
Santa Barbara	---	70	1,550	---	---	10	2,030
Santa Clara	---	---	---	---	---	---	430
Santa Cruz	---	---	---	---	---	---	6,981
Shasta	---	500	10,500	---	---	---	15,000
Sierra	---	10	5,820	---	---	---	8,330
Siskiyou	---	51	2,062	---	---	---	2,629
Solano	---	459	---	---	3,488	---	3,947
Sonoma	---	---	375	---	1,105	1,675	3,155
Stanislaus	---	100	200	---	25	50	475
Sutter	---	---	---	---	---	50	75
Tehama	---	200	5	---	---	---	205
Trinity	10	50	44,940	---	---	---	50,000
Tulare	---	1,260	120	---	160	---	1,860
Tuolumne	---	200	250	---	300	600	1,750
Ventura	---	---	---	---	150	50	200
Yolo	---	100	---	---	---	---	190
Yuba	---	---	---	---	20	4,000	6,030
Total	10	7,970	80,998	500	17,642	51,316	216,497

1/Based on information from Soil Conservation Service state office

Table 11. --- Status of land disturbed by surface mining in the Caribbean Area as of July 1, 1977 1/
[Acres; dashes indicate none]

County	Land needing reclamation							Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
<u>Puerto Rico districts</u> (Groups of municipalities)									
6 Aguadilla	---	54	21	---	---	---	15	90	
1 Arecibo	---	144	56	---	---	---	40	240	
10 Barranquitas	---	50	20	---	---	---	14	84	
9 Bayamon	---	179	71	---	---	---	50	300	
16 Caguas	---	359	141	---	---	---	100	600	
17 Cayey	---	108	42	---	---	---	30	180	
4 Corozal	---	53	22	---	---	---	15	90	
13 Guayama	---	108	42	---	---	---	30	180	
12 Humacao	---	216	84	---	---	---	60	360	
3 Juana Diaz	---	216	84	---	---	---	60	360	
8 Mayaguez	---	108	42	---	---	---	30	180	
7 Manati	---	179	71	---	---	---	50	300	
15 Ponce	---	216	84	---	---	---	60	360	
11 Rio Grande	---	359	141	---	---	---	100	600	
9 San Juan	---	---	---	---	---	---	---	---	
5 San Sebastian	---	43	17	---	---	---	12	72	
14 San Serman	---	108	42	---	---	---	30	180	
2 Utuado	---	50	20	---	---	---	14	84	
<u>Other municipalities</u>									
St. Croix	---	---	---	---	---	---	---	---	
St. Thomas	---	---	---	---	---	---	---	---	
St. John	---	---	---	---	---	---	---	---	
Total	---	2,550	1,000	---	---	---	710	4,260	

1/Based on information from Soil Conservation Service state office

Table 12. -- Status of land disturbed by surface mining in Colorado as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Adams	---	520	---	---	600	---	1,320
Alamosa	---	207	---	---	50	5	394
Arapahoe	---	12	30	---	504	---	546
Archuleta	---	4	---	13	32	4	53
Baca	---	53	8	---	175	8	262
Bent	---	565	36	---	275	30	906
Boulder	3,000	500	100	---	5,000	1,000	15,100
Chaffee	---	90	495	---	95	205	885
Cheyenne	---	30	---	---	---	---	60
Clear Creek	---	7	289	---	3	75	374
Conejos	---	16	6	---	1	---	35
Costilla	---	8	15	---	---	---	23
Crowley	---	19	---	---	95	---	144
Custer	---	26	47	---	16	---	89
Delta	49	33	---	11	83	---	260
Denver	---	---	---	---	---	---	65
Dolores	---	65	100	---	5	5	180
Douglas	---	95	177	---	206	53	551
Eagle	---	120	180	---	24	20	404
Elbert	---	7	3	3	45	120	185
El Paso	3	197	---	---	250	93	593
Fremont	300	60	300	44	30	103	997
Garfield	45	40	10	46	65	10	286
Gilpin	---	---	107	---	8	10	125
Grand	---	62	40	---	102	40	373
Gunnison	75	30	140	10	50	30	335
Hinsdale	---	---	180	---	6	10	196
Huerfano	38	238	8	---	3	---	287
Jackson	202	172	190	200	30	---	854
Jefferson	---	640	358	---	735	145	1,998
Kiowa	---	160	---	---	42	---	202
Kit Carson	---	---	---	---	4	---	4
Lake	---	63	2,138	---	62	1,315	3,578
LaPlata	23	77	27	---	24	---	164
Larimer	---	1,016	2,902	---	630	719	6,667
Las Animas	657	3	62	3	---	---	727

Table 12. -- Status of land disturbed by surface mining in Colorado as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Lincoln-----	---	202	---	---	4	---	337
Logan-----	---	40	---	---	140	---	205
Mesa-----	10	150	180	4	100	30	619
Mineral-----	---	1	5	---	7	30	43
Moffat-----	---	150	100	50	240	---	740
Montezuma-----	---	30	125	---	135	75	395
Montrose-----	---	159	2,107	172	14	30	2,482
Morgan-----	---	50	30	---	160	---	270
Otero-----	---	51	---	---	33	5	105
Ouray-----	---	14	90	---	8	15	127
Park-----	---	---	920	---	40	5	965
Phillips-----	---	43	---	---	---	---	43
Pitkin-----	50	10	30	30	15	10	165
Prowers-----	---	624	---	---	240	---	1,184
Pueblo-----	---	279	55	---	51	18	403
Rio Blanco-----	---	88	2	---	252	---	383
Rio Grande-----	---	45	42	---	40	3	277
Routt-----	1,937	120	99	609	80	---	5,592
Saguache-----	---	50	700	---	40	180	1,250
San Juan-----	---	12	155	---	2	15	199
San Miguel-----	---	35	1,618	---	98	681	3,267
Sedgwick-----	---	97	---	---	---	---	97
Summit-----	---	20	650	---	80	800	1,980
Teller-----	---	---	1,000	---	19	620	1,639
Washington-----	---	275	---	---	---	---	290
Weld-----	700	648	5	---	620	---	2,398
Yuma-----	---	6	---	---	4	---	10
Total	7,089	8,334	15,861	1,195	11,672	6,513	64,687

1/Based on information from Soil Conservation Service state office

Table 13. -- Status of land disturbed by surface mining in Connecticut as of July 1, 1977, by counties 1/
[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Fairfield-----	---	5,585	---	---	---	2,500	8,085
Hartford-----	---	1,950	100	---	---	75	2,125
Litchfield-----	---	1,375	147	---	---	65	1,587
Middlesex-----	---	375	225	---	---	70	670
New Haven-----	---	2,800	200	---	---	1,200	4,200
New London-----	---	470	105	---	---	425	1,000
Toiland-----	---	1,370	10	---	---	120	1,500
Windham-----	---	2,815	---	---	---	135	2,950
Total	---	16,740	787	---	---	4,590	22,117

1/Based on information from Soil Conservation Service state office

Table 14. -- Status of land disturbed by surface mining in Delaware as of July 1, 1977, by counties 1/
[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Kent-----	---	1,187	---	---	---	198	1,385
New Castle-----	---	1,475	63	---	---	60	1,598
Sussex-----	---	250	---	---	---	1,240	1,490
Total	---	2,912	63	---	---	1,498	4,473

1/Based on information from Soil Conservation Service state office

Table 15. -- Status of land disturbed by surface mining in Florida as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
						Land not requiring reclamation	
Leon	---	20	405	---	---	---	500
Levy	---	2	153	---	---	---	155
Liberty	---	20	15	---	---	25	60
Madison	---	260	30	---	40	100	440
Manatee	---	---	410	---	15	25	465
Marion	---	2,150	2,220	---	---	200	4,570
Martin	---	140	---	---	5	60	205
Monroe	---	---	---	---	---	---	---
Nassau	---	65	2	---	300	---	367
Okaloosa	---	384	19	---	---	---	403
Okechobee	---	100	106	---	---	---	206
Orange	---	200	10	---	---	300	510
Osceola	---	---	---	---	---	---	---
Palm Beach	---	---	29,000	---	2,452	10,000	41,452
Pasco	---	40	20	---	---	50	110
Pinellas	---	150	---	---	---	---	150
Polk	---	350	130,650	---	250	6,000	149,390
Putnam	---	2,400	200	---	---	---	2,600
St. Johns	---	---	---	---	---	---	---
St. Lucie	---	40	40	---	40	40	160
Santa Rosa	---	---	182	---	---	---	182
Sarasota	---	100	80	---	230	100	710
Seminole	---	230	70	---	---	300	600
Sumter	---	30	1,590	---	---	2,450	4,070
Suwannee	---	215	1,650	---	---	---	1,865
Taylor	---	192	272	---	---	285	749
Union	---	---	10	---	---	---	10
Volusia	---	90	50	---	---	1,000	1,140
Wakulla	---	30	215	---	---	40	285
Walton	---	40	873	---	---	54	967
Washington	---	175	129	---	---	56	360
Total	---	11,162	235,700	---	3,365	20,922	332,415

1/Based on information from Soil Conservation Service state office

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Appling	--	--	--	--	--	--	--	
Atkinson	--	--	--	--	--	--	--	
Bacon	--	--	--	--	--	7	7	
Baker	--	--	--	--	--	--	--	
Baldwin	--	--	--	--	--	100	100	
Banks	--	--	--	--	--	31	31	
Barrow	--	--	1	--	--	--	1	
Bartow	--	--	--	--	--	559	1,601	
Ben Hill	--	--	--	--	--	--	--	
Berrien	--	60	--	--	--	--	60	
Bibb	--	89	161	--	44	242	803	
Bleckley	--	--	--	--	--	--	--	
Brantley	--	--	--	--	6	--	16	
Brooks	--	--	--	--	--	--	2	
Bryan	--	10	--	--	--	--	20	
Bulloch	--	--	35	--	--	--	300	
Burke	--	--	--	--	--	9	9	
Butts	--	--	--	--	--	--	--	
Calhoun	--	--	--	--	190	--	496	
Camden	--	50	--	--	--	--	150	
Candler	--	--	--	--	2	--	2	
Carroll	--	--	--	--	--	169	169	
Catoosa	--	115	--	--	--	--	115	
Charlton	--	50	--	--	--	75	1,780	
Chatham	--	50	10	--	366	--	500	
Chattahoochee	--	--	--	--	--	--	--	
Chattooga	--	--	--	430	--	--	75	
Cherokee	--	--	--	--	--	--	--	
Clarke	--	--	--	--	78	--	78	
Clay	--	--	--	--	--	--	--	
Clayton	--	--	--	--	117	--	117	
Clinch	--	--	--	--	--	--	--	
Cobb	--	--	--	--	132	--	132	
Coffee	--	--	--	--	13	--	13	
Colquitt	--	5	--	--	--	--	3	
Columbia	--	--	--	--	--	--	--	

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Cook	---	---	---	---	16	---	16
Coweta	---	14	---	---	77	---	91
Crawford	---	14	---	---	49	---	63
Crisp	---	---	---	---	---	---	---
Dade	680	126	95	165	---	---	1,399
Dawson	---	---	---	---	---	---	---
Decatur	---	---	405	---	6	292	708
De Kalb	---	---	---	---	410	---	733
Dodge	---	---	---	---	---	---	---
Dooly	---	---	---	---	---	---	---
Dougherty	---	70	---	---	50	---	175
Douglas	---	---	---	---	173	---	560
Early	---	---	---	---	---	---	---
Echols	---	---	---	---	---	---	---
Effingham	---	300	---	---	89	---	1,140
Elbert	---	---	---	---	---	24	24
Emanuel	---	---	---	---	---	---	---
Evans	---	---	---	---	---	46	46
Fannin	---	---	---	---	34	---	59
Fayette	---	---	---	---	---	240	240
Floyd	---	---	---	---	75	177	277
Forsyth	---	---	---	---	---	---	98
Franklin	---	---	---	---	---	---	---
Franklin	---	---	---	---	65	367	514
Gilmer	---	---	---	---	---	4	12
Glascok	---	---	4	---	10	55	90
Glynn	---	75	---	---	---	42	137
Gordon	---	25	25	---	---	46	403
Grady	---	---	---	---	133	---	133
Greene	---	---	---	---	445	---	465
Gwinnett	---	---	---	---	63	---	63
Habersham	---	---	---	---	254	---	254
Hall	---	---	---	---	---	---	55
Hancock	---	---	---	---	---	---	---
Haralson	---	---	---	---	---	---	---
Harris	---	---	---	---	---	---	---
Hart	---	---	---	---	---	53	64

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

County	Land needing reclamation										Total land disturbed
	Reclamation not required by any law					Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Heard	---	---	12	---	---	---	---	---	---	---	12
Henry	---	---	---	---	129	---	---	---	---	---	129
Houston	---	40	300	---	---	670	---	---	100	---	1,110
Irwin	---	---	---	---	---	---	---	---	---	---	---
Jackson	---	---	---	---	---	---	---	---	---	---	---
Jasper	---	---	30	---	---	35	---	---	89	---	154
Jeff Davis	---	---	---	---	---	---	---	---	---	---	---
Jefferson	---	---	45	---	---	---	---	72	10	---	127
Jenkins	---	---	---	---	---	---	---	---	---	---	---
Johnson	---	---	---	---	---	---	---	---	---	---	---
Jones	---	180	---	---	252	---	---	---	40	---	472
Lamar	---	---	---	---	---	---	---	---	---	---	---
Lanier	---	---	---	---	27	---	---	---	---	---	27
Laurens	---	---	---	---	200	---	---	---	---	---	200
Lee	---	---	---	---	---	---	---	---	---	---	---
Liberty	---	10	---	---	---	---	---	188	30	---	40
Lincoln	---	---	65	---	---	---	---	---	---	---	253
Long	---	10	---	---	17	---	---	---	23	---	50
Lowndes	---	40	25	---	101	---	---	---	40	---	206
Lumpkin	---	---	---	---	---	---	---	10	---	---	10
McDuffie	---	---	---	---	---	---	---	---	---	---	---
McIntosh	---	20	5	---	8	---	---	---	33	---	66
Macon	---	---	84	---	---	24	---	---	8	---	116
Madison	---	---	---	---	---	1	---	---	---	---	1
Marion	---	45	---	---	30	---	---	---	---	---	75
Meriwether	---	---	---	---	23	---	---	---	---	---	23
Miller	---	---	---	---	2	---	---	1	---	---	3
Mitchell	---	---	50	---	---	---	---	---	---	---	50
Monroe	---	75	---	---	127	---	---	---	---	---	202
Montgomery	---	---	---	---	35	---	---	---	---	---	35
Morgan	---	---	---	---	---	---	---	---	10	---	10
Murray	---	43	---	---	25	---	---	10	25	---	103
Muscogee	---	800	86	---	15	206	---	---	600	---	1,707
Newton	---	---	18	---	---	26	---	---	65	---	109
Oconee	---	---	---	---	---	---	---	---	---	---	---
Oglethorpe	---	---	---	---	---	---	---	---	---	---	---

[Acres; dashes indicate none]

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Paulding	---	---	---	---	---	10	10	
Peach	---	---	---	---	35	---	35	
Pickens	---	---	50	---	---	---	250	
Pierce	---	---	---	---	22	---	22	
Pike	---	---	---	---	13	---	13	
Polk	---	45	55	---	44	106	275	
Pulaski	---	---	---	---	---	---	---	
Putnam	---	---	---	---	---	---	---	
Quitman	---	---	50	---	---	64	164	
Rabun	---	---	---	---	---	50	70	
Randolph	---	---	23	---	---	5	28	
Richmond	---	250	300	---	30	1,200	1,980	
Rockdale	---	---	---	---	70	---	70	
Schley	---	---	---	---	---	---	---	
Screven	---	---	---	---	---	---	---	
Seminole	---	---	---	---	---	11	16	
Spalding	---	---	---	---	124	---	124	
Stephens	---	---	---	---	---	32	32	
Stewart	---	---	285	---	---	131	743	
Sumter	---	10	150	---	25	371	616	
Talbot	---	90	---	---	99	---	224	
Taliaferro	---	---	---	---	---	---	---	
Tattnall	---	---	---	---	---	---	---	
Taylor	---	242	---	---	46	---	288	
Telfair	---	---	---	---	4	---	9	
Terrell	---	---	---	---	---	---	---	
Thomas	---	25	25	---	75	279	554	
Tift	---	3	---	---	3	---	6	
Toombs	---	---	---	---	---	---	---	
Towns	---	20	8	---	---	---	40	
Treutlen	---	---	---	---	3	---	3	
Troup	---	---	10	---	80	---	115	
Turner	---	---	---	---	2	---	2	
Twiggs	---	---	10,000	---	40	2,514	15,704	
Union	---	---	---	---	---	68	86	
Upson	---	---	---	---	---	---	---	

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed
	Reclamation not required by any law					Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Walker-----	1,000	115	16	169	---	---	---	---	725	2,025	
Walton-----	---	---	---	---	46	---	---	---	---	46	
Ware-----	---	---	---	---	44	---	---	---	3	47	
Warren-----	---	30	---	---	---	185	---	---	50	265	
Washington---	---	30	1,500	---	10	1,560	---	---	1,500	4,600	
Wayne-----	---	---	---	---	32	---	---	---	---	32	
Webster-----	---	---	25	---	---	---	---	---	325	350	
Wheeler-----	---	---	---	---	32	---	---	---	---	32	
White-----	---	80	55	---	---	---	---	---	675	810	
Whitfield---	---	97	---	---	---	237	---	---	27	361	
Wilcox-----	---	---	---	---	---	---	---	---	---	---	
Wilkes-----	---	---	---	---	---	---	---	---	---	---	
Wilkinson---	---	---	10,000	---	---	2,799	---	---	---	---	
Worth-----	---	---	---	---	---	---	---	---	8,000	20,799	
Total	1,680	3,353	24,008	764	4,623	13,772	23,247	71,447			

1/Based on information from Soil Conservation Service state office

Table 17. -- Status of land disturbed by surface mining in Hawaii as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Sand and gravel	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Hawaii-----	---	---	5	---	---	---	---	---	5
Honolulu-----	---	10	105	---	---	---	---	---	115
Kauai-----	---	---	---	---	---	---	---	---	---
Mauai-----	---	5	5	---	---	---	---	---	10
Total	---	15	115	---	---	---	---	---	130

1/Based on information from Soil Conservation Service state office

Table 18. -- Status of land disturbed by surface mining in Idaho as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Ada	---	180	---	---	415	---	675
Adams	---	5	---	---	138	---	143
Bannock	---	472	---	---	300	---	772
Bear Lake	---	30	75	---	144	---	249
Beneviah	---	50	---	---	116	20	186
Bingham	---	250	---	---	358	---	608
Blaine	---	40	---	---	322	---	362
Boise	---	15	420	---	132	80	647
Bonner	---	60	---	---	132	---	302
Bonneville	---	1,500	---	---	437	---	3,237
Boundary	---	15	---	---	161	---	206
Butte	---	5	---	---	195	---	200
Camas	---	25	---	---	---	---	25
Canyon	---	185	---	---	302	---	487
Caribou	---	111	310	---	356	1,627	2,404
Cassia	---	750	---	---	1,606	---	2,426
Clark	---	10	30	---	414	---	454
Clearwater	---	5	---	---	36	---	41
Custer	---	5	100	---	5,673	1,514	7,292
Elmore	---	100	25	---	765	---	970
Franklin	---	20	---	---	141	---	161
Fremont	---	100	---	---	194	---	294
Gem	---	25	---	---	37	---	62
Gooding	---	105	25	---	804	---	934
Idaho	---	60	50	---	212	25	347
Jefferson	---	75	---	---	525	---	680
Jerome	---	10	---	---	485	---	575
Kootenai	---	35	---	---	257	---	292
Latah	---	100	60	---	223	---	383
Lemhi	---	10	80	---	276	---	366
Lewis	---	8	---	---	70	---	78
Lincoln	---	35	---	---	727	---	762
Madison	---	12	---	---	54	---	66
Minidoka	---	140	---	---	30	---	170
Nez Perce	---	20	---	---	35	---	135
Oneida	---	125	---	---	156	34	515
Owyhee	---	50	40	---	724	200	1,014

Table 18. -- Status of land disturbed by surface mining in Idaho as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Payette-----	---	55	---	---	50	---	---	105	
Power-----	---	90	---	---	175	---	80	345	
Shoshone-----	---	20	245	---	73	---	---	338	
Teton-----	---	12	---	---	42	---	150	204	
Twin Falls-----	---	180	---	---	656	---	---	836	
Valley-----	---	---	40	---	135	---	80	255	
Washington-----	---	---	---	---	117	---	80	197	
Total	---	5,100	1,500	---	18,200	3,500	2,500	30,800	

1/Based on information from Soil Conservation Service state office

Table 19. -- Status of land disturbed by surface mining in Illinois as of July 1, 1977 by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	15	55	
Alexander	---	5	5	---	10	---	23	
Bond	---	500	---	---	---	---	500	
Boone	---	90	65	---	---	---	155	
Brown	25	137	338	---	---	---	500	
Bureau	2,960	812	---	---	---	---	3,832	
Calhoun	---	---	3	---	---	---	3	
Carroll	---	---	---	---	175	145	418	
Cass	---	---	---	---	---	---	---	
Champaign	---	350	---	---	---	---	560	
Christian	---	10	40	---	---	120	170	
Clark	---	654	---	---	33	---	687	
Clay	---	---	160	---	---	40	225	
Clinton	---	7	---	---	39	---	117	
Coles	---	20	---	---	190	20	250	
Cook	---	520	640	---	460	---	1,700	
Crawford	---	---	---	---	---	---	200	
Cumberland	---	205	---	---	---	---	227	
De Kalb	---	10	---	---	50	---	70	
De Witt	---	100	---	---	50	25	175	
Douglas	---	---	---	100	50	---	170	
Du Page	---	35	---	---	866	80	1,227	
Edgar	---	---	---	---	---	---	---	
Edwards	---	---	---	---	---	---	---	
Effingham	---	20	120	---	---	---	160	
Fayette	---	25	---	---	70	---	95	
Ford	---	463	---	---	5	---	468	
Franklin	1,585	---	---	940	---	---	3,045	
Fulton	45,850	45	3,750	520	---	---	65,665	
Gallatin	500	80	---	800	---	---	2,180	
Greene	25	---	20	---	---	9	54	
Grundy	460	95	315	---	25	10	8,547	
Hamilton	---	---	---	---	---	---	---	
Hancock	---	20	50	---	---	---	70	
Hardin	101	3	340	---	---	---	447	
Henderson	---	18	---	---	62	---	105	

Table 19. -- Status of land disturbed by surface mining in Illinois as of July 1, 1977 by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation				Total land disturbed		
	Reclamation not required by any law		Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Henry	580	---	---	---	---	40	4,100
Iroquois	---	118	---	---	3	---	---
Jackson	2,858	2	120	988	3	69	3,000
Jasper	---	25	---	---	---	---	5
Jefferson	---	40	---	267	---	---	2,145
Jersey	---	---	---	---	---	10	2
Jo Daviess	---	100	120	---	---	---	50
Johnson	---	---	5	20	---	10	2
Kane	---	835	---	---	2,080	15	220
Kankakee	1,956	25	120	---	---	---	196
Kendall	---	419	119	---	12	5	295
Knox	11,434	35	---	9,841	71	---	---
Lake	---	77	60	---	370	---	581
La Salle	1,921	1,400	2,479	---	400	200	2,000
Lawrence	---	---	---	---	---	---	1,172
Lee	---	190	84	---	87	560	100
Livingston	---	123	1,153	---	50	375	1,034
Logan	50	30	25	---	140	---	100
McDonough	300	3	1	---	---	1	200
McHenry	---	2,214	45	---	1,121	---	576
McLean	---	1,181	375	---	---	---	---
Macon	---	300	---	---	300	40	200
Macoupin	325	---	---	280	---	450	10
Madison	438	40	---	---	396	---	---
Marion	---	---	50	---	---	---	150
Marshall	35	100	---	---	---	---	160
Mason	---	30	---	---	---	---	---
Massac	---	71	28	---	---	---	99
Menard	---	---	380	---	---	---	380
Mercer	---	---	---	---	200	---	200
Monroe	---	---	---	---	---	93	93
Montgomery	300	80	60	---	---	860	140
Morgan	---	---	---	---	10	---	---
Moultrie	---	30	---	---	4	---	15
Ogle	---	385	415	---	---	---	---
Peoria	500	500	---	500	---	100	8,100

Table 19. -- Status of land disturbed by surface mining in Illinois as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Perry-----	20,000	---	---	2,000	---	---	16,000	38,000
Piatt-----	---	30	---	---	80	---	---	110
Pike-----	---	50	35	---	---	---	---	85
Pope-----	---	2	2	14	---	---	14	32
Pulaski-----	---	5	15	---	10	120	7	157
Putnam-----	80	20	---	---	---	---	240	340
Randolph-----	2,387	5	7	7,689	---	---	1,000	11,088
Richland-----	---	---	---	---	---	---	36	36
Rock Island-----	---	---	---	---	320	---	40	360
St. Clair-----	769	---	555	7,380	100	150	6,248	15,202
Saline-----	4,510	---	---	6,950	---	---	200	11,660
Sangamon-----	---	---	---	---	160	---	---	160
Schuyler-----	643	3	5	---	10	---	850	1,511
Scott-----	---	---	---	---	40	30	80	150
Shelby-----	---	130	---	---	---	---	---	130
Stark-----	---	20	---	500	---	---	450	970
Stephenson-----	---	---	270	---	---	---	22	292
Tazewell-----	---	1,215	15	---	---	440	275	1,945
Union-----	---	---	---	---	10	---	345	355
Vermilion-----	2,547	110	620	---	---	---	2,750	6,027
Wabash-----	25	---	---	---	70	---	85	180
Warren-----	---	200	---	---	---	---	---	200
Washington-----	---	---	340	---	---	240	240	820
Wayne-----	---	5	---	---	---	---	---	5
White-----	---	---	---	---	---	---	---	---
Whiteside-----	---	10	---	---	150	300	60	520
Will-----	6,749	3,913	380	---	200	10	1,112	12,364
Williamson-----	8,763	---	---	2,110	---	---	8,563	19,436
Winnebago-----	---	1,665	463	---	---	---	---	2,128
Woodford-----	35	370	---	---	100	---	50	555
Total	118,711	20,330	14,192	40,899	8,582	4,557	88,860	296,131

1/Based on information from Soil Conservation Service state office

Table 20. -- Status of land disturbed by surface mining in Indiana as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	1	---	---	6	---	---	
Allen	---	80	75	---	75	250	200	
Bartholomew	---	---	---	---	80	40	---	
Benton	---	30	---	---	---	---	40	
Blackford	---	4	---	---	15	20	3	
Boone	---	---	---	---	---	---	100	
Brown	---	---	---	---	---	15	---	
Carroll	---	---	---	---	---	---	---	
Cass	---	960	---	---	---	---	151	
Clark	---	150	550	---	---	---	---	
Clay	---	---	---	11,945	---	---	5,000	
Clinton	---	5	---	---	---	---	2	
Crawford	2	405	---	---	135	---	---	
Daviess	1,342	10	---	648	50	---	150	
Dearborn	---	90	---	---	---	---	---	
Decatur	---	---	35	---	---	---	190	
De Kalb	---	200	17	---	---	---	277	
Delaware	---	442	79	---	---	---	151	
Dubois	---	---	---	318	---	---	---	
Elkhart	---	365	---	---	---	---	100	
Fayette	---	12	---	---	---	---	---	
Floyd	---	---	40	---	---	---	---	
Fountain	430	345	---	---	---	---	300	
Franklin	---	---	---	70	---	---	400	
Fulton	---	160	---	---	---	100	100	
Gibson	500	100	---	768	---	---	100	
Grant	---	---	40	---	---	---	---	
Greene	10,000	200	---	4,609	238	295	100	
Hamilton	---	---	---	---	---	---	2,000	
Hancock	---	24	---	---	---	---	150	
Harrison	---	270	320	---	70	---	183	
Hendricks	---	---	---	---	---	---	5	
Henry	---	---	10	---	---	---	219	
Howard	---	280	---	---	80	---	120	
Huntington	---	---	30	---	30	---	35	
Jackson	---	45	30	---	---	---	95	
	---	---	---	---	20	10	50	
	---	---	---	---	---	---	80	

Table 20. -- Status of land disturbed by surface mining in Indiana as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Jasper	---	222	---	---	---	---	222
Jay	---	---	---	---	40	80	320
Jefferson	---	---	35	---	---	15	100
Jennings	---	---	---	---	---	80	140
Johnson	---	---	---	---	---	---	295
Knox	1,200	200	---	2,406	600	---	5,206
Kosciusko	---	---	---	---	---	---	---
Lagrange	---	---	---	---	250	---	350
Lake	---	500	---	---	1,000	200	1,700
La Porte	---	400	100	---	---	---	1,500
Lawrence	---	---	3,000	---	---	---	3,000
Madison	---	---	149	---	---	---	457
Marion	---	1,018	---	---	600	---	2,318
Marshall	---	340	56	---	---	---	396
Martin	28	100	5	100	---	---	263
Miami	---	60	---	---	90	160	310
Monroe	---	---	1,147	---	---	---	1,147
Montgomery	---	50	---	---	---	---	80
Morgan	---	---	---	---	---	10	10
Morgan	---	160	---	---	---	---	160
Newton	---	583	141	---	---	39	763
Noble	---	---	---	---	---	---	50
Ohio	50	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---
Owen	1,895	100	200	---	---	---	2,995
Parke	---	200	40	---	---	40	966
Perry	185	---	---	112	---	400	732
Pike	2,200	---	---	26,355	---	---	34,555
Porter	---	95	---	---	---	---	95
Posey	---	---	---	---	---	---	96
Pulaski	---	---	---	---	---	---	55
Putnam	---	15	200	---	---	100	315
Randolph	---	105	70	---	---	---	400
Ripley	---	---	124	---	---	---	252
Rush	---	5	20	---	---	---	25
St. Joseph	---	800	---	---	---	---	1,413
Scott	---	---	2	---	---	50	62

Table 20. -- Status of land disturbed by surface mining in Indiana as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Shelby-----	---	5	10	---	---	---	564	579	
Spencer-----	600	---	---	1,000	---	---	2,500	4,100	
Starke-----	---	90	---	---	---	---	---	90	
Steuben-----	---	25	---	---	---	---	---	25	
Sullivan-----	---	---	---	17,197	160	---	---	17,357	
Switzerland-----	---	---	---	---	---	---	153	153	
Tippecanoe-----	---	853	---	---	---	---	---	853	
Tipton-----	---	---	---	---	---	---	---	---	
Union-----	---	1	2	---	---	---	---	3	
Vanderburgh-----	---	---	10	---	---	---	---	10	
Vermillion-----	---	65	---	4,053	---	---	785	4,903	
Vigo-----	2,500	1,200	---	3,000	300	---	4,200	11,200	
Wabash-----	---	150	---	---	200	---	75	425	
Warren-----	---	290	10	---	---	---	120	420	
Warrick-----	5,000	---	---	2,000	---	---	33,036	40,036	
Washington-----	---	5	---	---	---	---	95	100	
Wayne-----	---	---	---	---	40	---	60	100	
Wells-----	---	10	5	---	---	---	300	315	
White-----	---	---	---	---	---	---	360	360	
Whitley-----	---	---	---	---	97	---	11	108	
Total	25,882	11,875	6,522	74,581	4,176	1,894	64,711	189,641	

1/Based on information from Soil Conservation Service state office

Table 21. -- Status of land disturbed by surface mining in Iowa as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Adair	---	---	50	---	---	260	420
Adams	---	---	65	---	---	50	282
Allamakee	---	60	132	---	---	5	248
Appanoose	324	---	447	---	20	150	1,249
Audubon	---	50	---	---	60	---	110
Benton	---	35	295	---	5	60	495
Black Hawk	---	165	290	---	247	223	1,275
Boone	---	---	---	---	210	---	210
Bremer	---	2	---	---	47	65	114
Buchanan	---	12	128	---	130	229	639
Buena Vista	---	440	---	---	60	---	920
Butler	---	212	99	---	---	20	437
Calhoun	---	295	---	---	60	---	405
Carroll	---	140	---	---	30	---	200
Cass	---	40	160	---	---	100	340
Cedar	---	---	36	---	10	140	206
Cerro Gordo	---	400	366	---	210	472	2,496
Cherokee	---	451	---	---	63	---	514
Chickasaw	---	100	125	---	---	---	225
Clarke	---	---	---	---	30	---	110
Clay	---	393	---	---	147	---	590
Clayton	---	38	59	---	5	1	122
Clinton	---	130	---	---	794	---	924
Crawford	---	325	---	---	75	---	450
Dallas	30	50	---	---	117	20	257
Davis	450	---	---	---	5	65	520
Decatur	---	5	22	---	---	38	92
Delaware	---	40	60	---	70	235	605
Des Moines	---	---	44	---	45	55	378
Dickinson	---	550	---	---	250	---	950
Dubuque	---	8	48	---	4	20	80
Emme	---	10	---	---	60	---	70
Fayette	---	105	450	---	15	---	570
Floyd	---	50	55	---	30	90	325
Franklin	---	447	245	---	50	570	1,312
Fremont	---	15	45	---	---	60	130

Table 21. -- Status of land disturbed by surface mining in Iowa as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law					Reclamation required by law						
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Greene	---	---	---	---	250	---	---	---	---	---	100	350
Grundy	---	13	---	---	6	---	---	40	---	---	2	61
Guthrie	---	54	---	---	80	---	---	---	---	---	36	170
Hamilton	---	---	45	---	7	---	---	---	---	---	323	375
Hancock	---	75	25	---	350	---	---	50	---	---	30	530
Hardin	---	200	100	---	50	---	---	50	---	---	50	450
Harrison	---	30	50	---	100	---	---	177	---	---	180	537
Henry	---	100	120	---	---	---	---	---	---	---	30	250
Howard	---	53	33	---	19	---	---	66	---	---	15	186
Humboldt	---	377	208	---	---	---	---	211	---	---	84	880
Ida	---	20	---	---	---	---	---	---	---	---	---	20
Iowa	---	---	---	---	15	---	---	---	---	---	---	15
Jackson	---	21	---	---	347	---	---	---	---	---	---	368
Jasper	---	---	---	---	214	---	---	28	---	---	---	242
Jefferson	3	64	---	---	45	---	---	---	---	3	---	115
Johnson	---	44	168	---	60	---	---	200	---	2	---	474
Jones	---	100	60	---	60	---	---	30	---	140	---	390
Keokuk	160	20	30	---	20	---	---	210	---	60	---	500
Kossuth	---	---	---	---	200	---	---	---	---	100	---	300
Lee	---	---	---	---	---	---	---	---	---	---	---	---
Linn	---	---	---	---	70	---	---	335	---	40	---	445
Louisa	---	4	25	---	12	---	---	---	---	6	---	47
Lucas	300	50	---	---	40	---	---	---	---	100	---	530
Lyon	---	20	---	---	8	---	---	---	---	80	---	108
Madison	---	---	200	---	---	---	---	700	---	200	---	1,100
Mahaska	3,700	310	450	---	40	---	---	120	---	40	---	4,820
Marion	6,563	---	---	---	112	---	---	267	---	572	---	7,632
Marshall	---	122	---	---	348	---	---	352	---	50	---	872
Mills	---	---	114	---	39	---	---	84	---	---	---	237
Mitchell	---	140	90	---	20	---	---	140	---	70	---	460
Monona	---	---	---	---	147	---	---	---	---	16	---	163
Monroe	---	100	---	---	---	---	---	---	---	---	---	445
Montgomery	335	---	---	10	---	---	---	---	---	40	---	210
Muscatine	---	912	65	---	81	---	---	15	---	---	---	1,073
O'Brien	---	170	---	---	30	---	---	---	---	180	---	380
Osceola	---	161	---	---	63	---	---	---	---	70	---	294

Table 21. -- Status of land disturbed by surface mining in Iowa as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Page	5	6	---	---	81	94	194
Palo Alto	---	100	---	---	55	---	405
Plymouth	---	45	---	---	20	---	105
Pocahontas	---	---	---	---	---	---	289
Polk	---	98	---	---	315	---	515
Pottawattamie	---	70	215	---	180	---	727
Poweshiek	---	---	---	---	---	---	120
Ringgold	---	---	36	---	---	---	36
Sac	---	350	---	---	807	---	1,686
Scott	---	---	---	---	20	990	1,010
Shelby	---	75	---	---	80	---	155
Sioux	---	480	---	---	---	---	580
Story	---	10	---	---	312	---	464
Tama	---	---	46	---	15	---	266
Taylor	---	39	---	---	40	---	94
Union	---	20	---	---	30	40	120
Van Buren	331	---	247	---	45	38	701
Wapello	1,585	200	290	---	60	92	2,292
Warren	211	---	26	---	---	---	237
Washington	---	---	19	---	---	396	453
Wayne	---	---	---	---	43	---	57
Webster	---	76	427	13	251	966	3,836
Winnebago	---	103	---	---	31	45	179
Winneshek	---	12	56	---	---	---	260
Woodbury	---	340	---	---	150	---	490
Worth	---	15	5	---	150	190	385
Wright	---	380	---	---	90	---	565
Total	13,997	10,147	6,421	341	8,457	9,638	59,520

1/Based on information from Soil Conservation Service state office

Table 22. -- Status of land disturbed by surface mining in Kansas as of July 1, 1977, counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Allen	---	86	188	---	100	182	1,012
Anderson	---	92	124	---	---	73	289
Atchison	---	10	62	---	---	---	72
Barber	---	47	26	---	---	25	98
Barton	---	60	---	---	530	320	1,050
Bourbon	2,700	100	---	700	130	---	4,030
Brown	---	130	---	---	3	---	153
Butler	---	200	---	---	---	---	200
Chase	---	69	225	---	---	---	359
Chautauqua	---	40	---	---	---	---	40
Cherokee	13,985	---	1,800	15	---	---	23,000
Cheyenne	---	---	---	---	---	---	---
Clark	---	50	---	---	---	---	50
Clay	---	50	55	---	---	---	120
Cloud	---	564	---	---	---	---	564
Coffey	115	185	536	---	---	---	836
Comanche	---	10	2	---	16	---	38
Cowley	---	---	---	---	---	---	720
Crawford	20,000	---	80	100	---	---	23,180
Decatur	---	80	---	---	---	---	90
Dickinson	---	278	---	---	578	---	963
Doniphan	---	405	---	---	106	---	511
Douglas	4	143	312	---	---	480	939
Edwards	---	95	---	---	---	---	110
Elk	---	---	---	---	---	300	800
Ellis	---	200	500	---	---	---	800
Ellsworth	---	30	50	---	---	---	265
Finney	---	410	---	---	---	---	410
Ford	---	306	21	---	---	---	327
Franklin	10	7	80	---	---	230	450
Geary	---	10	25	---	20	10	170
Gove	---	10	30	---	35	10	180
Graham	---	75	---	---	2	---	90
Grant	---	10	10	---	---	---	100
Gray	---	185	21	---	135	---	341
Greeley	---	2	---	---	---	---	4

Table 22. --- Status of land disturbed by surface mining in Kansas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Greenwood	---	---	---	---	---	---	120
Hamilton	---	20	---	---	---	---	45
Harper	---	45	---	---	---	---	65
Harvey	---	---	---	---	---	---	243
Haskell	---	47	---	---	---	---	252
Hodgeman	---	23	---	---	35	---	73
Jackson	---	135	---	---	40	---	330
Jefferson	---	---	952	---	---	---	952
Jewell	---	50	300	---	---	80	590
Johnson	---	80	120	---	120	880	1,400
Kearny	---	74	---	---	151	---	225
Kingman	---	---	---	---	---	---	---
Kiowa	---	30	---	---	24	---	54
Labette	591	---	498	---	---	---	1,089
Lane	---	---	---	---	---	---	50
Leavenworth	---	---	---	---	---	300	300
Lincoln	---	400	---	---	100	---	500
Linn	2,725	30	---	---	---	---	3,075
Logan	---	114	10	---	---	---	124
Lyon	---	90	---	---	110	---	230
McPherson	---	920	360	---	230	50	1,860
Marion	---	---	---	---	---	---	420
Marshall	---	300	---	---	50	---	500
Meade	---	200	80	---	---	---	350
Miami	---	---	800	---	---	---	800
Mitchell	---	20	50	---	---	---	250
Montgomery	---	85	400	---	---	---	1,285
Morris	---	---	400	---	---	---	400
Morton	---	30	---	---	---	---	40
Nemaha	---	60	45	---	10	10	135
Neosho	---	360	---	---	500	---	1,160
Ness	---	40	---	---	---	---	180
Norton	---	82	28	---	---	---	110
Osage	1,126	280	2	---	---	---	1,408
Osborne	---	40	---	---	---	---	40
Ottawa	---	180	---	---	---	---	180

Table 22. -- Status of land disturbed by surface mining in Kansas as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Pawnee	---	10	---	---	134	---	144	
Phillips	---	15	40	---	---	---	55	
Pottawatomie	---	75	325	---	8	18	826	
Pratt	---	182	10	---	---	---	192	
Rawlins	---	170	---	---	---	---	220	
Reno	---	159	---	---	---	---	255	
Republic	---	55	---	---	---	---	130	
Rice	---	180	480	---	---	---	980	
Riley	---	2	15	---	2	20	76	
Rooks	---	80	2	---	---	---	82	
Rush	---	25	50	---	---	---	125	
Russell	---	127	---	---	45	---	207	
Saline	---	200	---	---	200	---	700	
Scott	---	12	---	---	---	19	31	
Sedgwick	---	372	---	---	---	598	970	
Seward	---	500	---	---	---	400	900	
Shawnee	---	160	380	---	20	680	1,380	
Sheridan	---	35	---	---	---	---	35	
Sherman	---	50	---	---	---	---	50	
Smith	---	105	---	---	---	---	105	
Stafford	---	10	---	---	30	---	55	
Stanton	---	---	---	---	---	---	---	
Stevens	---	190	---	---	---	19	209	
Summer	---	---	---	---	---	---	---	
Thomas	---	80	---	---	---	60	140	
Trego	---	172	---	---	20	10	202	
Wabaunsee	---	166	---	---	---	---	166	
Wallace	---	40	40	---	---	---	80	
Washington	---	140	43	---	65	2	325	
Wichita	---	59	---	---	---	---	59	
Wilson	---	---	372	---	---	---	432	
Woodson	---	80	160	---	---	---	240	
Wyandotte	---	25	50	---	85	308	542	
Total	41,256	11,150	10,159	815	3,634	3,978	91,109	

1/Based on information from Soil Conservation Service state office

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Adair	---	---	15	---	---	---	15
Allen	---	---	12	---	---	---	12
Anderson	---	---	---	---	---	---	---
Ballard	---	30	---	---	140	---	270
Barren	---	---	---	---	---	---	---
Bath	---	---	2	---	---	---	2
Bell	4,000	---	---	15,753	---	---	29,933
Boone	---	---	---	---	582	---	628
Bourbon	---	---	---	---	---	---	---
Boyd	400	---	50	250	---	25	1,125
Boyle	---	---	---	---	---	---	---
Bracken	---	---	---	---	---	---	---
Breathitt	1,385	---	---	5,216	---	---	7,430
Breckinridge	---	---	195	---	---	---	14,031
Bullitt	---	40	---	---	315	---	195
Butler	190	10	---	1,150	40	---	395
Caldwell	---	---	70	---	---	---	3,225
Calloway	---	20	---	---	35	---	70
Campbell	---	---	---	---	---	---	---
Carlisle	---	110	---	---	140	100	450
Carroll	---	---	---	---	130	---	130
Carter	300	100	200	3,400	300	800	9,800
Casey	---	---	---	---	---	---	---
Christian	600	---	---	600	---	---	1,500
Clark	---	---	---	---	---	---	---
Clay	3,000	---	---	3,695	---	---	6,695
Clinton	32	35	---	---	35	---	169
Crittenden	---	---	---	---	---	---	75
Cumberland	---	---	---	---	30	---	30
Davies	1,000	20	130	500	---	---	4,850
Edmonson	150	---	200	50	---	---	6,500
Elliott	100	---	---	250	---	---	900
Estill	---	---	---	---	---	---	1,850
Fayette	---	---	---	---	---	---	---
Fleming	---	---	50	---	---	10	---
Floyd	3,000	---	---	2,100	---	---	80
							1,200
							6,300

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Franklin	---	---	---	---	---	---	---
Fullton	---	---	---	---	100	100	200
Gallatin	---	50	---	---	40	---	90
Garrard	---	---	---	---	---	10	12
Grant	---	---	---	---	---	---	---
Graves	---	74	126	---	---	---	308
Green	10	5	---	15	5	---	100
Greenup	---	---	---	---	---	---	50
Hancock	200	---	100	500	---	50	1,050
Hancock	600	100	40	75	---	20	1,175
Hardin	---	---	225	---	---	---	225
Hart	8,000	---	200	5,300	---	---	20,336
Harrison	---	---	---	---	52	---	52
Hart	---	---	---	---	---	---	---
Henderson	---	---	---	---	---	---	---
Henry	---	---	---	---	---	---	---
Henry	---	---	---	---	---	---	---
Hickman	---	9	---	---	9	---	20
Hopkins	1,350	---	1,165	8,890	---	---	25,895
Jackson	125	---	10	1,445	25	75	1,780
Jefferson	---	---	20	---	---	30	80
Jessamine	---	---	---	---	---	---	---
Johnson	525	---	---	7,700	---	---	9,100
Kenton	---	---	---	---	---	---	---
Knott	9,702	---	---	---	---	---	---
Knott	12,000	---	10	3,000	---	---	12,124
Knott	---	---	---	---	---	---	16,010
Larue	---	2	---	---	---	---	2
Laurel	2,377	---	---	5,000	---	---	12,377
Lawrence	350	---	---	2,500	---	---	5,950
Lee	160	---	---	849	---	---	1,021
Leslie	6,095	---	---	---	---	---	7,170
Letcher	3,361	4	---	9,652	---	---	14,017
Lewis	---	---	---	---	---	---	---
Lincoln	---	---	---	---	---	---	---
Livingston	---	50	---	---	100	1,050	1,275
Logan	---	---	---	---	---	---	---
Lyon	---	---	---	---	---	---	---

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
McCracken	---	50	---	---	---	---	190
McCreary	1,100	---	---	200	---	---	1,600
McLean	150	10	---	1,790	---	---	1,990
Madison	---	---	---	---	---	---	---
Magoffin	200	---	---	4,400	---	---	5,600
Marion	---	---	---	---	30	---	70
Marshall	---	---	---	---	---	---	---
Martin	850	---	---	11,150	10	---	13,800
Mason	---	---	20	---	---	10	40
Meade	---	---	10	---	---	270	270
Menifee	8	---	---	65	---	20	158
Mercer	---	---	---	---	---	---	---
Metcalfe	---	---	---	---	---	---	---
Monroe	---	---	---	---	---	---	---
Montgomery	---	---	---	---	---	---	---
Morgan	200	---	---	3,000	---	---	3,700
Muhlenberg	9,000	60	---	6,000	123	---	50,308
Nelson	---	---	---	---	---	---	---
Nicholas	---	---	---	---	---	---	---
Ohio	5,000	100	---	3,000	---	---	32,100
Oldham	---	1	---	---	3	10	14
Owen	---	---	---	---	---	---	---
Owsley	210	---	---	1,325	---	---	1,750
Pendleton	---	---	---	---	---	---	---
Perry	15,640	---	---	---	---	---	20,850
Pike	1,500	---	---	27,318	---	---	29,318
Powell	---	50	328	---	15	150	811
Pulaski	504	---	---	626	---	---	2,322
Robertson	---	---	---	---	---	---	---
Rockcastle	55	50	350	583	---	---	1,300
Rowan	---	---	940	---	---	---	1,040
Russell	---	---	---	---	---	---	---
Scott	---	---	---	---	---	---	---
Shelby	---	---	---	---	---	---	15
Simpson	---	---	45	---	---	---	45
Spencer	---	---	---	---	---	---	---

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Taylor-----	---	---	---	---	---	60	---
Todd-----	---	---	---	---	---	---	---
Trigg-----	---	---	---	---	25	---	15
Trimble-----	---	---	---	---	---	---	---
Union-----	604	---	129	---	---	---	275
Warren-----	---	---	---	---	---	---	---
Washington-----	---	---	20	---	---	---	---
Wayne-----	233	---	---	176	15	---	492
Webster-----	1,623	---	---	---	---	---	741
Whitley-----	5,585	---	---	15,900	---	---	11,925
Wolfe-----	163	---	---	795	---	---	185
Woodford-----	---	---	---	---	---	---	---
Total	101,637	980	4,712	154,218	2,299	2,780	154,495

1/Based on information from Soil Conservation Service state office.

Table 24. --- Status of land disturbed by surface mining in Louisiana as of July 1, 1977, by parishes 1/
 [Acres; dashes indicate none]

Parish (Equivalent to County)	Land needing reclamation				Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law		Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	
Acadia	---	---	---	---	---	---
Allen	---	216	---	---	---	222
Ascension	---	---	---	---	---	---
Assumption	---	---	---	---	---	---
Avoyelles	---	---	---	---	---	---
Beauregard	---	380	---	---	---	10
Bienville	---	225	---	---	---	75
Bossier	---	725	50	---	---	---
Caddo	---	---	---	---	---	50
Calcasieu	---	33	---	---	---	27
Caldwell	---	---	50	---	---	10
Cameron	---	36	---	---	---	120
Catahoula	---	979	---	---	---	---
Claiborne	---	200	---	---	---	---
Concordia	---	---	---	---	---	250
De Soto	---	250	---	---	---	350
East Baton Rouge	---	465	---	---	---	215
East Carroll	---	---	---	---	---	10
East Feliciana	---	720	---	---	---	30
Evangeline	---	163	---	---	---	---
Franklin	---	---	---	---	---	---
Grant	---	300	10	---	---	50
Iberia	---	---	---	---	---	---
Iberville	---	25	---	---	---	---
Jackson	---	---	---	---	---	285
Jefferson	---	---	---	---	---	---
Jefferson Davis	---	1,055	---	---	---	---
Lafayette	---	---	---	---	---	10
Lafourche	---	---	---	---	---	10
La Salle	---	1,300	---	---	---	200
Lincoln	---	95	105	---	---	125
Livingston	---	1,100	---	---	---	175
Madison	---	45	---	---	---	50
Morehouse	---	10	---	---	---	341
Natchitoches	---	40	---	---	---	40
Orleans	---	---	---	---	---	---

Table 24. --- Status of land disturbed by surface mining in Louisiana as of July 1, 1977, by parishes (continued) 1/
 [Acres; dashes indicate none]

Parish (Equivalent to County)	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law		Reclamation required by law		Other mined areas			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Ouachita-----	---	2,000	1,000	---	---	---	1,900	4,900
Plaquemines-----	---	---	---	---	---	---	---	---
Pointe Coupee-----	---	---	---	---	---	---	---	---
Rapides-----	---	7,683	518	---	---	---	2,173	10,374
Red River-----	---	200	---	---	---	---	140	340
Richland-----	---	---	---	---	---	---	---	---
Sabine-----	---	75	---	---	---	---	100	175
St. Bernard-----	---	---	---	---	---	---	---	---
St. Charles-----	---	---	---	---	---	---	---	---
St. Helena-----	---	4,700	120	---	---	---	320	5,140
St. James-----	---	---	---	---	---	---	---	---
St. John the Baptist-----	---	---	---	---	---	---	---	---
St. Landry-----	---	20	---	---	---	---	---	20
St. Martin-----	---	---	---	---	---	---	---	---
St. Mary-----	---	---	100	---	---	---	35	135
St. Tammany-----	---	---	---	---	---	---	860	860
Tangipahoa-----	---	8,960	500	---	---	---	1,060	10,520
Tensas-----	---	---	---	---	---	---	---	---
Terrebonne-----	---	---	---	---	---	---	---	---
Union-----	---	500	---	---	---	---	600	1,100
Vermilion-----	---	41	---	---	---	---	---	41
Vernon-----	---	20	---	---	---	---	20	40
Washington-----	---	400	---	---	---	---	500	900
Webster-----	---	3,961	---	---	---	---	---	3,961
West Baton Rouge-----	---	---	96	---	---	---	---	96
West Carroll-----	---	---	---	---	---	---	---	---
West Feliciana-----	---	380	---	---	---	---	20	400
Winn-----	---	25	---	---	---	---	285	310
Total	---	37,324	2,549	---	---	---	10,467	50,340

1/Based on information from Soil Conservation Service state office

Table 25. -- Status of land disturbed by surface mining in Maine as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none.]

County	Land needing reclamation							Total land disturbed
	Reclamation not required by any law			Reclamation required by law			Land not requiring reclamation	
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Androscoggin-----	---	600	250	---	760	650	250	2,510
Aroostook-----	---	1,706	56	---	220	38	628	2,648
Cumberland-----	---	2,500	---	---	220	---	500	3,220
Franklin-----	---	525	100	---	25	---	625	1,275
Hancock-----	---	820	70	---	---	10	50	950
Kennebec-----	---	3,652	100	---	---	---	2,000	5,752
Knox-----	---	3,605	625	---	58	---	46	4,334
Lincoln-----	---	4,120	67	---	26	---	16	4,229
Oxford-----	---	1,000	300	---	50	---	100	1,450
Penobscot-----	---	3,380	---	---	500	---	50	3,930
Piscataquis-----	---	700	25	---	---	---	9	734
Sagadahoc-----	---	200	200	---	300	200	200	1,100
Somerset-----	---	1,175	100	---	100	25	1,200	2,600
Waldo-----	---	990	30	---	10	---	1,020	2,050
Washington-----	---	760	52	---	24	---	---	836
York-----	---	3,100	100	---	---	---	100	3,300
Total	---	28,833	2,075	---	2,293	923	6,794	40,918

1/Based on information from Soil Conservation Service state office

Table 26. -- Status of land disturbed by surface mining in Maryland as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed
	Reclamation not required by any law					Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation				
Allegany-----	2,344	30	120	2,811	30	---	1,150			6,485	
Anne Arundel-----	---	1,399	---	---	1,409	---	1,932			4,740	
Baltimore-----	---	898	300	---	1,500	502	1,128			4,328	
Calvert-----	---	400	---	---	600	100	50			1,150	
Caroline-----	---	360	---	---	30	---	40			430	
Carroll-----	---	---	---	---	---	64	190			254	
Cecil-----	---	---	---	---	1,750	355	1,125			3,230	
Charles-----	---	1,352	---	---	1,213	---	---			2,565	
Dorchester-----	---	50	---	---	---	---	265			315	
Frederick-----	---	---	---	---	---	100	1,268			1,368	
Garrett-----	4,068	40	205	2,892	29	70	2,683			9,987	
Harford-----	---	391	86	---	---	---	2,683			3,160	
Howard-----	---	---	---	---	---	39	1,960			1,999	
Kent-----	---	34	---	---	---	---	78			112	
Montgomery-----	---	160	40	---	236	284	270			990	
Prince Georges-----	---	1,000	---	---	1,953	70	2,250			5,273	
Queen Annes-----	---	171	---	---	129	---	57			357	
St. Marys-----	---	155	---	---	165	---	260			580	
Somerset-----	---	---	---	---	350	---	100			450	
Talbot-----	---	148	---	---	---	---	634			782	
Washington-----	---	---	430	---	---	150	---			580	
Wicomico-----	---	36	---	---	231	---	1,156			1,423	
Worcester-----	---	806	---	---	116	---	545			1,467	
Total	6,412	7,430	1,181	5,703	9,741	1,734	19,824			52,025	

1/Based on information from Soil Conservation Service state office

Table 27. -- Status of land disturbed by surface mining in Massachusetts as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed	
	Reclamation not required by any law					Reclamation required by law						
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Other mined areas	Sand and gravel	Coal mines	Other mined areas		Land not requiring reclamation
Barnstable	---	2,000	1,200	---	---	---	---	---	---	---	25	3,225
Berkshire	---	1,860	359	---	---	---	---	---	---	---	200	2,419
Bristol	---	6,500	2,000	---	---	---	---	---	---	---	75	8,575
Dukes	---	75	121	---	---	---	---	---	---	---	---	196
Essex	---	2,650	900	---	---	---	---	---	---	---	2,300	5,850
Franklin	---	600	100	---	---	---	---	---	---	---	1,700	2,400
Hampden	---	1,700	100	---	---	---	---	---	---	---	1,500	3,300
Hampshire	---	450	50	---	---	---	---	---	---	---	1,000	1,500
Middlesex	---	3,900	2,340	---	---	---	---	---	---	---	1,500	7,740
Nantucket	---	65	60	---	---	---	---	---	---	---	---	125
Norfolk	---	2,800	2,100	---	---	---	---	---	---	---	1,950	6,850
Plymouth	---	2,000	1,000	---	---	---	---	---	---	---	500	3,500
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---
Worcester	---	7,441	---	---	---	---	---	---	---	---	1,000	8,441
Total	---	32,041	10,330	---	---	---	---	---	---	---	11,750	54,121

1/Based on information from Soil Conservation Service state office

Table 28. -- Status of land disturbed by surface mining in Michigan as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law		Reclamation required by law		Other mined areas			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alcona	---	420	---	---	---	---	140	560
Alger	---	150	---	---	---	---	---	150
Allegan	---	125	15	---	---	---	120	260
Alpena	---	40	20	---	---	---	900	960
Antrim	---	400	120	---	---	---	160	680
Arenac	---	85	---	---	415	---	45	545
Baraga	---	75	---	---	---	---	---	75
Barry	---	900	50	---	800	75	150	1,975
Bay	---	120	---	---	---	---	---	120
Benzie	---	20	---	---	---	---	5	25
Berrien	---	1,200	---	---	600	---	50	1,850
Branch	---	80	10	---	---	---	220	310
Calhoun	---	290	---	---	---	---	60	350
Cass	---	85	---	---	---	---	40	125
Charlevoix	---	1,000	500	---	---	---	---	1,500
Cheboygan	---	350	60	---	---	---	338	748
Chippewa	---	730	500	---	---	---	100	1,330
Clare	---	1,080	---	---	---	---	280	1,360
Clinton	---	1,290	---	---	1,290	---	---	2,580
Crawford	---	87	---	---	6	---	---	113
Delta	---	116	---	---	---	---	280	396
Dickinson	---	200	5,000	---	---	---	40	5,240
Eaton	---	5,200	300	---	200	300	500	6,500
Emmet	---	1,000	500	---	---	---	---	1,500
Genesee	---	160	---	---	20	---	350	530
Gladwin	---	245	---	---	---	---	---	245
Gogebic	---	20	120	---	---	---	45	185
Grand Traverse	---	52	---	---	---	---	---	52
Gratiot	---	713	---	---	---	---	462	1,175
Hillsdale	---	20	---	---	420	---	420	860
Houghton	---	100	700	---	---	---	50	850
Huron	---	1,000	700	---	---	---	40	1,740
Ingham	15	275	10	---	---	---	270	570
Ionia	---	100	---	---	150	---	100	350
Iosco	---	250	2,025	---	---	---	460	2,735
Iron	---	440	40	---	100	---	140	720

Table 28. -- Status of land disturbed by surface mining in Michigan as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Isabelle	--	30	--	--	--	--	100
Jackson	2	1,200	100	--	--	--	885
Kalamazoo	--	700	--	--	--	--	150
Kalkaska	--	280	100	--	--	--	100
Kent	--	320	--	--	140	--	2,404
Keweenaw	--	50	150	--	--	--	25
Lake	--	260	--	--	56	--	20
Lapeer	--	--	--	--	--	--	1,000
Leelanau	--	100	--	--	--	--	45
Lenawee	--	--	12	--	--	--	324
Livingston	--	292	--	--	3,000	--	500
Luce	--	--	--	--	90	--	10
Mackinac	--	--	1,100	--	60	--	--
Macomb	--	220	--	--	1,620	--	200
Manistee	--	205	--	--	90	--	65
Marquette	--	700	5,000	--	--	--	6,000
Mason	--	220	200	--	450	--	230
Mecosta	--	1,000	--	--	--	--	--
Menominee	--	--	--	--	--	--	--
Midland	--	--	--	--	--	--	--
Missaukee	--	40	--	--	160	--	700
Monroe	--	200	400	--	160	2,867	1,200
Montcalm	--	830	--	--	--	--	60
Montmorency	--	40	--	--	--	--	20
Muskegon	--	160	100	--	--	--	50
Newaygo	--	520	--	--	50	--	40
Oakland	--	1,500	--	--	3,580	--	640
Oceana	--	245	--	--	5	--	125
Ogemaw	--	756	--	--	--	--	250
Ontonagon	--	85	--	--	--	--	15
Osceola	--	140	20	--	225	80	80
Oscoda	--	150	--	--	--	--	50
Ostego	--	190	400	--	80	--	205
Ottawa	--	2,000	--	--	--	--	--
Presque Isle	--	210	2,900	--	--	--	800

Table 28. -- Status of land disturbed by surface mining in Michigan as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation									
	Reclamation not required by any law					Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	Total land disturbed
Roscommon-----	---	120	---	---	15	---	---	---	37	172
Saginaw-----	100	600	100	---	400	---	100	---	150	1,450
St. Clair-----	---	600	---	---	---	---	---	---	2,000	2,600
St. Joseph-----	---	200	15	---	---	---	---	---	40	295
Sanilac-----	---	280	1,300	---	---	---	---	---	---	1,580
Schoolcraft-----	---	---	275	---	50	---	---	---	7	332
Shiawassee-----	25	655	340	---	---	---	---	---	760	1,780
Tuscola-----	---	4,000	200	---	---	---	---	---	1,200	5,400
Van Buren-----	---	360	---	---	---	---	---	---	---	360
Washtenaw-----	---	1,160	---	---	240	---	---	---	---	1,400
Wayne-----	---	238	40	---	900	---	650	---	278	2,106
Wexford-----	---	150	---	---	290	---	---	---	1,050	1,490
Total	142	39,424	23,422	---	15,362	---	4,072	---	27,600	110,322

1/Based on information from Soil Conservation Service state office

Table 29. -- Status of land disturbed by surface mining in Minnesota as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Aitkin-----	---	---	---	---	1,000	100	1,000	2,100
Anoka-----	---	125	50	---	---	---	550	725
Becker-----	---	888	---	---	2	---	100	990
Beltrami-----	---	---	---	---	150	---	40	190
Benton-----	---	100	50	---	---	---	100	250
Big Stone-----	---	225	60	---	---	---	120	405
Blue Earth-----	---	470	160	---	---	---	---	630
Brown-----	---	88	---	---	378	---	40	506
Carlton-----	---	473	---	---	---	---	659	1,132
Carver-----	---	283	---	---	---	---	61	344
Cass-----	---	98	---	---	---	---	152	250
Chippewa-----	---	205	---	---	---	---	15	220
Chisago-----	---	100	---	---	---	---	25	125
Clay-----	---	2,200	---	---	---	---	2,700	4,900
Clearwater-----	---	---	---	---	200	---	50	250
Cook-----	---	100	---	---	---	---	60	160
Cottonwood-----	---	20	---	---	70	---	110	200
Crow Wing-----	---	1,100	---	---	800	---	3,800	5,700
Dakota-----	---	150	---	---	750	---	---	400
Dodge-----	---	20	---	---	---	---	166	186
Douglas-----	---	100	---	---	---	---	---	100
Faribault-----	---	234	---	---	---	---	60	294
Fillmore-----	---	200	7,000	---	80	---	1,000	8,280
Freeborn-----	---	3,600	---	---	---	260	200	3,800
Goodhue-----	---	---	100	---	40	---	100	500
Grant-----	---	1,400	---	---	---	---	10	1,410
Hennepin-----	---	300	285	---	1,500	---	200	2,000
Houston-----	---	---	---	---	120	975	---	1,380
Hubbard-----	---	10	---	---	---	---	10	20
Isanti-----	---	900	---	---	---	---	---	900
Itasca-----	---	300	9,300	---	---	---	19,400	29,000
Jackson-----	---	68	---	---	50	---	60	178
Kanabec-----	---	90	10	---	---	---	57	157
Kandiyohi-----	---	488	---	---	---	---	77	565
Kittson-----	---	1,160	---	---	---	---	160	1,320
Koochiching-----	---	805	---	---	---	---	50	855

Table 29. -- Status of land disturbed by surface mining in Minnesota as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed	
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
						Land not requiring reclamation		
Lac qui Parle-----	---	300	---	---	175	25	40	540
Lake-----	---	140	---	---	---	---	100	240
Lake of the Woods-----	---	100	---	---	---	---	50	150
Le Sueur-----	---	240	25	---	---	---	---	265
Lincoln-----	---	82	---	---	43	---	170	295
Lyon-----	---	---	---	---	1,093	---	83	1,176
McLeod-----	---	160	---	---	800	---	200	1,160
Mahnomen-----	---	10	---	---	10	---	5	25
Marshall-----	---	244	---	---	345	---	352	941
Martin-----	---	400	---	---	---	---	100	500
Meeker-----	---	40	---	---	10	---	10	60
Millie Lacs-----	---	72	12	---	---	---	38	122
Morrison-----	---	500	---	---	---	---	1,500	2,000
Mower-----	---	40	986	---	---	---	40	1,066
Murray-----	---	275	---	---	490	---	275	1,040
Nicollet-----	---	60	---	---	30	---	50	140
Nobles-----	---	390	---	---	135	---	269	794
Norman-----	---	121	---	---	444	---	200	765
Olmsted-----	---	100	300	---	225	75	600	1,300
Otter Tail-----	---	169	---	---	---	---	110	279
Pennington-----	---	75	---	---	---	---	25	100
Pine-----	---	170	---	---	---	---	40	210
Pipestone-----	---	250	---	---	---	---	8	258
Polk-----	---	200	---	---	495	---	1,860	2,555
Pope-----	---	100	---	---	---	---	25	125
Ramsey-----	---	341	148	---	---	---	113	602
Red Lake-----	---	50	---	---	---	---	20	70
Redwood-----	---	180	---	---	---	---	20	200
Renville-----	---	525	20	---	---	---	---	545
Rice-----	---	1,500	---	---	---	---	200	1,700
Rock-----	---	354	49	---	165	---	362	930
Roseau-----	---	50	---	---	---	---	25	75
St. Louis-----	---	200	26,000	---	1,240	6,400	26,120	59,960
Scott-----	---	274	63	---	28	1	90	456
Sherburne-----	---	200	---	---	1,100	---	200	1,500
Sibley-----	---	---	---	---	---	---	62	62

Table 29. -- Status of land disturbed by surface mining in Minnesota as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Stearns-----	---	300	100	---	---	---	100	500
Steele-----	---	783	40	---	---	---	217	1,040
Stevens-----	---	153	---	---	---	---	106	259
Swift-----	---	300	---	---	200	---	150	650
Todd-----	---	146	---	---	---	---	150	296
Traverse-----	---	112	---	---	---	---	185	297
Wabasha-----	---	126	19	---	---	---	161	306
Wadena-----	---	60	---	---	---	---	6	66
Waseca-----	---	14	1	---	10	---	20	45
Washington-----	---	---	---	---	260	25	170	455
Watonwan-----	---	900	---	---	300	---	500	1,700
Wilkin-----	---	1,060	---	---	---	---	50	1,110
Winona-----	---	1	23	---	6	30	110	170
Wright-----	---	1,800	---	---	200	---	200	2,200
Yellow Medicine-----	---	80	---	---	---	---	300	380
Total	---	30,047	44,801	---	12,444	7,891	66,919	162,102

1/Based on information from Soil Conservation Service state office

Table 30. -- Status of land disturbed by surface mining in Mississippi as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	600	---	---	---	---	660	
Alcorn	---	20	35	---	---	---	65	
Amite	---	325	---	---	---	---	340	
Attala	---	10	30	---	---	---	40	
Benton	---	22	---	---	---	---	22	
Bolivar	---	12	---	---	---	---	12	
Calhoun	---	55	---	---	---	92	147	
Carroll	---	1,820	60	---	---	885	2,765	
Chickasaw	---	100	---	---	---	3	103	
Choctaw	---	28	---	---	---	---	28	
Clairborne	---	200	---	---	---	50	250	
Clarke	---	390	25	---	---	200	615	
Clay	---	403	98	---	---	38	539	
Coahoma	---	43	---	---	---	---	43	
Copiah	---	3,200	---	---	---	550	3,750	
Covington	---	180	100	---	---	425	705	
De Soto	---	1,178	---	---	---	3,215	4,393	
Forrest	---	850	350	---	---	200	1,400	
Franklin	---	238	24	---	---	57	319	
George	---	155	23	---	---	50	228	
Greene	---	105	25	---	---	28	158	
Grenada	---	604	---	---	---	318	922	
Hancock	---	160	10	---	---	100	270	
Harrison	---	600	400	---	---	---	1,000	
Hinds	---	1,400	850	---	---	150	2,400	
Holmes	---	1,900	130	---	---	400	2,430	
Humphreys	---	---	180	---	---	20	200	
Issaquena	---	---	2	---	---	2	4	
Itawamba	---	1,470	680	---	---	200	2,350	
Jackson	---	375	75	---	---	---	450	
Jasper	---	90	---	---	---	20	110	
Jefferson	---	8	---	---	---	10	18	
Jefferson Davis	---	550	20	---	---	175	745	
Jones	---	201	---	---	---	20	221	
Kemper	---	---	245	---	---	---	245	
Lafayette	---	33	---	---	---	---	33	

Table 30. -- Status of land disturbed by surface mining in Mississippi as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Lamar	---	1,800	180	---	---	---	2,580
Lauderdale	---	350	200	---	---	600	650
Lawrence	---	240	---	---	---	100	240
Leake	---	80	---	---	---	80	160
Lee	---	150	90	---	---	20	260
Leflore	---	---	---	---	---	---	---
Lincoln	---	1,590	---	---	---	300	1,890
Lowndes	---	5,475	373	---	---	3,000	8,848
Madison	---	70	---	---	---	---	70
Marion	---	440	---	---	---	30	470
Marshall	---	200	225	---	---	---	425
Monroe	---	3,923	681	---	---	440	5,044
Montgomery	---	83	2	---	---	104	189
Neshoba	---	100	---	---	---	15	115
Newton	---	175	---	---	---	175	350
Noxubee	---	15	325	---	---	---	340
Oktibbeha	---	80	30	---	---	40	150
Panola	---	3,660	425	---	---	413	4,498
Pearl River	---	189	3	---	---	192	192
Perry	---	800	---	---	---	300	1,100
Pike	---	335	---	---	---	125	460
Pontotoc	---	88	15	---	---	35	138
Prentiss	---	75	---	---	---	150	225
Quitman	---	---	---	---	---	---	---
Rankin	---	1,000	250	---	---	400	1,650
Scott	---	205	5	---	---	15	225
Sharkey	---	15	15	---	---	25	55
Stimpson	---	180	---	---	---	---	180
Smith	---	260	760	---	---	143	1,163
Stone	---	1,000	---	---	---	20	1,020
Sunflower	---	---	---	---	---	---	---
Tallahatchie	---	261	---	---	---	---	261
Tate	---	400	---	---	---	50	450
Tippah	---	100	200	---	---	25	325
Tishomingo	---	500	---	---	---	---	500
Tunica	---	8	---	---	---	8	16

Table 30. --- Status of land disturbed by surface mining in Mississippi as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Union-----	---	98	---	---	---	---	60	158	
Walton-----	---	637	---	---	---	---	---	637	
Warren-----	---	695	30	---	---	---	30	755	
Washington-----	---	320	---	---	---	---	---	320	
Wayne-----	---	400	300	---	---	---	---	700	
Webster-----	---	19	---	---	---	---	4	23	
Wilkinson-----	---	200	---	---	---	---	20	220	
Winston-----	---	25	350	---	---	---	25	400	
Yalobusha-----	---	910	---	---	---	---	210	1,120	
Yazoo-----	---	1,490	---	---	---	---	160	1,650	
Total	---	45,966	7,821	---	---	---	14,415	68,202	

1/Based on information from Soil Conservation Service state office

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Adair	750	250	---	---	---	---	---	---	1,036
Andrew	---	---	7	---	---	4	36	---	60
Atchison	1	7	1	---	---	---	---	---	9
Audrain	---	---	325	---	---	2	87	1	415
Barry	---	---	---	---	---	---	10	---	10
Barton	12,000	---	10	931	---	---	9	1,045	13,995
Bates	9,498	---	174	1,622	---	---	77	770	12,141
Benton	100	---	350	---	---	---	---	---	450
Bollinger	---	---	---	---	---	---	---	---	---
Boone	5,491	100	120	---	---	---	45	571	6,327
Buchanan	---	40	---	---	---	140	14	40	234
Butler	---	135	---	---	---	---	---	25	160
Callaway	5	60	35	---	---	---	33	5	78
Camden	2,000	40	1,840	---	---	22	83	84	4,067
Cape Girardeau	---	---	100	---	---	---	---	100	200
Carroll	---	---	10	---	---	12	---	---	22
Carter	---	---	---	---	---	---	---	---	---
Cass	10	---	220	---	---	---	600	---	830
Cedar	6	---	---	---	---	---	8	6	20
Chariton	---	---	---	---	---	---	29	9	38
Christian	---	50	266	---	---	---	4	164	484
Clark	15	15	---	---	---	30	5	15	80
Clay	3	150	25	---	---	11	10	---	49
Clinton	---	---	---	---	---	75	32	150	407
Cole	---	---	7	---	---	2	12	---	21
Cooper	2	---	167	---	---	---	10	2	181
Crawford	---	---	80	---	---	9	10	3	102
Dade	250	60	---	---	---	---	5	---	315
Dallas	---	---	5	---	---	---	2	10	17
Daviess	---	---	---	---	---	10	30	---	40
De Kalb	---	---	---	---	---	---	23	---	23
Dent	---	---	60	---	---	---	---	---	60
Douglas	---	2	6	---	---	6	---	---	14
Dunklin	---	250	---	---	---	1	---	---	251
Franklin	---	300	325	---	---	6	33	5	669

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Gosnade	---	---	1,000	---	---	106	37	1,143
Gentry	---	---	---	---	15	19	---	34
Greene	---	---	79	---	---	26	11	116
Grundy	---	---	---	---	2	13	---	15
Harrison	80	340	---	---	40	8	---	468
Henry	16,193	---	316	3,415	---	37	5,292	25,253
Hickory	---	---	4	---	---	1	16	21
Holt	---	---	---	---	40	50	---	90
Howard	---	---	---	210	---	30	80	820
Howell	500	---	150	---	2	11	---	163
Iron	---	---	---	---	---	850	250	1,100
Jackson	---	---	90	---	---	940	95	1,230
Jasper	50	---	7,950	---	105	22	---	8,022
Jefferson	---	200	300	---	---	109	---	609
Johnson	5,400	100	---	---	---	22	2	5,524
Knox	---	---	---	---	---	38	50	88
Laclede	---	40	---	---	---	23	---	63
Lafayette	---	---	---	---	---	3	1	4
Lawrence	---	---	150	---	---	8	40	198
Lewis	---	430	80	---	200	200	160	1,070
Lincoln	---	80	400	---	---	12	2	494
Linn	188	---	---	---	7	---	---	195
Livingston	---	100	100	---	---	12	300	512
McDonald	---	---	---	---	---	---	---	---
Macon	4,208	---	3	931	---	---	564	5,706
Madison	---	---	6,000	---	---	1	---	6,001
Maries	---	40	230	---	---	19	6	295
Marion	---	---	37	---	---	6	---	43
Mercer	---	---	50	---	---	180	---	230
Miller	---	40	---	---	10	11	---	61
Mississippi	---	---	---	---	---	---	---	---
Moniteau	---	---	20	---	---	4	100	124
Monroe	40	76	80	---	4	18	40	258
Montgomery	30	---	1,000	---	---	112	26	1,168
Morgan	---	---	8	---	---	---	208	216
New Madrid	---	---	---	---	---	---	---	---

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Newton	---	---	800	---	---	2	300	1,102
Nodaway	---	---	---	---	---	28	20	48
Oregon	---	---	---	---	---	---	20	20
Osage	---	---	10	---	---	35	2	47
Ozark	---	8	24	---	22	1	---	55
Pemiscot	---	---	---	---	---	---	---	---
Perry	---	---	100	---	4	2	---	106
Pettis	---	1	1	---	---	17	1	20
Phelps	---	---	50	---	4	22	---	76
Pike	---	---	---	---	---	240	50	290
Platte	---	---	4	---	1	51	---	56
Polk	---	---	10	---	---	15	---	25
Putaski	---	1	---	---	2	28	6	37
Putnam	1,546	---	---	727	20	25	---	2,318
Rails	350	---	250	---	---	138	400	1,138
Randolph	3,480	---	434	545	---	22	4,706	9,187
Ray	---	---	200	---	---	41	80	321
Reynolds	---	---	---	---	---	---	---	---
Ripley	---	---	---	---	3	---	---	3
St. Charles	---	---	---	---	10	41	302	353
St. Clair	5,214	100	---	---	---	7	160	5,481
St. Francois	---	---	1,689	---	---	21	630	2,340
Ste. Genevieve	---	75	75	---	3	11	---	164
St. Louis	---	---	1,000	---	75	124	20	1,219
Saline	28	388	8	---	---	36	18	478
Schuyler	50	---	---	---	---	---	---	50
Scotland	---	20	---	---	---	5	25	50
Scott	---	---	---	---	5	23	11	39
Shannon	---	40	85	---	80	5	70	280
Shelby	---	---	---	---	---	10	---	10
Stoddard	---	300	---	---	57	5	524	886
Stone	---	---	10	---	---	---	10	20
Sullivan	---	---	120	---	---	6	40	166
Taney	---	60	60	---	---	7	120	247
Texas	---	---	110	---	5	4	---	119
Vernon	3,200	250	300	391	---	25	3,968	8,134

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation							Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Warren-----	---	---	110	---	---	40	143	293
Washington-----	---	250	312	---	---	843	---	1,405
Wayne-----	---	60	---	---	---	8	---	68
Webster-----	---	15	---	---	---	7	---	22
Worth-----	---	---	245	---	---	4	165	414
Wright-----	---	---	---	---	---	9	---	9
Total	70,688	4,473	28,187	8,772	1,046	6,055	22,051	141,272

1/Based on information from Soil Conservation Service state office

Table 32.-- Status of land disturbed by surface mining in Montana as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Beaverhead	---	10	750	---	50	270	1,120
Big Horn	4	71	18	1,155	64	60	2,615
Blaine	---	---	1	---	---	---	1
Broadwater	---	7	120	---	---	4	183
Carbon	40	15	---	---	15	100	190
Carter	---	25	320	---	50	320	735
Cascade	500	50	25	---	200	50	835
Chouteau	---	---	---	---	---	---	---
Custer	---	---	---	---	50	---	114
Daniels	20	100	---	---	50	---	170
Dawson	48	4	4	---	139	---	245
Deer Lodge	---	3	---	---	4	630	647
Fallon	10	10	---	---	80	---	107
Fergus	16	59	61	3	26	13	197
Flathead	---	100	124	---	200	100	450
Gallatin	---	345	---	---	168	6	678
Garfield	5	15	---	1	25	---	61
Glacier	---	33	---	---	85	---	153
Golden Valley	---	---	---	---	15	30	65
Granite	---	13	727	---	12	138	1,171
Hill	1	20	---	---	50	---	101
Jefferson	---	14	695	---	15	304	1,067
Judith Basin	500	---	500	---	200	---	3,200
Lake	---	---	---	---	125	---	500
Lewis and Clark	---	260	1,625	---	280	150	3,815
Liberty	---	15	---	---	22	---	69
Lincoln	---	100	200	---	300	400	1,650
McCone	---	30	---	---	10	---	60
Madison	40	20	8,000	---	50	1,000	11,110
Meagher	---	103	301	---	30	130	889
Mineral	30	230	250	---	480	35	1,360
Missoula	150	650	230	---	475	170	2,350
Musselshell	50	---	---	45	30	25	173
Park	---	15	70	---	2	5	92
Petroleum	---	---	---	---	---	---	---
Phillips	---	700	1,400	---	100	600	2,850
	---	---	---	---	---	---	---

Table 32. -- Status of land disturbed by surface mining in Montana as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Pondera-----	---	30	---	---	---	---	30
Powder River-----	25	50	150	10	50	100	435
Powell-----	---	1	---	---	---	---	41
Prairie-----	---	---	---	---	---	---	---
Ravalli-----	---	175	820	10	60	220	1,585
Richland-----	136	148	2	20	19	---	461
Roosevelt-----	---	50	10	---	100	---	210
Rosebud-----	375	60	---	3,522	120	137	4,998
Sanders-----	---	123	4	---	70	9	241
Sheridan-----	---	---	---	---	---	---	---
Silver Bow-----	---	33	1,591	---	7	980	2,611
Stillwater-----	---	12	22	---	8	16	106
Sweet Grass-----	---	20	---	---	---	---	40
Teton-----	---	25	---	---	45	---	100
Toole-----	---	620	320	---	340	10	1,995
Treasure-----	---	40	---	---	10	386	436
Valley-----	---	50	---	---	120	200	375
Wheatland-----	---	---	---	---	10	---	10
Wibaux-----	5	101	---	---	31	---	337
Yellowstone-----	---	100	---	---	100	---	300
Total	1,955	4,655	18,340	4,766	4,492	6,598	53,374

1/Based on information from Soil Conservation Service state office

Table 33. -- Status of land disturbed by surface mining in Nebraska as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Adams	---	123	---	---	---	---	158
Antelope	---	187	---	---	---	---	240
Arthur	---	---	---	---	---	---	---
Banner	---	50	---	---	---	---	63
Blaine	---	20	---	---	---	---	20
Boone	---	65	---	---	---	---	96
Box Butte	---	---	6	---	---	---	21
Boyd	---	42	---	---	---	---	43
Brown	---	175	2	---	---	---	255
Buffalo	---	868	---	---	---	---	1,400
Burt	---	20	6	---	---	---	45
Butler	---	202	---	---	---	---	265
Cass	---	276	2,066	---	---	---	2,957
Cedar	---	176	---	---	---	---	313
Chase	---	74	8	---	---	---	114
Cherry	---	27	11	---	---	---	45
Cheyenne	---	311	---	---	---	---	519
Clay	---	72	---	---	---	---	74
Colfax	---	104	---	---	---	---	372
Cuming	---	227	---	---	---	---	482
Custer	---	199	7	---	---	---	206
Dakota	---	84	9	---	---	---	187
Dawes	---	100	---	---	---	---	100
Dawson	---	869	---	---	---	---	1,611
Deuel	---	157	---	---	---	---	188
Dixon	---	58	20	---	---	---	80
Dodge	---	369	---	---	---	---	1,740
Douglas	---	512	---	---	---	---	1,047
Dundy	---	52	---	---	---	---	56
Fillmore	---	109	---	---	---	---	139
Franklin	---	267	67	---	---	---	334
Frontier	---	12	33	---	---	---	50
Furnas	---	199	28	---	---	---	233
Gage	---	386	113	---	---	---	637
Garden	---	59	---	---	---	---	72
Garfield	---	11	---	---	---	---	35

Table 33. -- Status of land disturbed by surface mining in Nebraska as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Gosper	---	1	3	---	---	---	123
Grant	---	---	---	---	---	---	---
Greeley	---	15	---	---	---	---	20
Hall	---	1,320	---	---	---	---	1,845
Hamilton	---	163	---	---	---	---	234
Harlan	---	76	26	---	---	---	129
Hayes	---	49	---	---	---	---	90
Hitchcock	---	135	2	---	---	---	137
Holt	---	494	9	---	---	---	626
Hooker	---	17	---	---	---	---	58
Howard	---	82	---	---	---	---	149
Jefferson	---	176	72	---	---	---	274
Johnson	---	18	11	---	---	---	30
Kearney	---	154	---	---	---	---	202
Keith	---	882	---	---	---	---	895
Keya Paha	---	75	64	---	---	---	154
Kimball	---	154	---	---	---	---	230
Knox	---	428	---	---	---	---	496
Lancaster	---	46	239	---	---	---	394
Lincoln	---	976	17	---	---	---	1,593
Logan	---	3	---	---	---	---	3
Loup	---	65	---	---	---	---	83
McPherson	---	15	---	---	---	---	15
Madison	---	612	---	---	---	---	795
Merrick	---	273	---	---	---	---	583
Morrill	---	150	11	---	---	---	177
Nance	---	128	---	---	---	---	146
Nemaha	---	21	485	---	---	---	602
Nuckolls	---	217	8	---	---	---	225
Otoe	---	13	67	---	---	---	160
Pawnee	---	20	23	---	---	---	133
Perkins	---	59	---	---	---	---	59
Phelps	---	77	---	---	---	---	90
Pierce	---	268	---	---	---	---	305
Platte	---	721	---	---	---	---	1,064
Polk	---	241	---	---	---	---	410

Table 33. -- Status of land disturbed by surface mining in Nebraska as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Red Willow-----	---	359	2	---	---	---	171	532
Richardson-----	---	99	199	---	---	---	142	440
Rock-----	---	84	---	---	---	---	20	104
Saline-----	---	189	14	---	---	---	41	244
Sarpy-----	---	201	234	---	---	---	879	1,314
Saunders-----	---	496	7	---	---	---	515	1,018
Scotts Bluff-----	---	452	---	---	---	---	162	614
Seward-----	---	31	19	---	---	---	9	59
Sheridan-----	---	38	14	---	---	---	5	57
Sherman-----	---	6	---	---	---	---	---	6
Sioux-----	---	32	---	---	---	---	---	32
Stanton-----	---	80	---	---	---	---	151	231
Thayer-----	---	434	24	---	---	---	---	458
Thomas-----	---	166	---	---	---	---	34	200
Thurston-----	---	32	7	---	---	---	2	41
Valley-----	---	85	2	---	---	---	35	122
Washington-----	---	3	87	---	---	---	37	127
Wayne-----	---	---	---	---	---	---	4	4
Webster-----	---	213	7	---	---	---	6	226
Wheeler-----	---	12	---	---	---	---	---	12
York-----	---	351	---	---	---	---	85	436
Total	---	17,969	4,029	---	---	---	11,005	33,003

1/Based on information from Soil Conservation Service state office

Table 34. -- Status of land disturbed by surface mining in Nevada as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Carson City-----	---	90	30	---	---	---	---	---	120
Churchill-----	---	8	4	---	---	---	50	---	62
Clark-----	---	20	10	---	---	---	---	---	30
Douglas-----	---	45	50	---	---	---	5	---	100
Elko-----	---	---	320	---	---	---	100	---	420
Esmeralda-----	---	4	16	---	---	---	3	---	23
Eureka-----	---	140	380	---	---	---	200	---	720
Humboldt-----	---	25	160	---	---	---	10	---	195
Lander-----	---	30	290	---	---	---	80	---	400
Lincoln-----	---	8	1	---	---	---	---	---	9
Lyon-----	---	18	850	---	---	---	---	---	868
Mineral-----	---	25	15	---	---	---	---	---	40
Nye-----	---	6	24	---	---	---	5	---	35
Pershing-----	---	---	---	---	---	---	500	---	500
Storey-----	---	32	285	---	---	---	---	---	317
Washoe-----	---	730	20	---	---	---	---	---	750
White Pine-----	---	40	100	---	---	---	1,000	---	1,140
Total	---	1,221	2,555	---	---	---	1,953	---	5,729

1/Based on information from Soil Conservation Service state office

Table 35. -- Status of land disturbed by surface mining in New Hampshire as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Belknap-----	---	1,305	---	---	---	---	1,305	
Carroll-----	---	240	4	---	---	---	244	
Cheshire-----	---	629	---	---	---	---	629	
Cook-----	---	881	---	---	---	---	881	
Grafton-----	---	1,530	82	---	---	---	1,612	
Hillsborough---	---	2,393	331	---	---	---	2,724	
Merrimack-----	---	2,333	---	---	---	---	2,333	
Rockingham---	---	1,890	---	---	---	---	1,890	
Strafford-----	---	474	---	---	---	---	474	
Sullivan-----	---	1,050	---	---	---	---	1,050	
Total	---	12,725	417	---	---	---	13,689	

1/Based on information from Soil Conservation Service state office

Table 36. -- Status of land disturbed by surface mining in New Jersey as of July 1, 1977, by counties 1/

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Atlantic-----	---	2,500	---	---	---	---	3,700	
Bergen-----	---	300	100	---	---	---	500	
Burlington-----	---	2,000	500	---	---	---	2,900	
Camden-----	---	1,500	100	---	---	---	2,100	
Cape May-----	---	2,000	---	---	---	---	2,400	
Cumberland-----	---	4,500	---	---	---	---	5,100	
Essex-----	---	50	120	---	---	---	220	
Gloucester-----	---	700	---	---	---	---	900	
Hudson-----	---	---	---	---	---	---	---	
Hunterdon-----	---	100	450	---	---	---	700	
Mercer-----	---	300	200	---	---	---	750	
Middlesex-----	---	3,000	800	---	---	---	5,800	
Monmouth-----	---	1,100	---	---	---	---	1,540	
Morris-----	---	1,000	---	---	---	---	1,370	
Ocean-----	---	3,000	800	---	---	---	4,450	
Passaic-----	---	670	---	---	---	---	870	
Salem-----	---	990	20	---	---	---	1,210	
Somerset-----	---	150	625	---	---	---	928	
Sussex-----	---	370	1,225	---	---	---	1,795	
Union-----	---	---	50	---	---	---	150	
Warren-----	---	380	580	---	---	---	1,060	
Total	---	24,610	5,570	---	---	---	38,443	
						8,263		

1/Based on information from Soil Conservation Service state office

Table 37. -- Status of land disturbed by surface mining in New Mexico as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation							Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Bernalillo	---	80	40	---	---	---	---	120
Catron	---	---	---	---	---	---	---	---
Chaves	---	---	---	---	---	---	---	---
Colfax	---	50	---	60	---	---	---	110
Curry	---	---	---	---	---	---	---	---
De Baca	---	225	---	---	---	---	50	275
Dona Ana	---	---	---	---	---	---	---	---
Eddy	---	663	---	---	---	---	---	663
Grant	---	130	120	---	30	10,150	200	10,630
Guadalupe	---	450	22	---	---	---	---	472
Harding	---	250	100	---	---	---	---	350
Hidalgo	---	1	---	---	---	---	---	1
Lea	---	8,717	650	---	---	---	---	9,367
Lincoln	---	62	162	---	12	22	20	278
Los Alamos	---	---	---	---	---	---	---	---
Luna	---	---	---	---	640	---	---	640
McKinley	---	20	---	150	10	65	---	245
Mora	---	---	---	---	---	---	---	---
Otero	---	50	---	---	150	---	75	275
Quay	---	80	50	---	10	10	10	160
Reserve	---	---	---	---	---	---	---	---
Rio Arriba	20	39	---	---	---	---	---	59
Roosevelt	---	---	---	---	---	---	15	15
Sandoval	---	100	20	---	---	500	---	620
San Juan	---	50	---	3,499	50	25	1,252	4,876
San Miguel	---	75	---	---	---	---	25	100
Santa Fe	---	30	10	---	---	---	---	40
Sierra	---	40	100	---	20	---	---	160
Socorro	2	140	100	---	---	---	10	252
Taos	---	98	32	---	135	3,300	---	3,565
Torrance	---	---	---	---	---	---	50	50
Union	---	200	---	---	---	---	---	200
Valencia	---	310	400	---	---	12,000	500	13,210
Total	22	11,860	1,806	3,709	1,057	26,072	2,207	46,733

1/Based on information from Soil Conservation Service state office

Table 38. -- Status of land disturbed by surface mining in New York as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Albany	---	200	800	---	500	150	1,800	
Allegany	---	170	---	---	337	---	607	
Bronx	---	---	---	---	---	---	---	
Broome	---	1,500	---	---	---	---	1,000	
Chattaugus	---	2,182	50	---	550	500	2,500	
Cayuga	---	550	650	---	4	---	3,282	
Chautauqua	---	54	---	---	95	---	1,654	
Chemung	---	---	---	---	295	12	203	
Chenango	---	11	---	---	---	---	307	
Clinton	---	80	---	---	300	---	175	
Columbia	---	700	---	---	600	200	186	
Cortland	---	540	---	---	---	---	430	
Delaware	---	753	41	---	170	20	50	
Dutchess	---	1,000	167	---	2,145	700	1,700	
Erie	---	2,470	1,470	---	---	---	1,540	
Essex	---	75	66	---	47	180	984	
Franklin	---	75	20	---	80	15	4,112	
Fulton	---	140	---	---	140	---	4,767	
Genesee	---	520	220	---	160	80	250	
Greene	---	455	700	---	24	20	280	
Hamilton	---	150	---	---	175	---	1,780	
Herkimer	---	100	415	---	600	50	1,799	
Jefferson	---	300	100	---	40	10	325	
Kings	---	---	---	---	---	---	1,485	
Lewis	---	10	---	---	15	---	680	
Livingston	---	230	---	---	500	5	---	
Madison	---	283	200	---	10	---	5	
Monroe	---	2,800	300	---	1,800	---	1,000	
Montgomery	---	344	115	---	---	---	190	
Nassau	---	---	---	---	---	---	---	
New York	---	---	---	---	---	---	---	
Niagara	---	115	760	---	---	---	---	
Oneida	---	1,400	100	---	50	---	875	
Onondaga	---	1,000	11,000	---	1,100	700	200	
Ontario	---	1,268	400	---	---	---	1,500	
							15,300	
							1,668	

Table 33. -- Status of land disturbed by surface mining in New York as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Orange	---	250	20	---	20	---	290
Orleans	---	165	---	---	---	---	385
Oswego	---	100	---	---	700	---	1,000
Otsego	---	50	---	---	50	---	110
Putnam	---	276	64	---	---	---	566
Queens	---	---	---	---	---	---	---
Rensselaer	---	1,390	37	---	40	3	1,470
Richmond	---	---	---	---	---	---	---
Rockland	---	50	---	---	100	300	500
St. Lawrence	---	250	300	---	750	900	2,800
Saratoga	---	900	50	---	400	100	2,250
Schenectady	---	100	---	---	296	18	414
Schoharie	---	---	---	---	263	120	448
Schuyler	---	50	---	---	100	---	150
Seneca	---	15	5	---	---	50	370
Steuben	---	375	145	---	975	525	2,545
Suffolk	---	2,800	---	---	800	---	6,100
Sullivan	---	---	---	---	400	100	600
Tioga	---	128	---	---	485	55	710
Tompkins	---	154	---	---	20	3	332
Ulster	---	1,010	180	---	300	---	5,428
Warren	---	350	30	---	150	120	720
Washington	---	110	460	---	3	1	574
Wayne	---	1,900	300	---	150	50	2,900
Westchester	---	839	86	---	40	---	1,040
Wyoming	---	180	---	---	---	---	180
Yates	---	---	---	---	200	---	200
Total	---	30,917	19,251	---	15,979	5,037	89,661

1/Based on information from Soil Conservation Service state office

Table 39. -- Status of land disturbed by surface mining in North Carolina as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation										Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law					Reclamation required by law						
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Other mined areas		
Alamance	---	1	1	---	90	34	---	---	---	---	15	141
Alexander	---	5	5	---	---	5	---	---	---	---	5	20
Alleghany	---	---	---	---	16	---	---	---	---	---	---	16
Anson	---	2,514	---	---	283	---	---	---	---	---	300	3,097
Ashe	---	6	4	---	9	---	---	---	---	---	8	27
Avery	---	8	70	---	22	125	---	---	---	---	---	225
Beaufort	---	5	---	---	121	1,000	---	---	---	---	60	1,186
Bertie	---	100	---	---	29	---	---	---	---	---	50	179
Bladen	---	---	---	---	37	29	---	---	---	---	10	76
Brunswick	---	25	2	---	12	---	---	---	---	---	90	129
Buncombe	---	95	18	---	184	---	---	---	---	4	301	
Burke	---	---	50	---	58	---	---	---	---	488	596	
Cabarrus	---	230	55	---	158	1	---	---	---	15	459	
Caldwell	---	---	---	---	22	---	---	---	---	250	272	
Camden	---	10	---	---	4	---	---	---	---	20	34	
Carteret	---	---	---	---	---	---	---	---	---	---	---	---
Caswell	---	---	---	---	47	---	---	---	---	25	72	
Catawba	---	25	20	---	74	---	---	---	---	3	122	
Chatham	---	50	60	---	48	131	---	---	---	200	489	
Cherokee	---	25	---	---	57	17	---	---	---	17	116	
Chowan	---	48	---	---	---	---	---	---	---	51	99	
Clay	---	17	---	---	12	---	---	---	---	4	33	
Cleveland	---	---	6	---	6	45	---	---	---	78	135	
Columbus	---	100	50	---	16	---	---	---	---	150	316	
Craven	---	50	---	---	224	7	---	---	---	50	331	
Cumberland	---	540	75	---	214	5	---	---	---	54	888	
Currituck	---	30	---	---	37	---	---	---	---	60	127	
Dare	---	---	3	---	14	---	---	---	---	6	23	
Davidson	---	---	60	---	53	317	---	---	---	82	512	
Davie	---	---	---	---	36	---	---	---	---	---	---	36
Duplin	---	5	---	---	26	---	---	---	---	---	---	51
Durham	---	---	40	---	49	91	---	---	---	---	---	180
Edgecombe	---	80	---	---	187	---	---	---	---	408	675	
Forsyth	---	---	---	---	128	---	---	---	---	20	148	
Franklin	---	---	10	---	39	---	---	---	---	---	---	49
Gaston	---	20	10	---	57	100	---	---	---	---	---	187

Table 39. -- Status of land disturbed by surface mining in North Carolina as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed	
	Reclamation not required by any law					Reclamation required by law						
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Person	---	---	3	---	---	---	---	---	---	---	3	6
Pitt	---	5	20	---	122	---	---	---	125	---	125	272
Polk	---	---	---	---	9	---	---	---	---	---	---	9
Randolph	---	---	35	---	43	15	---	---	332	---	332	425
Richmond	---	15	1	---	119	---	---	---	2	---	2	137
Robeson	---	---	---	---	6	---	---	---	---	---	---	6
Rockingham	---	---	---	---	69	160	---	---	15	---	15	244
Rowan	---	200	250	---	114	91	---	---	100	---	100	755
Rutherford	---	18	10	---	16	---	---	---	28	---	28	72
Sampson	---	25	15	---	38	29	---	---	50	---	50	157
Scotland	---	100	---	---	18	---	---	---	100	---	100	218
Stanly	---	---	2	---	---	168	---	---	65	---	65	235
Stokes	---	---	---	---	18	14	---	---	3	---	3	35
Surry	---	---	110	---	84	72	---	---	110	---	110	376
Swain	---	5	10	---	---	---	---	---	---	---	---	15
Transylvania	---	2	1	---	13	---	---	---	---	---	---	16
Tyrrell	---	1	---	---	---	---	---	---	1	---	1	2
Union	---	---	154	---	69	37	---	---	134	---	134	394
Vance	---	---	---	---	89	---	---	---	---	---	---	89
Wake	---	10	103	---	206	25	---	---	449	---	449	793
Warren	---	---	---	---	---	---	---	---	---	---	---	---
Washington	---	3	---	---	---	---	---	---	7	---	7	10
Watauga	---	25	15	---	15	4	---	---	200	---	200	259
Wayne	---	500	---	---	108	---	---	---	488	---	488	1,096
Wilkes	---	75	50	---	38	---	---	---	125	---	125	288
Wilson	---	70	80	---	220	---	---	---	50	---	50	420
Yadkin	---	---	5	---	26	---	---	---	3	---	3	34
Yancey	---	125	989	---	38	98	---	---	---	---	---	1,250
Total	---	11,908	4,792	---	7,096	3,909	---	7,000	7,000	---	7,000	34,705

1/Based on information from Soil Conservation Service state office

Table 40. -- Status of land disturbed by surface mining in North Dakota as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Adams	---	---	---	---	---	---	950
Barnes	---	35	---	---	---	---	565
Benson	---	40	---	---	---	---	580
Billings	---	35	---	---	---	---	565
Bottineau	---	35	---	---	---	---	565
Bowman	---	5	---	425	---	---	1,190
Burke	350	20	---	1,600	---	---	4,050
Burleigh	---	80	---	---	---	---	1,155
Cass	---	40	---	---	---	---	580
Cavalier	---	35	---	---	---	---	575
Dickey	---	35	---	---	---	---	575
Divide	350	---	---	---	---	---	1,945
Dunn	---	35	---	---	---	---	555
Eddy	---	40	---	---	---	---	580
Emmons	---	35	---	---	---	---	565
Foster	---	40	---	---	---	---	580
Golden Valley	---	40	---	---	---	---	570
Grand Forks	---	35	---	---	---	---	565
Grant	---	40	---	---	---	---	580
Griggs	---	35	---	---	---	---	575
Hettinger	---	40	65	---	---	---	645
Kidder	---	40	---	---	---	---	570
La Moure	---	35	---	---	---	---	575
Logan	---	40	---	---	---	---	570
McHenry	---	35	---	---	---	---	565
McIntosh	---	40	---	---	---	---	555
McKenzie	---	40	---	---	---	---	580
McLean	---	60	---	80	---	---	1,910
Mercer	---	60	5	3,740	---	---	7,055
Morton	---	35	---	---	---	---	575
Mountrail	---	50	---	---	---	---	580
Nelson	---	35	---	---	---	---	575
Oliver	---	10	---	600	---	---	1,690
Pembina	---	40	---	---	---	---	570
Pierce	---	35	---	---	---	---	565
Ramsey	---	40	---	---	---	---	570

Table 40. -- Status of land disturbed by surface mining in North Dakota as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation							Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Ransom-----	---	40	---	---	---	---	540	580
Renville-----	---	35	---	---	---	---	540	575
Richland-----	---	55	---	---	---	---	530	585
Rolette-----	---	35	---	---	---	---	540	575
Sargent-----	---	40	---	---	---	---	530	570
Sheridan-----	---	40	---	---	---	---	540	580
Sioux-----	---	35	---	---	---	---	530	565
Slope-----	---	40	65	---	---	---	540	645
Stark-----	---	40	65	80	---	---	540	725
Steele-----	---	35	---	---	---	---	530	565
Stutsman-----	---	35	---	---	---	---	530	565
Towner-----	---	35	---	---	---	---	540	575
Trail-----	---	40	---	---	---	---	540	580
Walsh-----	---	35	---	---	---	---	530	565
Ward-----	350	100	---	200	---	---	2,510	3,160
Wells-----	---	40	---	---	---	---	540	580
Williams-----	---	35	---	---	---	---	540	575
Total	1,050	2,010	200	6,725	---	---	38,595	48,580

1/Based on information from Soil Conservation Service state office

Table 41. -- Status of land disturbed by surface mining in Ohio as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	---	238	
Allien	---	80	90	---	25	433	628	
Ashland	---	290	50	---	15	5	360	
Ashtabula	---	35	---	---	20	---	55	
Athens	5,554	30	---	100	533	---	6,539	
Auglaize	---	435	20	---	20	10	965	
Belmont	6,510	10	46	5,800	20	60	34,646	
Brown	---	2	---	---	2	---	5	
Butler	---	439	---	---	615	---	1,124	
Carroll	5,000	75	925	848	20	200	7,068	
Champaign	---	315	---	---	---	---	525	
Clark	---	270	25	---	133	---	573	
Clermont	---	960	---	---	---	---	960	
Clinton	---	80	80	---	2	6	180	
Columbiana	1,000	100	150	1,450	136	52	19,588	
Coshocton	14,000	320	100	5,000	100	50	22,370	
Crawford	---	85	450	---	---	---	535	
Cuyahoga	---	250	50	---	200	100	800	
Darke	---	167	---	---	81	---	1,104	
Defiance	---	---	---	---	72	---	72	
Delaware	---	5	430	---	---	20	465	
Erie	---	51	2,032	---	99	943	3,595	
Fairfield	---	80	---	---	140	---	300	
Fayette	---	---	---	---	---	119	119	
Franklin	---	466	82	---	2,650	1,060	4,514	
Fulton	---	---	---	---	28	---	46	
Gallia	1,047	5	---	6,000	---	---	7,054	
Gauga	---	1,200	200	---	1,000	150	3,050	
Greene	---	500	1,000	---	75	100	2,775	
Guernsey	2,500	---	300	5,000	---	100	11,400	
Hamilton	---	669	---	---	1,418	5	2,297	
Hancock	---	52	87	---	---	140	719	
Hardin	---	20	---	---	---	---	170	
Harrison	40,000	---	25	11,067	---	3	91,095	
Henry	---	---	50	---	---	---	50	
Highland	---	35	165	---	4	35	289	

Table 41. --- Status of land disturbed by surface mining in Ohio as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Hocking	1,249	20	40	500	5	5	603	2,422
Holmes	1,980	105	12	350	65	2	1,562	4,076
Huron	---	53	---	---	16	12	120	201
Jackson	3,325	200	200	640	20	100	1,910	6,395
Jefferson	18,000	---	---	9,705	---	---	18,000	45,705
Knox	---	42	10	---	550	5	100	707
Lake	---	400	100	---	250	50	150	950
Lawrence	3,000	70	1,300	1,800	150	250	17,000	23,570
Licking	---	84	---	---	246	---	42	372
Logan	---	342	10	---	64	26	61	503
Lorain	---	40	---	---	30	---	50	120
Lucas	---	300	120	---	120	507	200	1,247
Madison	---	150	---	---	250	---	25	425
Mahoning	1,000	20	200	600	10	20	5,000	6,850
Marion	---	10	20	---	180	320	50	580
Medina	15	75	90	---	1,200	100	150	1,630
Meigs	6,170	450	---	---	300	---	200	7,120
Mercer	---	---	---	---	4	120	---	124
Miami	---	264	376	---	46	29	100	815
Monroe	19	9	51	---	---	---	30	109
Montgomery	---	1,362	110	---	650	104	250	2,476
Morgan	10,588	86	20	3,000	30	5	300	14,029
Morrow	---	12	---	---	40	---	---	52
Muskingum	16,000	25	300	16,000	35	100	10,000	42,460
Noble	6,000	---	---	200	---	30	7,770	14,000
Ottawa	---	---	2,228	---	---	343	---	2,571
Paulding	---	---	19	---	460	10	11	500
Perry	16,000	2,000	300	2,000	500	50	10,000	30,850
Pickaway	---	---	---	---	---	---	---	---
Pike	---	50	---	---	70	40	---	160
Portage	1,023	660	112	---	106	22	125	2,048
Preble	---	500	221	---	512	96	150	1,479
Putnam	---	58	24	---	15	27	---	124
Richland	---	200	20	---	250	80	100	650
Ross	---	110	30	---	130	72	134	476
Sandusky	---	---	---	---	100	1,566	25	1,691

Table 41. -- Status of land disturbed by surface mining in Ohio as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Scioto-----	---	35	182	---	---	---	175	392
Seneca-----	---	50	1,515	---	---	---	110	1,675
Shelby-----	---	132	---	---	175	75	48	430
Stark-----	10,700	1,000	2,000	800	100	200	1,700	16,500
Summit-----	---	4,805	1,500	---	1,680	---	---	7,985
Trumbull-----	---	80	8	---	20	15	8	131
Tuscarawas-----	22,980	520	140	4,300	125	40	18,912	47,017
Union-----	---	147	77	---	---	---	---	224
Van Wert-----	---	---	100	---	---	130	---	230
Vinton-----	1,795	---	116	1,280	---	---	2,530	5,721
Warren-----	---	489	---	---	200	60	200	949
Washington-----	954	30	---	110	120	20	784	2,018
Wayne-----	300	50	---	500	300	150	200	1,500
Williams-----	---	400	25	---	125	25	400	975
Wood-----	---	---	300	---	---	30	200	530
Wyandot-----	---	160	690	---	---	---	80	930
Total	196,709	22,621	18,923	77,050	16,659	8,427	190,578	530,967

1/Based on information from Soil Conservation Service state office

Table 42. -- Status of land disturbed by surface mining in Oklahoma as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Adair	---	25	---	---	---	---	25
Alfalfa	---	20	---	---	8	---	28
Atoka	110	9	---	---	100	190	409
Beaver	---	63	47	---	35	---	195
Beckham	---	---	---	---	---	---	---
Blaine	---	10	1,847	---	81	748	240
Bryan	---	120	---	---	30	20	120
Caddo	---	28	---	---	60	65	23
Canadian	---	5	80	---	65	50	250
Carter	---	200	168	---	---	---	368
Cherokee	---	---	---	---	---	---	---
Choctaw	---	540	390	---	360	80	1,900
Cimarron	---	---	---	---	---	---	---
Cleveland	---	200	---	---	10	---	210
Coal	1,090	---	110	---	---	---	1,200
Comanche	---	30	50	---	---	400	480
Cotton	---	20	---	---	10	---	30
Craig	3,779	100	---	1,000	---	---	6,000
Creek	---	20	5	---	---	410	25
Custer	---	65	82	---	37	40	100
Delaware	---	30	---	---	20	---	60
Dewey	---	12	---	---	---	10	12
Ellis	---	24	30	---	---	---	54
Garfield	---	18	10	---	30	36	124
Garvin	---	20	---	---	---	---	20
Grady	---	52	3	---	---	---	55
Grant	---	40	---	---	---	---	40
Greer	---	20	100	---	50	300	510
Harmon	---	40	---	---	---	---	40
Harper	---	---	---	---	10	---	10
Haskell	5,253	62	15	170	---	---	6,680
Hughes	---	25	---	---	---	---	25
Jackson	---	---	---	---	---	540	540
Jefferson	---	2	---	---	---	---	12
Johnston	---	200	110	---	---	---	310
Kay	---	---	---	---	---	80	80

Table 42. -- Status of land disturbed by surface mining in Oklahoma as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Kingfisher	---	100	---	---	---	---	100	
Kiowa	---	729	400	---	---	---	1,129	
Latimer	772	50	---	100	---	---	1,224	
Le Flore	1,286	150	---	400	10	---	2,046	
Lincoln	---	---	---	---	---	---	57	
Logan	---	---	---	---	---	---	---	
Love	---	---	200	---	---	---	200	
McCain	---	488	---	---	305	---	793	
McCurtain	---	230	---	---	30	150	415	
McIntosh	---	---	---	---	---	---	780	
Major	---	19	18	---	---	---	124	
Marshall	---	80	---	---	---	---	80	
Mayes	112	---	---	20	---	---	537	
Murray	---	490	---	---	---	---	490	
Muskogee	500	---	80	1,325	40	30	2,620	
Noble	---	30	---	---	40	3	103	
Nowata	147	10	---	1,848	100	---	3,788	
Okfuskee	---	70	---	---	---	---	70	
Oklahoma	---	---	---	---	60	15	95	
Okmulgee	1,600	75	---	80	5	---	1,760	
Osage	---	---	150	---	---	420	570	
Ottawa	---	70	8,400	---	30	30	8,650	
Pawnee	---	5	40	---	5	80	130	
Payne	---	40	90	---	60	60	250	
Pittsburg	800	20	10	155	45	28	1,058	
Pontotoc	---	20	---	---	42	37	99	
Pottawatomie	---	584	---	---	300	---	884	
Pushmataha	---	60	---	---	---	---	260	
Roger Mills	---	---	---	---	---	---	---	
Rogers	15,340	40	---	980	190	---	19,050	
Seminole	---	15	---	---	150	175	340	
Sequoyah	1,371	26	645	20	---	---	2,082	
Stephens	---	200	---	---	---	---	800	
Texas	---	---	---	---	---	---	---	
Tillman	---	850	---	---	---	---	900	
Tulsa	1,088	---	635	---	217	---	2,099	

Table 42. --- Status of land disturbed by surface mining in Oklahoma as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Wagoner-----	2,870	70	---	200	10	---	100	3,250	
Washington-----	---	50	350	---	87	113	---	600	
Washita-----	---	---	---	---	---	---	---	---	
Woods-----	---	68	40	---	74	---	212	394	
Woodward-----	---	20	---	---	60	---	---	80	
Total	36,118	6,659	14,105	6,298	2,766	4,110	16,255	86,311	

1/Based on information from Soil Conservation Service state office

Table 43. -- Status of land disturbed by surface mining in Oregon as of July 1, 1977, by counties [/
[Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed
	Reclamation not required by any law					Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Baker	---	500	4,500	---	1,600	100	---	---	120	6,820	
Benton	---	50	---	---	211	5	---	---	35	301	
Clackamas	---	---	---	3	311	2	---	---	40	356	
Clatsop	---	10	210	---	31	121	---	---	9	381	
Columbia	---	10	---	---	373	---	---	---	10	393	
Coos	---	---	50	---	160	600	---	---	100	910	
Crook	---	75	---	---	55	27	---	---	---	157	
Curry	---	---	---	---	75	35	---	---	30	140	
Deschutes	---	54	821	---	54	161	---	---	80	1,170	
Douglas	---	---	---	---	---	---	---	---	---	---	
Gilliam	---	17	---	---	7	---	---	---	17	41	
Grant	---	830	2,550	---	---	---	---	---	---	3,380	
Harney	---	200	20	---	10	5	---	---	25	260	
Hood River	---	---	---	---	---	---	---	---	---	---	
Jackson	---	159	5	---	784	6	---	---	40	994	
Jefferson	---	12	5	---	3	20	---	---	---	40	
Josephine	---	75	8,480	---	---	20	---	---	6,000	14,575	
Klamath	---	58	127	---	122	52	---	---	---	359	
Lake	---	50	45	---	50	40	---	---	25	210	
Lane	---	240	202	---	88	26	---	---	10	566	
Lincoln	---	---	---	---	---	---	---	---	---	---	
Linn	---	172	143	---	61	7	---	---	15	398	
Malheur	---	25	30	---	8	275	---	---	5	343	
Marion	---	100	100	---	1,280	---	---	---	500	1,980	
Morrow	---	28	---	---	15	---	---	---	---	43	
Multnomah	---	25	16	---	408	36	---	---	25	510	
Polk	---	41	---	---	5	---	---	---	1	47	
Sherman	---	---	---	---	---	---	---	---	---	---	
Tillamook	---	---	---	---	---	---	---	---	---	---	
Umatilla	---	125	---	---	---	---	---	---	---	125	
Union	---	200	14	---	350	---	---	---	100	664	
Wallowa	---	200	---	---	40	---	---	---	200	440	
Wasco	---	---	---	---	---	---	---	---	---	---	

Table 43. -- Status of land disturbed by surface mining in Oregon as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law			Reclamation required by law			Land not requiring reclamation		
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas			
Washington-----	---	250	250	---	---	---	---	500	
Wheeler-----	---	15	---	---	31	---	---	46	
Yamhill-----	---	---	---	---	682	---	---	682	
Total	---	3,521	17,568	3	6,814	1,538	7,387	36,831	

1/Based on information from Soil Conservation Service state office

Table 44. -- Status of land disturbed by surface mining in Pennsylvania as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed
	Reclamation not required by any law					Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation				
Adams-----	---	---	100	---	10	600	---	---	---	710	
Allegheny-----	2,000	100	20	200	200	100	800	---	---	3,420	
Armstrong-----	10,500	200	200	1,500	220	400	8,600	---	---	21,620	
Beaver-----	4,500	100	25	700	200	100	2,800	---	---	8,425	
Bedford-----	700	300	50	100	500	250	800	---	---	2,700	
Berks-----	---	150	400	---	200	900	100	---	---	1,750	
Blair-----	700	50	700	---	200	2,100	750	---	---	4,500	
Bradford-----	---	250	100	---	1,200	700	200	---	---	2,450	
Bucks-----	---	600	100	---	700	350	100	---	---	1,850	
Butler-----	11,750	240	400	3,000	1,200	800	5,750	---	---	23,140	
Cambria-----	12,000	---	300	3,100	---	600	4,900	---	---	20,900	
Cameron-----	150	---	---	---	---	---	150	---	---	300	
Carbon-----	2,700	---	---	400	---	---	300	---	---	3,400	
Centre-----	12,000	50	100	2,000	50	700	2,550	---	---	17,450	
Chester-----	---	---	50	---	---	150	5	---	---	205	
Clarion-----	10,000	50	50	1,000	50	150	24,020	---	---	35,320	
Clearfield-----	20,000	50	400	12,000	---	2,450	36,000	---	---	70,900	
Clinton-----	1,000	---	400	500	---	1,100	500	---	---	3,500	
Columbia-----	1,500	20	15	200	---	---	1,300	---	---	3,035	
Crawford-----	---	50	10	---	50	---	150	---	---	260	
Cumberland-----	---	100	300	---	300	1,500	50	---	---	2,250	
Dauphin-----	---	---	50	---	---	200	10	---	---	260	
Delaware-----	---	---	100	---	---	75	10	---	---	185	
Elk-----	2,000	---	100	500	---	150	1,500	---	---	4,250	
Erie-----	---	200	50	---	800	150	100	---	---	1,300	
Fayette-----	10,000	50	500	9,000	---	2,000	21,050	---	---	42,600	
Forest-----	---	---	20	---	---	---	---	---	---	20	
Franklin-----	---	100	310	---	300	240	50	---	---	1,000	
Fulton-----	100	150	25	50	---	25	200	---	---	550	
Greene-----	1,000	---	---	2,350	---	---	6,650	---	---	10,000	
Huntingdon-----	800	4,950	4,000	100	6,000	2,000	3,050	---	---	20,900	
Indiana-----	40,000	---	50	6,000	---	150	24,000	---	---	70,200	
Jefferson-----	16,000	---	700	5,000	---	300	14,010	---	---	36,010	
Juanita-----	---	---	40	---	---	---	---	---	---	40	
Lackawanna-----	9,000	50	---	100	---	---	950	---	---	10,100	

Table 44. -- Status of land disturbed by surface mining in Pennsylvania as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Lancaster-----	---	365	500	---	300	1,000	2,310
Lawrence-----	7,800	200	500	1,700	50	1,000	14,750
Lebanon-----	---	60	600	---	20	1,500	2,180
Lehigh-----	---	30	2,500	---	---	200	2,730
Luzerne-----	2,000	200	50	800	200	---	30,650
Lycoming-----	500	100	40	300	50	250	1,990
McKean-----	200	60	100	---	---	---	660
Mercer-----	1,400	900	75	400	1,075	50	6,390
Mifflin-----	---	200	150	---	100	200	650
Monroe-----	---	---	---	---	---	---	---
Montgomery-----	---	---	300	---	---	100	400
Montour-----	---	---	40	---	---	10	60
Northampton-----	---	100	1,600	---	---	300	2,000
Northumberland-----	13,000	---	150	600	---	50	14,730
Perry-----	---	---	---	---	---	20	35
Philadelphia-----	---	---	---	---	---	---	---
Pike-----	---	100	300	---	300	---	750
Potter-----	---	---	75	---	---	25	120
Schuylkill-----	18,100	---	50	1,850	---	---	32,060
Snyder-----	---	---	100	---	50	50	250
Somerset-----	11,450	300	1,500	3,500	200	100	19,050
Sullivan-----	150	50	30	50	---	100	580
Susquehanna-----	---	100	400	---	---	300	1,050
Tioga-----	1,000	50	20	200	150	20	3,690
Union-----	---	---	150	---	---	30	255
Venango-----	3,000	50	100	500	50	---	7,800
Warren-----	---	---	5	---	---	5	60
Washington-----	9,000	---	100	2,000	---	---	22,100
Wayne-----	---	75	400	---	100	100	825
Westmoreland-----	4,000	---	300	300	---	700	9,000
Wyoming-----	---	200	200	---	150	300	900
York-----	---	50	500	---	25	350	975
Total	240,000	11,000	20,500	60,000	15,000	25,000	621,500

1/Based on information from Soil Conservation Service state office

Table 45. -- Status of land disturbed by surface mining in Rhode Island as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation							Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Other mined areas		
Bristol-----	---	30	---	---	--	---	44	74	
Kent-----	---	660	---	---	---	---	889	1,549	
Newport-----	---	132	---	---	---	---	325	457	
Providence-----	---	1,100	---	---	---	---	1,283	2,383	
Washington-----	---	670	---	---	---	---	929	1,599	
Total	---	2,592	---	---	---	---	3,470	6,062	

1/Based on information from Soil Conservation Service state office

Table 46. -- Status of land disturbed by surface mining in South Carolina as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Abbeville	---	---	---	---	1	---	1
Aiken	---	81	196	---	62	222	845
Allendale	---	5	---	---	---	---	5
Anderson	---	25	6	---	---	89	135
Bamberg	---	---	---	---	3	---	6
Barnwell	---	2	---	---	1	---	3
Beaufort	---	---	---	---	5	---	605
Berkeley	---	200	---	---	12	138	350
Calhoun	---	---	---	---	10	---	4
Charleston	---	600	---	---	207	---	7,586
Cherokee	---	---	93	---	5	302	8,393
Chester	---	8	---	---	28	---	400
Chesterfield	---	784	---	---	502	50	39
Clarendon	---	312	---	---	82	---	34
Colleton	---	575	10	---	61	46	3
Darlington	---	52	---	---	29	---	50
Dillon	---	---	---	---	33	---	60
Jorchester	---	473	---	---	186	---	---
Judgefield	---	70	---	---	---	229	35
Fairfield	---	---	11	---	---	37	---
Florence	---	426	---	---	82	238	---
Georgetown	---	100	---	---	123	---	---
Greenville	---	31	---	---	79	---	1
Greenwood	---	---	104	---	5	97	180
Hampton	---	5	---	---	---	51	238
Horry	---	216	---	---	---	---	156
Jasper	---	432	---	---	155	---	5
Kershaw	---	75	276	---	62	---	386
Lancaster	---	50	56	---	51	136	494
Laurens	---	---	88	---	---	58	562
Lee	---	100	---	---	---	181	221
Lexington	---	1,100	57	---	11	---	340
McCormick	---	---	---	---	133	---	111
Marion	---	10	---	---	---	---	1,443
Marlboro	---	1,698	150	---	16	---	---
Newberry	---	2	15	---	1,704	---	26
					13	33	4,059
					49	49	79

Table 46. -- Status of land disturbed by surface mining in South Carolina as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Oconee-----	---	40	30	---	---	51	100	221	
Orangeburg-----	---	95	---	---	18	224	---	337	
Pickens-----	---	30	107	---	---	127	---	264	
Richland-----	---	180	525	---	66	186	20	977	
Saluda-----	---	---	24	---	---	37	---	61	
Spartanburg-----	---	30	240	---	80	374	20	744	
Sumter-----	---	1,161	---	---	519	2	127	1,809	
Union-----	---	20	---	---	16	36	100	172	
Williamsburg-----	---	67	---	---	16	---	---	83	
York-----	---	10	140	---	19	63	8	240	
Total	---	9,065	2,128	---	4,395	3,194	9,815	28,597	

1/Based on information from Soil Conservation Service state office

Table 47. -- Status of land disturbed by surface mining in South Dakota as of July 1, 1977, by counties]/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Aurora	---	250	---	---	150	---	600	
Beadle	---	150	---	---	260	---	455	
Bennett	---	30	---	---	50	---	130	
Bon Homme	---	75	---	---	75	---	225	
Brookings	---	215	---	---	210	---	625	
Brown	---	40	---	---	260	---	300	
Brule	---	1,320	---	---	640	---	2,400	
Buffalo	---	640	---	---	320	---	1,760	
Butte	---	360	4,003	---	60	219	4,882	
Campbell	---	50	---	---	65	---	210	
Charles Mix	---	500	---	---	120	---	1,000	
Clark	---	400	---	---	185	---	620	
Clay	---	61	---	---	20	---	91	
Codington	---	100	---	---	70	---	320	
Corson	---	25	---	---	15	---	100	
Custer	---	80	400	---	20	41	641	
Davison	---	150	---	---	150	---	450	
Day	---	180	---	---	30	---	270	
Deuel	---	150	---	---	50	---	350	
Dewey	790	50	---	---	150	---	1,200	
Douglas	---	400	---	---	100	---	800	
Edmunds	---	200	---	---	60	---	360	
Fall River	---	120	70	---	10	15	225	
Faulk	---	30	---	---	18	---	78	
Grant	---	160	50	---	215	99	599	
Gregory	---	40	---	---	40	---	130	
Haakon	---	20	---	---	30	---	52	
Hamlin	---	40	---	---	100	---	180	
Hand	---	30	---	---	85	---	115	
Hanson	---	130	---	---	100	20	370	
Harding	---	15	405	---	61	---	544	
Hughes	---	100	---	---	50	---	200	
Hutchinson	---	50	---	---	170	---	285	
Hyde	---	376	---	---	20	---	428	
Jackson	---	60	---	---	40	---	300	
Jerauld	---	8	---	---	55	---	83	

Table 47. -- Status of land disturbed by surface mining in South Dakota as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed
	Reclamation not required by any law					Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Jones	---	50	---	---	20	---	---	---	---	70	
Kingsbury	---	219	---	---	164	---	---	---	94	477	
Lake	---	215	---	---	110	---	---	---	50	375	
Lawrence	---	29	4	---	3	33	---	---	82	151	
Lincoln	---	---	---	---	140	---	---	---	12	152	
Lyman	---	80	---	---	60	---	---	---	160	300	
McCook	---	225	---	---	40	---	---	---	100	365	
McPherson	---	225	---	---	115	---	---	---	125	465	
Marshall	---	115	---	---	57	---	---	---	372	544	
Meade	---	110	---	---	325	2	---	---	45	482	
Mellette	---	100	---	---	290	---	---	---	50	440	
Miner	---	3	---	---	144	---	---	---	3	150	
Minnehaha	---	14	2	---	23	80	---	---	80	199	
Moody	---	250	---	---	90	---	---	---	160	500	
Pennington	---	220	320	---	10	171	---	---	135	856	
Perkins	50	50	---	---	20	---	---	---	30	150	
Potter	---	150	---	---	10	---	---	---	5	165	
Roberts	---	90	---	---	140	---	---	---	10	240	
Sanborn	---	8	---	---	45	---	---	---	10	63	
Shannon	---	70	---	---	100	---	---	---	100	270	
Spink	---	261	---	---	161	---	---	---	10	432	
Stanley	---	12	---	---	60	---	---	---	40	112	
Sully	---	45	---	---	---	---	---	---	227	272	
Todd	---	50	---	---	70	---	---	---	---	120	
Tripp	---	50	---	---	---	---	---	---	---	50	
Turner	---	250	---	---	150	---	---	---	245	645	
Union	---	400	---	---	50	---	---	---	50	500	
Walworth	---	27	---	---	30	---	---	---	27	84	
Washabaugh	---	50	---	---	30	---	---	---	170	250	
Yankton	---	80	5	---	265	15	---	---	50	415	
Ziebach	50	100	---	---	50	---	---	---	100	300	
Total	890	10,153	5,259	---	6,826	695	---	---	7,149	30,972	

1/Based on information from Soil Conservation Service state office

Table 48. -- Status of land disturbed by surface mining in Tennessee as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Anderson	3,716	---	---	208	---	---	29,500	33,424
Bedford	---	---	---	---	---	---	---	---
Benton	---	2,000	150	---	350	25	800	3,325
Bledsoe	150	---	---	175	---	---	200	525
Blount	---	---	---	---	---	---	---	---
Bradley	---	75	---	---	50	---	50	175
Campbell	8,456	50	---	483	25	---	31,000	40,014
Cannon	---	---	---	---	---	---	---	---
Carroll	---	40	100	---	20	---	50	210
Carter	---	---	150	---	---	---	---	150
Cheatham	---	---	---	---	---	---	---	---
Chester	---	50	---	---	---	---	---	50
Claiborne	3,116	---	---	---	---	---	4,000	7,116
Clay	---	---	---	---	---	---	---	---
Cocke	---	---	---	---	---	---	---	---
Coffee	---	---	---	---	---	---	---	---
Crockett	---	---	---	---	---	---	---	---
Cumberland	203	---	200	105	---	---	---	508
Davidson	---	---	---	---	---	---	---	---
Decatur	---	200	---	---	75	---	---	275
Dekalb	---	---	---	---	---	---	---	---
Dickson	---	50	---	---	---	---	---	50
Dyer	---	---	---	---	---	---	---	---
Fayette	---	---	---	---	---	---	---	---
Fentress	195	---	50	430	---	---	---	675
Franklin	---	75	---	---	15	---	---	90
Gibson	---	---	100	---	---	---	---	150
Giles	---	---	---	---	---	50	---	---
Grainger	---	---	---	---	---	---	---	---
Greene	---	---	---	---	---	---	---	---
Grundy	2,839	20	---	138	---	---	1,300	4,297
Hamblen	---	---	---	---	---	---	---	---
Hamilton	252	---	---	6	---	---	---	258
Hancock	---	---	---	---	---	---	---	---
Hardeman	---	---	---	---	---	---	---	---
Hardin	---	200	---	---	50	---	---	250

Table 48. -- Status of land disturbed by surface mining in Tennessee as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Hawkins	---	---	---	---	---	---	---	
Haywood	---	---	---	---	---	---	---	
Henderson	---	200	---	---	50	---	250	
Henry	---	200	100	---	25	400	925	
Hickman	---	150	50	---	30	75	805	
Houston	---	---	30	---	10	---	40	
Humphreys	---	200	---	---	25	---	275	
Jackson	---	---	---	---	---	---	---	
Jefferson	---	---	---	---	---	---	---	
Johnson	---	---	100	---	---	---	100	
Knox	---	---	---	---	---	---	---	
Lake	---	---	---	---	---	---	---	
Lauderdale	---	275	---	---	20	---	295	
Lawrence	---	100	---	---	---	---	100	
Lewis	---	210	---	---	---	---	210	
Lincoln	---	---	---	---	---	---	---	
Loudon	---	---	210	---	---	5	240	
McMinn	---	---	190	---	---	10	200	
McNairy	---	100	---	---	---	---	100	
Macon	---	---	---	---	---	---	---	
Madison	---	40	---	---	---	---	40	
Marion	1,004	---	---	77	---	---	1,431	
Marshall	---	---	50	---	---	50	400	
Mauzy	---	---	75	---	---	500	28,575	
Meigs	---	---	---	---	---	---	---	
Monroe	---	---	---	---	---	---	---	
Montgomery	---	---	---	---	---	---	---	
Moore	---	---	---	---	---	---	---	
Morgan	2,883	---	---	659	---	---	5,042	
Obion	---	---	---	---	---	---	---	
Overton	---	---	---	42	---	---	162	
Perry	100	175	---	---	---	---	175	
Pickett	---	---	---	---	---	---	---	
Polk	---	---	---	75	---	---	75	
Putnam	525	---	---	---	---	---	600	
Rhea	---	---	---	---	---	---	---	

Table 48. -- Status of land disturbed by surface mining in Tennessee as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation								Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law				Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel		
Roane-----	---	---	200	---	---	---	---	---	100	300
Robertson-----	---	---	---	---	---	---	---	---	---	---
Rutherford-----	---	---	---	---	---	---	---	---	---	---
Scott-----	4,310	---	---	634	---	---	---	---	2,856	7,800
Sequatchie-----	674	---	---	14	---	---	---	---	800	1,488
Sevier-----	---	---	---	---	---	---	---	---	---	---
Shelby-----	---	390	---	---	50	---	---	---	60	500
Smith-----	---	---	---	---	---	---	---	---	---	---
Stewart-----	---	---	---	---	---	---	---	---	---	---
Sullivan-----	---	---	---	---	---	---	---	---	---	---
Summer-----	---	---	---	---	---	---	---	---	200	200
Tipton-----	---	---	---	---	---	---	---	---	---	---
Trousdale-----	---	---	---	---	---	---	---	---	---	---
Unicoi-----	---	---	---	---	---	---	---	---	---	---
Union-----	---	---	---	---	---	---	---	---	---	---
Van Buren-----	1,160	---	---	---	---	---	---	---	2,000	3,160
Warren-----	---	---	---	---	---	---	---	---	---	---
Washington-----	---	---	---	---	---	---	---	---	---	---
Wayne-----	---	150	---	---	15	---	---	---	---	165
Weakley-----	---	---	550	---	---	30	---	---	150	730
White-----	---	---	---	81	---	---	---	---	---	81
Williamson-----	---	---	---	---	---	---	---	---	500	500
Wilson-----	---	---	---	---	---	---	---	---	---	---
Total	29,583	4,950	2,305	3,127	810	1,135	104,596	146,506		

1/Based on information from Soil Conservation Service state office

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Anderson	---	300	---	---	---	---	500	
Andrews	---	340	---	---	---	---	340	
Angelina	---	400	800	---	---	---	1,400	
Aransas	---	---	---	---	---	---	---	
Archer	---	300	---	---	---	---	300	
Armstrong	---	10	---	---	---	---	26	
Atascosa	---	250	65	---	100	90	505	
Austin	---	25	---	---	---	---	1,900	
Bailey	---	---	160	---	---	---	160	
Bandera	---	170	---	---	---	---	220	
Bastrop	---	100	---	---	---	---	100	
Baylor	---	133	---	---	---	---	233	
Bee	---	---	660	---	---	---	660	
Bell	---	550	---	---	25	---	825	
Bexar	---	1,888	2,897	---	---	---	5,085	
Blanco	---	25	---	---	---	---	25	
Borden	---	30	---	---	---	---	50	
Bosque	---	650	150	---	---	---	800	
Bowie	---	325	---	---	---	---	3,375	
Brazoria	---	2,600	---	---	600	---	4,200	
Brazos	---	750	---	---	---	---	750	
Brewster	---	---	---	---	---	---	1,600	
Briscoe	---	65	---	---	---	---	65	
Brooks	---	---	---	---	---	---	---	
Brown	---	675	---	---	25	---	775	
Burleson	---	200	---	---	---	---	400	
Burnet	---	30	770	---	---	---	880	
Callwell	---	605	---	---	60	---	665	
Callahan	---	5	---	---	---	---	5	
Callahan	---	575	---	---	---	---	599	
Cameron	---	---	---	---	---	---	---	
Camp	---	643	---	---	150	---	473	
Carson	---	---	23	---	---	---	23	
Cass	---	600	2,400	---	250	500	4,500	
Castro	---	41	---	---	---	---	41	
Chambers	---	150	---	---	---	---	150	

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Cherokee	---	140	1,600	---	20	40	1,000	2,800
Childress	---	50	22	---	---	---	---	72
Clay	---	120	---	---	---	---	5	125
Cochran	---	---	33	---	---	---	---	33
Coke	---	200	50	---	---	---	---	250
Coleman	---	108	---	---	---	---	112	220
Collin	---	421	---	---	20	---	75	516
Collingsworth	---	170	---	---	---	---	---	170
Colorado	---	23,500	---	---	500	---	500	24,500
Comal	---	---	819	---	---	30	215	1,064
Comanche	---	33	---	---	---	---	---	33
Concho	---	---	65	---	---	---	---	65
Cooke	---	800	1,000	---	---	---	---	1,800
Coryell	---	50	---	---	---	---	---	50
Cottle	---	25	---	---	---	---	---	25
Crane	---	1,804	---	---	---	---	---	1,804
Crockett	---	200	---	---	50	---	150	400
Crosby	---	1,018	149	---	---	---	---	1,167
Culberson	---	6	6	---	---	---	---	12
Dallam	---	---	101	---	---	---	---	101
Dallas	---	13,600	---	---	200	---	2,700	16,500
Dawson	---	---	28	---	---	---	---	28
Deaf Smith	---	---	---	---	---	---	---	---
Delta	---	---	---	---	---	---	---	---
Denton	---	3,570	---	---	60	---	200	3,830
De Witt	---	2,000	500	---	300	50	1,000	3,850
Dickens	---	300	---	---	---	---	---	300
Dimmit	---	6	250	---	---	---	---	256
Donley	---	62	---	---	---	---	24	86
Duval	---	1,000	---	---	---	---	---	1,000
Eastland	---	25	5	---	---	---	---	30
Ector	---	760	---	---	---	---	---	760
Edwards	---	---	1,000	---	---	50	20	1,070
Ellis	---	950	---	---	---	---	---	950
El Paso	---	200	800	---	---	---	300	1,300
Erath	100	100	---	---	---	---	---	200

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Falls	---	260	---	---	---	---	260
Fannin	---	800	---	---	---	---	950
Fayette	---	465	200	---	---	---	700
Fisher	---	100	1,195	---	---	---	1,295
Floyd	---	50	---	---	50	---	175
Foard	---	3	---	---	---	5	8
Ford Bend	---	500	---	---	---	---	500
Franklin	---	150	50	---	---	75	275
Freestone	---	1,000	300	700	300	6,000	8,330
Frio	---	240	---	---	48	24	312
Gaines	---	250	---	---	---	---	250
Galveston	---	900	---	---	300	300	1,500
Garza	---	280	50	---	---	---	330
Gillespie	---	---	68	---	---	---	68
Glasscock	---	150	---	---	---	50	200
Goliad	---	---	193	---	---	35	228
Gonzales	---	300	100	---	---	250	770
Gray	---	800	200	---	50	200	1,250
Grayson	---	1,500	---	---	10	400	1,900
Gregg	---	200	---	---	---	100	310
Grimes	---	228	30	---	---	---	258
Guadalupe	---	250	10	---	3	25	291
Hale	---	---	375	---	---	---	375
Hall	---	---	---	---	---	---	---
Hamilton	---	70	---	---	---	---	70
Hansford	---	---	20	---	---	---	20
Hardeman	---	4	60	---	---	30	94
Hardin	---	---	---	---	---	70	70
Harris	---	1,015	1,156	---	50	150	2,431
Harrison	500	1,100	300	1,500	150	1,200	4,850
Hartley	---	---	49	---	---	---	49
Haskell	---	495	---	---	---	182	677
Hays	---	614	80	---	---	---	694
Hemphill	---	100	300	---	---	80	580
Henderson	325	700	500	---	---	100	1,625
Hidalgo	---	2,850	160	---	210	5	3,705

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Hill	---	50	400	---	---	---	450
Hockley	---	---	750	---	---	---	---
Hood	---	25	---	---	20	---	45
Hopkins	---	800	---	150	15	---	700
Houston	---	120	130	---	---	15	120
Howard	---	1,500	---	---	---	---	500
Hudspeth	---	10	25	---	4	---	---
Hunt	---	250	---	---	---	---	50
Hutchinson	---	100	---	---	50	---	---
Irion	---	11	---	---	---	---	---
Jack	---	60	---	---	---	---	---
Jackson	---	63	---	---	---	---	43
Jasper	---	50	300	---	---	---	100
Jeff Davis	---	---	---	---	---	---	---
Jefferson	---	---	---	---	---	---	---
Jim Hogg	---	25	---	---	---	---	---
Jim Wells	---	---	300	---	---	---	50
Johnson	---	550	584	---	---	---	---
Jones	---	1,602	---	---	---	---	---
Karnes	---	---	1,923	---	---	2,521	---
Kaufman	---	500	100	---	---	---	105
Kendall	---	---	---	---	---	---	---
Kenedy	---	---	---	---	---	---	---
Kent	---	10	---	---	---	---	100
Kerr	---	60	---	---	---	---	---
Kimble	---	150	---	---	25	---	40
King	---	5	---	---	---	---	---
Kinney	---	90	---	---	---	---	---
Kleberg	---	---	100	---	---	---	25
Knox	---	32	---	---	---	---	---
Lamar	---	---	---	---	---	---	---
Lamb	---	580	---	---	---	---	---
Lampasas	---	50	---	---	---	---	---
La Salle	---	25	---	---	25	---	200
Lavaca	---	70	260	---	---	---	50
Lee	---	635	---	---	40	---	10
							900
							750
							45
							1,665
							385
							2,000
							39
							300
							150
							11
							60
							106
							450

							25
							350
							1,134
							1,602
							4,444
							605
							100

							110
							60
							215
							5
							90
							125
							32

							580
							50
							250
							380
							685

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law				Reclamation required by law					
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel		
Leon	---	300	---	---	30	---	---	---	---	330
Liberty	---	1,435	---	---	---	---	---	150	---	1,585
Limestone	---	411	300	---	---	---	---	---	---	711
Lipscomb	---	42	---	---	---	---	---	---	---	42
Live Oak	---	15	470	---	---	125	---	60	---	670
Llano	---	12	50	---	---	---	---	---	---	62
Loving	---	5	15	---	---	---	---	---	---	20
Lubbock	---	---	110	---	75	---	---	---	---	185
Lynn	---	85	65	---	---	---	---	5	---	155
McCulloch	---	75	---	---	---	---	---	25	---	100
McLennan	---	3,500	500	---	---	---	---	400	---	4,400
McMullen	---	665	---	---	---	---	---	---	---	665
Madison	---	10	---	---	---	---	---	---	---	10
Marion	---	300	500	---	135	150	---	300	---	1,385
Martin	---	---	---	---	---	---	---	---	---	---
Mason	---	20	10	---	---	---	---	3	---	33
Matagorda	---	---	---	---	---	---	---	---	---	---
Maverick	20	145	55	---	---	---	---	33	---	253
Medina	---	158	29	---	---	---	---	3	---	190
Menard	---	---	---	---	---	---	---	---	---	---
Midland	---	---	---	---	---	---	---	---	---	---
Milam	2,250	210	---	125	---	---	---	625	---	3,210
Mills	---	75	25	---	125	---	---	50	---	300
Mitchell	---	291	---	---	20	25	---	---	---	311
Montague	---	3,216	---	---	250	---	---	---	---	6,466
Montgomery	---	12	---	---	---	---	---	8	---	20
Moore	---	200	2,500	---	---	---	---	300	---	3,000
Morris	---	45	---	---	---	---	---	5	---	50
Motley	---	300	300	---	---	---	---	300	---	900
Nacogdoches	---	500	75	---	---	---	---	---	---	575
Navarro	---	75	200	---	---	---	---	175	---	450
Newton	---	425	285	---	---	---	---	75	---	785
Nolan	---	645	5	---	---	---	---	300	---	950
Nueces	---	135	---	---	---	---	---	---	---	135
Ochiltree	---	---	---	---	---	---	---	---	---	---

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation				Reclamation required by law			Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law		Other mined areas		Coal mines	Sand and gravel	Other mined areas		
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	Total land disturbed	
Oldham	---	800	50	---	---	---	---	850	
Orange	---	---	---	---	---	---	---	---	
Palo Pinto	---	250	---	---	---	---	---	250	
Panola	---	150	---	250	---	---	25	425	
Parker	---	650	---	---	---	---	60	710	
Parmer	---	---	---	---	---	---	---	---	
Pecos	---	2,040	---	---	---	---	---	2,040	
Polk	---	350	1,300	---	200	150	50	2,050	
Potter	---	13,775	---	---	10	---	200	13,975	
Presidio	---	---	---	---	---	---	---	10	
Rains	---	75	---	---	---	---	75	150	
Randall	---	200	---	---	---	---	100	300	
Reagan	---	46	---	---	---	---	---	46	
Real	---	---	300	---	---	20	10	330	
Red River	---	---	---	---	---	---	---	---	
Reeves	---	1,020	1,260	---	---	---	---	2,280	
Refugio	---	---	---	---	---	---	---	---	
Roberts	---	75	---	---	---	---	15	90	
Robertson	---	1,370	---	---	---	---	---	1,370	
Rockwall	---	---	---	---	---	---	72	72	
Runnels	---	350	---	---	10	---	---	360	
Rusk	---	300	29	---	---	30	75	434	
Sabine	---	415	---	---	---	---	140	555	
San Augustine	---	335	---	---	---	---	60	395	
San Jacinto	---	3,000	500	---	600	200	200	4,500	
San Patricio	---	2,000	30	---	100	---	800	2,930	
San Saba	---	50	20	---	---	---	15	85	
Schleicher	---	3	---	---	10	---	---	13	
Scurry	---	80	---	---	---	---	100	180	
Shackelford	---	45	15	---	---	---	15	75	
Shelby	---	300	---	---	---	---	200	500	
Sherman	---	47	---	---	---	---	---	47	
Smith	---	420	---	---	---	---	630	1,050	
Somervell	---	---	---	---	---	---	261	261	
Starr	---	398	200	---	---	---	200	798	
Stephens	---	100	---	---	---	---	50	150	

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Sterling	---	100	---	---	---	---	120	
Stonewall	---	712	---	---	---	---	1,138	
Sutton	---	1,000	---	---	---	---	1,000	
Swisher	---	78	---	---	---	---	78	
Tarrant	---	5,591	510	---	100	---	9,274	
Taylor	---	2,000	---	---	100	---	2,200	
Terrell	---	---	---	---	---	---	---	
Terry	---	---	60	---	---	---	80	
Throckmorton	---	---	---	---	---	---	---	
Titus	---	250	---	1,000	---	---	1,250	
Tom Green	---	2,500	---	---	---	---	3,500	
Travis	---	1,320	450	---	400	200	2,520	
Trinity	---	175	50	---	---	---	275	
Tyler	---	125	---	---	---	---	175	
Upshur	---	800	---	---	50	---	1,250	
Upton	---	58	---	---	---	---	58	
Uvalde	---	85	1,075	---	45	75	1,330	
Val Verde	---	---	---	---	---	---	---	
Van Zandt	---	200	---	---	---	---	350	
Victoria	---	2,600	---	---	200	---	2,800	
Walker	---	260	90	---	10	---	410	
Waller	---	350	---	---	25	---	2,875	
Ward	---	1,260	---	---	---	---	1,260	
Washington	---	400	---	---	---	---	500	
Webb	100	400	1,000	---	---	---	2,400	
Wharton	---	300	50	---	---	300	380	
Wheeler	---	178	---	---	---	---	178	
Wichita	---	150	---	---	---	---	180	
Wilbarger	---	33	---	---	---	---	40	
Willacy	---	---	---	---	---	---	---	
Williamson	---	236	---	---	4	---	316	
Wilson	---	20	---	---	---	---	22	
Winkler	---	150	---	---	---	---	150	
Wise	10	480	---	---	80	---	740	
Wood	---	1,800	---	---	---	---	2,800	

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Yoakum-----	---	---	---	---	---	---	---	---	---
Young-----	5	225	---	---	---	---	---	75	305
Zapata-----	---	120	---	---	---	---	---	20	140
Zavala-----	---	100	---	---	---	---	---	14	114
Total	3,310	152,457	37,104	3,725	6,289	4,989	48,456		256,330

1/Based on information from Soil Conservation Service state office

Table 50. -- Status of land disturbed by surface mining in Utah as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation
Beaver-----	---	10	25	---	115	306	67
Box Elder-----	---	2,000	240	---	2,000	240	---
Cache-----	---	5	---	---	352	---	11
Carbon-----	---	20	---	---	---	---	40
Daggett-----	---	---	---	---	---	10	50
Davis-----	---	108	---	---	75	---	127
Duchesne-----	---	100	---	---	70	30	---
Emery-----	---	---	---	---	20	---	---
Garfield-----	---	---	---	3	58	60	---
Grand-----	30	55	417	30	45	175	2,529
Iron-----	---	15	---	---	25	2,000	250
Juab-----	---	---	21	---	3	146	---
Kane-----	200	400	---	---	50	---	---
Millard-----	---	50	---	---	300	50	---
Morgan-----	5	5	50	---	30	740	100
Piute-----	---	---	89	---	15	24	---
Rich-----	---	---	300	---	---	---	120
Salt Lake-----	---	184	40	---	676	---	140
San Juan-----	75	95	847	85	135	225	3,492
Sanpete-----	---	10	---	---	60	20	30
Sevier-----	115	690	1,975	---	88	---	65
Summit-----	200	100	100	15	100	300	200
Tooele-----	---	24	73	---	30	150	200
Uintah-----	10	20	10	---	10	40	100
Utah-----	---	60	215	---	230	470	---
Wasatch-----	---	28	12	---	---	---	---
Washington-----	---	20	---	---	---	---	---
Wayne-----	---	---	---	---	---	---	---
Weber-----	---	---	---	---	150	---	---
Total	635	3,999	4,414	133	4,637	10,216	7,521
							31,555

1/Based on information from Soil Conservation Service State office.

Table 51. -- Status of land disturbed by surface mining in Vermont as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Addison	---	100	---	---	200	---	50	350
Bennington	---	415	18	---	32	---	180	645
Caledonia	---	25	---	---	8	---	---	33
Chittenden	---	650	60	---	---	---	125	835
Essex	---	5	---	---	3	---	---	8
Franklin	---	1,250	100	---	---	---	250	1,600
Grand Isle	---	75	25	---	---	---	20	120
Lamoille	---	250	---	---	---	---	250	500
Orange	---	50	75	---	60	50	100	335
Orleans	---	72	250	---	---	---	---	322
Rutland	---	200	400	---	---	---	---	600
Washington	---	408	1,150	---	22	---	375	1,955
Windham	---	327	---	---	2	---	136	465
Windsor	---	50	---	---	50	10	50	160
Total	---	3,877	2,078	---	377	60	1,536	7,928

1/Based on information from Soil Conservation Service state office

Table 52. -- Status of land disturbed by surface mining in Virginia as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Accomack	---	45	---	---	---	---	62
Alleghany	---	---	---	---	---	50	100
Alleghany	---	56	35	---	---	42	133
Amelia	---	---	---	---	---	---	---
Amherst	---	---	50	---	100	100	300
Appomattox	---	---	---	---	25	25	25
Arlington	---	---	---	---	---	---	---
Augusta	---	66	30	---	95	---	227
Bath	---	---	4	---	---	---	13
Bedford	---	---	25	---	---	9	25
Bland	---	30	120	---	35	---	205
Botetourt	---	15	---	---	535	450	1,015
Brunswick	---	---	---	---	3	2	7
Buchanan	4,372	---	---	2,755	---	---	23,127
Buckingham	---	---	60	---	---	---	60
Campbell	---	---	---	---	---	150	175
Caroline	---	---	---	---	30	---	30
Carroll	---	---	---	---	---	16	16
Charles City	---	---	12	---	257	---	455
Charlotte	---	---	---	---	---	---	---
Chesterfield	---	25	15	---	10	10	360
Clarke	---	---	3	---	---	---	4
Craig	---	---	---	---	250	---	250
Culpeper	---	---	---	---	5	---	15
Cumberland	---	---	---	---	---	---	---
Dickenson	3,484	---	---	1,377	---	---	19,421
Dinwiddie	---	---	---	---	---	---	50
Essex	---	1	---	---	1	4	6
Fairfax	---	40	---	---	---	2	32
Fauquier	---	---	---	---	---	---	40
Floyd	---	---	---	---	4	---	7
Fluvanna	---	---	---	---	---	---	15
Franklin	---	---	2	---	---	---	5
Frederick	---	3	2	---	---	8	15
Giles	---	---	10	---	---	---	5
Gloucester	---	73	---	---	---	65	100
Gloucester	---	---	---	---	---	---	88

Table 52. -- Status of land disturbed by surface mining in Virginia as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Total land disturbed
	Reclamation not required by any law			Reclamation required by law			
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	
Goochland	---	---	---	---	---	5	355
Grayson	---	---	---	---	---	---	---
Greene	---	---	---	---	---	---	---
Greensville	---	58	---	---	143	---	201
Halifax	---	40	---	---	25	---	105
Hanover	---	---	---	---	---	100	150
Henrico	---	1,180	---	---	625	50	2,480
Henry	---	---	---	---	---	18	38
Highland	---	---	11	---	---	1	19
Isle of Wight	---	---	---	---	---	---	---
James City	---	---	50	---	---	70	180
King and Queen	---	3	---	---	---	---	4
King George	---	32	---	---	21	---	82
King William	---	1	---	---	1	---	3
Lancaster	---	45	---	---	20	---	65
Lee	1,042	60	---	295	42	---	5,404
Loudoun	---	---	65	---	---	265	360
Louisa	---	---	---	---	10	---	40
Lunenburg	---	---	---	---	---	---	13
Madison	---	---	---	---	---	---	---
Mathews	---	---	---	---	---	---	---
Mecklenburg	---	---	---	---	---	---	25
Middlesex	---	27	---	---	---	---	---
Montgomery	20	10	---	---	50	40	48
Nansemond	---	---	---	---	---	---	120
Nelson	---	---	80	---	---	---	---
New Kent	---	---	---	---	20	60	300
Northampton	---	---	---	---	200	---	235
Northumberland	---	30	---	---	---	---	40
Nottoway	---	15	---	---	15	---	30
Orange	---	185	---	---	---	---	197
Page	---	---	---	---	---	---	---
Patrick	---	---	---	---	25	---	35
Pittsylvania	---	25	---	---	---	---	---
Powhatan	---	---	---	---	50	---	108
Prince Edward	---	4	---	---	2	2	22
	---	---	---	---	---	180	187

Table 52. -- Status of land disturbed by surface mining in Virginia as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Prince George-----	---	430	---	---	440	---	---	---	870
Prince William-----	---	---	25	---	---	8	64	---	97
Pulaski-----	---	---	---	---	103	40	---	---	143
Rappahannock-----	---	---	---	---	2	---	4	---	6
Richmond-----	---	30	---	---	20	---	---	---	50
Roanoke-----	---	30	7	---	87	---	---	---	124
Rockbridge-----	---	125	---	---	10	---	5	---	140
Rockingham-----	---	---	---	---	50	75	15	---	140
Russell-----	1,104	85	---	655	66	---	6,075	---	7,985
Scott-----	---	---	---	50	10	30	---	---	90
Shenandoah-----	---	---	---	---	---	---	35	---	35
Smyth-----	---	20	230	---	---	---	200	---	450
Southampton-----	---	4	---	---	---	---	3	---	7
Spotsylvania-----	---	188	---	---	47	---	856	---	1,091
Stafford-----	---	204	---	---	30	---	45	---	279
Surry-----	---	---	---	---	---	---	---	---	---
Sussex-----	---	---	---	---	---	---	---	---	---
Tazewell-----	2,283	76	---	310	47	---	5,950	---	8,666
Warren-----	---	---	---	---	40	---	12	---	52
Washington-----	---	---	35	---	---	50	---	---	85
Westmoreland-----	---	25	---	---	20	---	---	---	45
Wise-----	11,419	30	---	2,780	35	---	18,750	---	33,014
Wythe-----	---	120	15	---	---	---	400	---	535
York-----	---	274	---	---	---	107	58	---	439
Cities									
Chesapeake-----	---	23	---	---	330	---	189	---	542
Suffolk-----	---	32	365	---	20	15	400	---	832
Virginia Beach-----	---	23	---	---	---	---	8	---	31
Total	23,724	3,788	1,251	8,222	3,929	2,003	70,060	---	112,977

1/Based on information from Soil Conservation Service state office

Table 53. -- Status of land disturbed by surface mining in Washington as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	260	---	---	110	---	370	
Asotin	---	12	---	---	6	---	24	
Benton	---	570	---	---	250	---	820	
Chelan	---	76	10	---	124	15	235	
Clallam	---	70	14	---	164	16	264	
Clark	---	188	---	---	1,012	---	1,450	
Columbia	---	16	---	---	5	---	25	
Cowlitz	---	775	---	---	250	---	1,355	
Douglas	---	50	---	---	100	---	160	
Ferry	---	75	20	---	10	2	108	
Franklin	---	---	---	---	15	---	15	
Garfield	---	---	---	---	---	---	96	
Grant	---	685	225	---	40	---	2,972	
Grays Harbor	---	---	877	---	95	15	987	
Island	---	---	---	---	360	---	360	
Jefferson	---	---	---	---	47	21	68	
King	44	837	162	---	289	95	2,586	
Kitsap	---	10	100	---	575	55	765	
Kittitas	---	300	200	---	60	40	620	
Klickitat	---	34	---	---	27	1	105	
Lewis	---	---	---	490	55	225	5,570	
Lincoln	---	1,462	30	---	---	---	1,492	
Mason	---	30	10	---	50	10	120	
Okanogan	---	50	100	---	80	50	530	
Pacific	---	---	---	---	10	---	10	
Pend Oreille	---	3	---	---	190	30	233	
Pierce	---	1,000	500	---	5,100	100	6,850	
San Juan	---	14	71	---	40	5	130	
Skagit	---	152	38	---	150	30	370	
Skamania	3	---	---	---	783	---	786	
Snohomish	---	957	220	---	127	60	1,364	
Spokane	---	1,010	65	---	---	---	1,075	
Stevens	---	60	5,319	---	400	100	6,030	
Thurston	---	100	40	700	400	60	1,700	
Wahkiakum	---	20	5	---	---	5	30	
Walla Walla	---	---	---	---	220	---	540	

Table 53. -- Status of land disturbed by surface mining in Washington as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Whatcom-----	1	260	43	---	578	139	17	1,038	
Whitman-----	---	125	---	---	25	---	---	150	
Yakima-----	---	500	125	---	75	---	150	850	
Total	48	9,701	8,174	1,190	11,822	1,073	10,245	42,253	

1/Based on information from Soil Conservation Service state office

Table 54. -- Status of land disturbed by surface mining in West Virginia as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Barbour	4,323	---	---	1,069	---	---	9,878	15,270	
Berkeley	---	1,090	97	---	---	---	---	1,187	
Boone	15,139	12	---	73	---	---	5,942	21,166	
Braxton	73	3	---	45	---	---	483	604	
Brooke	652	---	---	91	---	---	3,205	3,948	
Cabell	---	10	6	---	---	---	---	16	
Calhoun	---	---	---	---	---	---	---	---	
Clay	531	---	---	6	---	---	354	891	
Doddridge	---	---	---	---	---	---	---	---	
Fayette	5,573	42	13	190	---	---	11,637	17,455	
Gilmer	---	---	---	4	---	---	1,188	1,192	
Grant	1,886	435	---	270	---	---	392	2,983	
Greenbrier	2,550	381	19	18	---	---	2,813	5,781	
Hampshire	---	---	---	15	---	---	---	15	
Hancock	134	106	---	5	---	---	353	598	
Hardy	---	---	---	---	---	---	---	---	
Harrison	3,355	74	26	339	---	---	22,935	26,729	
Jackson	---	---	---	---	---	---	---	---	
Jefferson	---	425	19	---	---	---	---	444	
Kanawha	14,331	23	26	575	---	---	10,596	25,551	
Lewis	4,009	5	---	98	---	---	7,496	11,608	
Lincoln	---	---	---	---	---	---	130	130	
Logan	2,419	4	---	776	---	---	4,101	7,300	
McDowell	4,408	---	26	---	---	---	8,559	12,993	
Marion	136	50	---	82	---	---	459	727	
Marshall	---	---	---	---	---	---	---	---	
Mason	---	---	---	7	---	---	342	349	
Mercer	---	177	26	---	---	---	5,578	5,781	
Mineral	258	277	---	178	---	---	1,168	1,881	
Mingo	4,045	15	---	400	---	---	4,186	8,646	
Monongalia	1,369	25	19	421	---	---	2,184	4,018	
Monroe	---	---	26	---	---	---	---	26	
Morgan	---	300	387	---	---	---	---	687	
Nicholas	1,360	12	26	315	---	---	4,028	5,741	
Ohio	---	---	---	---	---	---	81	81	
Pendleton	---	204	19	---	---	---	---	223	

Table 54. -- Status of land disturbed by surface mining in West Virginia as of July 1, 1977, by counties (continued) 1/
 [Acres; dashes indicate none]

County	Land needing reclamation										Total land disturbed	
	Reclamation not required by any law					Reclamation required by law						
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation		
Pleasants-----	---	---	---	---	---	---	---	---	---	---	---	---
Pocahontas-----	93	62	---	---	---	---	---	---	---	271	426	426
Preston-----	4,224	23	39	---	---	---	964	---	---	9,567	14,817	14,817
Putnam-----	---	---	19	---	---	---	---	---	---	---	19	19
Raleigh-----	5,315	---	31	---	---	---	560	---	---	4,874	10,780	10,780
Randolph-----	2,961	361	31	---	---	---	200	---	---	1,809	5,362	5,362
Ritchie-----	---	---	---	---	---	---	---	---	---	---	---	---
Roane-----	---	---	---	---	---	---	---	---	---	---	---	---
Summers-----	---	---	13	---	---	---	---	---	---	24	37	37
Taylor-----	---	---	---	---	---	---	185	---	---	2,593	2,778	2,778
Tucker-----	417	438	31	---	---	---	129	---	---	1,695	2,710	2,710
Tyler-----	---	---	---	---	---	---	---	---	---	---	---	---
Upshur-----	600	---	26	---	---	---	321	---	---	2,233	3,180	3,180
Wayne-----	18	---	13	---	---	---	---	---	---	60	91	91
Webster-----	678	---	19	---	---	---	---	---	---	1,212	1,909	1,909
Wetzel-----	---	---	---	---	---	---	136	---	---	---	136	136
Wirt-----	---	---	---	---	---	---	31	---	---	---	31	31
Wood-----	---	---	19	---	---	---	120	---	---	84	223	223
Wyoming-----	4,011	---	19	---	---	---	35	---	---	4,595	8,660	8,660
Total	84,868	4,554	995	7,658	---	---	---	---	---	137,105	235,180	235,180

1/Based on information from Soil Conservation Service state office

Table 55. -- Status of land disturbed by surface mining in Wisconsin as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	---	500	
Ashland	---	100	10	---	---	---	110	
Barron	---	790	---	---	195	---	985	
Bayfield	---	200	10	---	---	---	210	
Brown	---	700	400	---	---	---	1,400	
Buffalo	---	55	105	---	---	---	170	
Burnett	---	178	10	---	30	---	150	
Calumet	---	600	60	---	---	---	770	
Chippewa	---	5,100	50	---	---	1,000	6,150	
Clark	---	500	10	---	600	250	1,360	
Columbia	---	1,160	80	---	---	220	1,460	
Crawford	---	15	36	---	2	---	53	
Dane	---	3,000	---	---	800	---	5,800	
Dodge	---	592	92	---	---	---	684	
Door	---	500	300	---	600	200	1,650	
Douglas	---	240	10	---	---	---	370	
Dunn	---	203	69	---	---	---	272	
Eau Claire	---	312	100	---	---	---	532	
Florence	---	240	20	---	---	40	300	
Fond du Lac	---	700	275	---	725	210	2,060	
Forest	---	240	---	---	---	---	300	
Grant	---	180	900	---	60	311	1,501	
Green	---	95	270	---	---	20	385	
Green Lake	---	5	13	---	82	25	130	
Iowa	---	110	450	---	---	---	635	
Iron	---	100	25	---	---	---	125	
Jackson	---	21	1	---	---	---	22	
Jefferson	---	120	---	---	---	25	145	
Juneau	---	55	---	---	25	---	180	
Kenosha	---	200	---	---	1,050	---	2,450	
Kewaunee	---	500	100	---	65	25	700	
La Crosse	---	2	100	---	20	509	671	
Lafayette	---	78	---	---	---	60	138	
Langlade	---	68	---	---	23	45	136	
Lincoln	---	175	---	---	---	25	200	
Manitowoc	---	1,100	100	---	---	70	1,270	

Table 55. -- Status of land disturbed by surface mining in Wisconsin as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Marathon	---	6,600	300	---	900	200	4,500	12,500
Marquette	---	1,465	150	---	---	---	234	1,849
Marquette	---	---	12	---	33	35	3	83
Menominee	---	35	---	---	10	---	15	60
Milwaukee	---	200	50	---	300	100	100	750
Monroe	---	40	460	---	---	---	40	540
Oconto	---	1,085	---	---	---	---	35	1,120
Oneida	---	---	498	---	---	---	150	648
Outagamie	---	935	425	---	---	---	175	1,535
Ozaukee	---	500	---	---	215	---	100	815
Pepin	---	27	45	---	---	---	31	103
Pierce	---	244	---	---	40	---	100	384
Polk	---	950	40	---	50	---	50	1,090
Portage	---	400	120	---	275	---	240	1,035
Price	---	180	---	---	10	---	20	210
Racine	---	1,850	---	---	2,450	150	5,400	9,850
Richland	---	30	80	---	---	---	---	110
Rock	---	900	200	---	---	---	660	1,760
Rusk	---	405	---	---	54	---	350	809
St. Croix	---	800	125	---	60	40	225	1,250
Sauk	---	595	450	---	---	---	---	1,045
Sawyer	---	---	---	---	---	---	---	---
Shawano	---	600	80	---	660	---	120	1,460
Sheboygan	---	684	---	---	---	---	---	684
Taylor	---	900	---	---	---	---	600	1,500
Trempealeau	---	8	14	---	---	---	17	39
Vernon	---	100	---	---	---	---	30	130
Vilas	---	350	---	---	---	---	80	430
Walworth	---	50	---	---	200	---	300	550
Washburn	---	---	---	---	---	---	---	---
Washington	---	305	10	---	175	10	50	550

Table 55. -- Status of land disturbed by surface mining in Wisconsin as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation								Total land disturbed
	Reclamation not required by any law				Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Sand and gravel	Coal mines	Sand and gravel	Other mined areas	Land not requiring reclamation	
Maukesha-----	---	800	200	2,000	---	800	700	4,500	
Maupaca-----	---	750	75	---	---	---	---	825	
Maushara-----	---	140	10	---	---	---	125	275	
Winnebago-----	---	1,000	400	175	---	150	400	2,125	
Wood-----	---	445	215	---	---	---	50	710	
Total	---	41,607	7,555	11,884	---	2,865	21,605	85,516	

1/Based on information from Soil Conservation Service state office

Table 56. -- Status of land disturbed by surface mining in Wyoming as of July 1, 1977, by counties 1/
 [Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Albany-----	20	150	350	---	200	250	30	1,000
Big Horn-----	10	105	6,250	---	40	1,000	300	7,705
Campbell-----	20	200	20	1,280	500	---	320	2,340
Carbon-----	640	30	330	1,600	15	1,300	30	3,945
Converse-----	1	5	3	60	15	200	500	784
Crook-----	---	55	200	---	40	300	400	995
Fremont-----	100	210	300	---	600	2,500	500	4,210
Goshen-----	---	2	---	---	50	---	5	57
Hot Springs-----	50	15	10	---	20	5	10	110
Johnson-----	10	90	1,050	---	2,515	1,100	300	5,065
Laramie-----	---	40	---	---	32	80	75	227
Lincoln-----	500	100	250	2,000	170	500	560	4,080
Natrona-----	---	10	10	---	3	7	---	30
Niobrara-----	---	10	---	---	2	---	---	12
Park-----	1	306	3	---	64	3	155	532
Platte-----	---	10	80	---	4	2	100	196
Sheridan-----	300	200	20	7,088	80	40	100	7,828
Sublette-----	---	50	---	---	---	---	50	100
Sweetwater-----	8,000	2,000	1,000	50,000	3,000	2,000	2,000	68,000
Teton-----	---	2	---	---	3	---	1	6
Uinta-----	5	3	---	---	2	---	5	15
Washakie-----	---	80	---	---	160	---	20	260
Weston-----	---	---	2,500	---	150	3,500	50	6,200
Total	9,657	3,673	12,376	62,028	7,665	12,787	5,511	113,697

1/Based on information from Soil Conservation Service state office

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