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MINERAL PRODUCTION IN ILLINOIS IN 1962

W. L. Busch

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ABSTRACT

The value of minerals produced in Illinois in 1962 reached a record high of 631 million dollars. The total value of minerals produced in 1961 amounted to 604 million dollars. The previous record output was 615.8 million dollars in 1960. Illinois minerals include coal, oil, stone, sand and gravel, fluorspar, lead, zinc, and other items such as clay products, cement, and lime. The quantity and value of minerals produced in 1962 and for other years, are summarized in tables, maps, and charts of this report.

SUMMARY OF 1962 MINERAL PRODUCTION

Illinois mineral production in 1962 achieved a new all-time high of 631 million dollars in total value—the fourteenth year that such production has exceeded the half-billion dollar mark, and the seventh consecutive year that the state's mineral production value has been above 600 million dollars (tables 1 and 2).

The value of fuels produced in Illinois during 1962 amounted to about 67.6 percent of the value of all minerals (fig. 1). The increase in value of these fuels—coal and crude oil and associated products—over the 1961 value accounted for more than half of the 27 million dollar increase in the value of all minerals produced. The value of coal produced in 1962 showed a 10 million dollar increase over 1961, and the 1962 value of crude oil scored about a four million dollar increase over the 1961 oil value.

Stone products, which include crushed stone, cement, and lime, make up the second largest group of minerals produced in Illinois. As a group, these commodities contributed 15.2 percent of the 1962 total value. The tonnage and total value of crushed stone reported produced during 1962 showed a marked increase from the amounts reported in 1961. In fact, the 6.4 million dollar increase in the 1962 value of crushed stone over the 1961 value represents an increase of 14 percent. Although shipments of Portland cement showed an increase for 1962, shipments of masonry cement were down slightly in 1962 as compared to 1961. The value of lime produced in Illinois in 1962 registered a small increase over the 1961 value.

The 56.4 million dollars worth of products contributed by the Illinois clay manufacturing industry in 1962 represents 8.9 percent of the state's over-all mineral products value. The industry in general maintained a high level of activity throughout the year and matched the 1961 production total. Clay products of Illinois include face brick and common brick, structural tile, drain and sewer tile, refractories, pottery and white-ware.

Illinois sand and gravel production in 1962 showed an overall increase, as compared to 1961 totals, and furnished about 6.2 percent of the state's mineral products value. This group of minerals, which includes common sand and gravel, silica sand, and natural bonded molding sand, scored a 10 percent increase in 1962 over the 1961 total value.

Fluorspar, lead, and zinc, the other minerals produced in Illinois as a group, showed an increase in value over the 1961 combined value. These three minerals had a combined value of 13.3 million dollars in 1962, about 2.1 percent of the state's total mineral value. Tonnage figures for all three minerals were up in 1962. However, the tonnage increase for lead was not great enough to offset a decline in the value per ton, thereby making the 1962 total value less than the 1961 value of lead.

SUMMARY OF ILLINOIS MINERAL PRODUCTION BY COMMODITIES, 1941-1960

For those interested in studying the production performance of various minerals in Illinois covering a 20-year period, 1941-1960, table 2 of Circular 341, "Mineral Production in Illinois in 1961, contains such information. For each Illinois mineral, this table shows the quantity produced, the total value, and the average price per unit of production. Total state value also is given for each year.

Table 3 of the present report (1962) gives the percentage of state total value contributed by the various segments of the Illinois mineral industry and shows the changes in their relative importance for the 20-year period 1942-1961.

COAL

In 1962 Illinois was the fourth-ranking coal-producing state in the nation, exceeded only by West Virginia, Kentucky, and Pennsylvania (fig. 3). During 1962 Illinois produced over 48 million tons of coal, more than 11 percent of all coal produced in the United States (table 4).

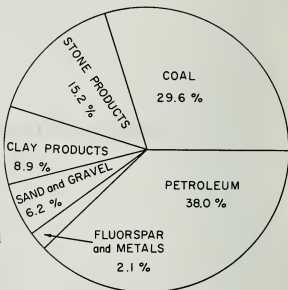
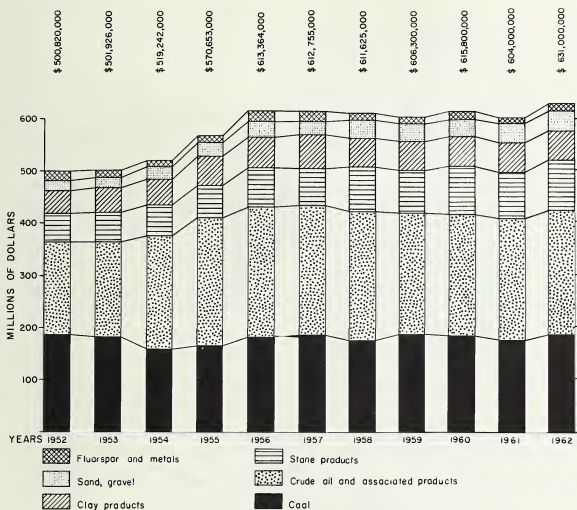


Fig. 1 - Value of Illinois mineral production in 1962 was 631 million dollars. Percentage contributions by the various segments of the Illinois mineral industry are shown above.



Illinois State Geological Survey

Fig. 2 - Value of Illinois mineral production compared for 1952 to 1962.

The value of coal produced in Illinois during 1962 amounted to 186.6 million dollars. Although the price per ton was slightly less in 1962, the increased tonnage in 1962 made the total value of this commodity worth 10 million dollars more than the 1961 value. Coal contributed about 29.6 percent to the state's total value of all mineral production in 1962.

It has been reported that the foremost reason for the 1962 tonnage gain was a 2.5 million ton increase in consumption by electric power utilities. Shipments to general manufacturing and processing industries, domestic consumers, and coke and gas plants also increased somewhat, but sales for railroad fuel declined slightly.

Production

The 1962 record for Illinois coal production is shown in tables 5 and 6. Table 5 summarizes the 1962 production in terms of tons of coal produced, type of

mine (strip or underground), number of mines, and the approximate value of the product for each producing county. Of the 35 counties producing coal, 14 produced more than one million tons each for a combined total of 92 percent of the state's 1962 output. Coal recovery by stripping methods was important in more than half of the producing counties in 1962 and accounted for more than 50 percent of the total tonnage.

The production of coal by counties since 1882, when mining records were begun, is shown in table 6. During this 81 year period, about 3.7 billion tons of coal has been recovered from Illinois mines. Of the 70 counties that have recorded coal production since 1882, 11 have produced more than 100 million tons of coal each, and as a group have accounted for more than three-fourths of the state's entire output. Table 6 also shows the total number of years that each county has produced coal since 1882 and the last year it produced coal.

Table 7 records the amount of coal produced by each coal producing county in Illinois during the 20-year period 1943-1962. Also given in this table are the state totals for coal production for the same years. Table 8, on the other hand, gives a complete summary of Illinois coal mining for the years 1943-1962 by showing not only total coal production for the state, but it also records the tonnages of coal mined in strip and underground mines, the number of mines, the number of producing counties, and the total employees for all mines during the two decades, 1943-1962.

The 35 Illinois counties that produced coal in 1962 are indicated by the county map in figure 4, with the intensity of mining activity illustrated by the degree of shading.

PETROLEUM

In 1962 the United States produced a total of more than 2.6 billion barrels of crude oil, a slight increase over the levels of production established in 1960 and 1961 (table 9). The ten leading oil-producing states accounted for more than 91 percent of the total production in 1962. Texas held the dominant position with about 35 percent of the nation's output. Louisiana, California, and Oklahoma, the three next highest-ranking producers, contributed a combined total of about 36 percent of the nation's production. The other six main oil-producing states—Wyoming, Kansas, New Mexico, Illinois, Mississippi, and Colorado—are comparatively small producers.

The oil and gas reserves of each state are estimated by the industry every year. Only the reserves that have been proved and can be recovered under existing economic and operating conditions (table 10) are included in the estimates. The

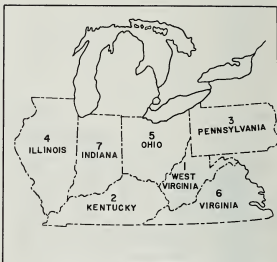


Fig. 3 - States that produced about 90 percent of the nation's bituminous coal in 1962.

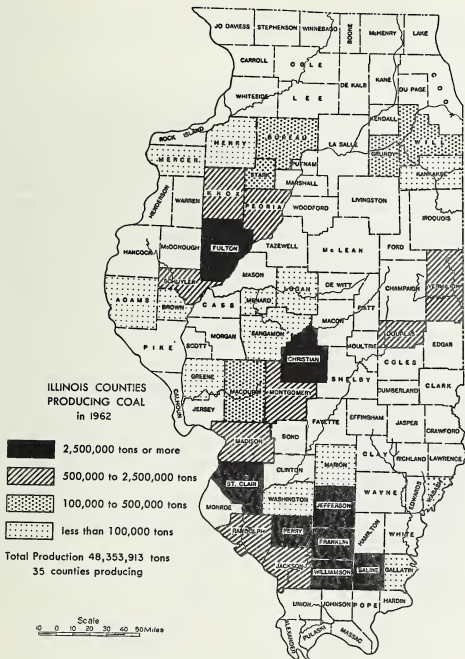


Fig. 4 - Illinois coal production by counties in 1962.

figures do not imply that all the oil or gas in a state or in the nation has been discovered, but they do represent a known amount of recoverable oil or gas (table 11) on a given date.

Illinois Oil Production

Illinois oil production for 1962 was estimated at 78,800,000 barrels, a slight increase over the 77,478,000 barrels produced in 1961. Peak production for Illinois was attained in 1940 when 147,647,000 barrels was produced (fig. 5), after which production gradually declined to a low of just over 59 million barrels in 1953. In 1954, through a combination of increased drilling and oil-well treatment techniques, such as fracturing and waterflooding, the downward trend was reversed and production increased to the 1956 postwar high of 82.3 million barrels. Although drilling has declined in recent years (table 12), production has remained fairly level because secondary methods of oil recovery in Illinois, chiefly waterflooding, have been contributing increasing amounts to the total oil produced. The average value for Illinois oil in 1962 was estimated at \$3.00 per barrel for a total of about 236.4 million dollars. Since 1954 the value of crude oil has been the largest single segment of the state's total annual mineral value. For 1962, Illinois crude oil, together with its associated products of gas and liquefied petroleum gases, accounted for about 38 percent of the state total.

Table 13 gives, by county, the estimated amount and value of oil produced in 1962 and each county's percentage of the state total. Also shown in this table are figures giving the total estimated oil production for each county for the period 1888 through 1962. The map in figure 6 shows the 40 counties in Illinois that produced oil in 1962 and indicates the major oil-producing counties. The map (fig. 7), which outlines most of southern Illinois and indicates the extent of the Illinois Basin, shows the relative sizes of the various oil fields together with the new fields discovered in 1962. Table 14 records by county the amount of oil produced during the 10-year period 1953-1962.

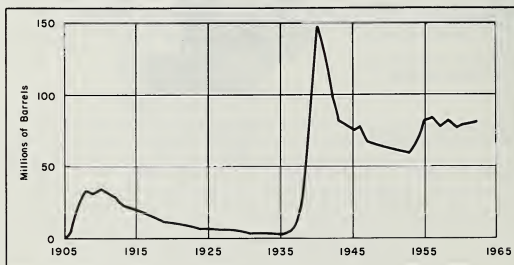


Fig. 5 - Illinois production of crude oil, 1905-1962.

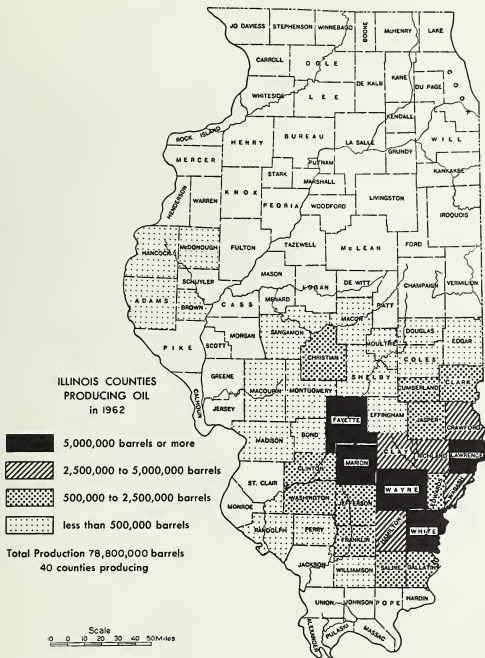


Fig. 6 - Illinois oil production by counties in 1962.

1. Old Ripley North
2. Bulpitt South
3. Wamac West
4. Mattoon South
5. Wapella East
6. Kell West
7. Hillsboro
8. Eden (Gas)
9. Roby North
10. Fancher
11. Pyramid
12. Pittsburg North (Gas)

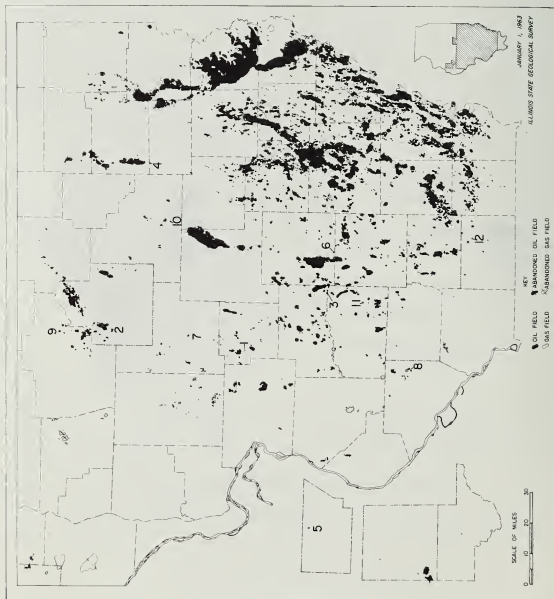


Fig. 7 - Oil and gas pools discovered in Illinois in 1962.

STONE, SAND, AND GRAVEL

Stone

During 1962 Illinois quarry operators produced 38.5 million tons of crushed and broken stone, which was valued at 52.3 million dollars. The tonnage reported for 1962 is about 15 percent more than the 33.5 million tons reported for 1961. In 1962 crushed stone used for building and road purposes recorded a marked increase as compared to the amount of stone used for these purposes in 1961. The average value of stone produced in 1962 was \$1.36 per ton, compared to the 1961 average value of \$1.37 per ton. The total value of stone reported for 1961 was almost 46 million dollars.

Crushed limestone and dolomite production is summarized, under five important uses, in table 15, which shows final figures for a number of years. A detailed accounting is given in table 16 of stone production in Illinois according to region (fig. 8) and according to three major categories of use—stone for road and building, agriculture, and all other uses. Table 16 also lists every county reported to have had stone production, as well as the average value at the quarry for all categories of stone in all regions for 1962. Table 25 of this report lists all counties in Illinois alphabetically, and each county that produced stone during 1962 is indicated by a number showing the position held by that county among the stone producing counties of the state.

Sand and Gravel

Common sand and gravel are found in many places in Illinois. They are used extensively in the construction industry, in building and maintaining highway and railway roadbeds, and for many other uses. Sand production figures for a number of years are summarized in table 17. Table 18 gives a detailed review of common sand production in Illinois for 1962 according to region (fig. 8) and according to three major categories of use—sand for road paving purposes, for building, and for all other uses. Table 18 shows that the Northeast Region of Illinois is a heavy producer of common sand, especially for paving and building purposes. The Northwest and Central Regions are the next most important producers of common sand, and with the exception of the West Southwest and the Southwest Regions, the other four parts of the state are small producers of this commodity.

Illinois common gravel production figures for some recent years are given in table 19. Table 20 shows that the Northeast Region of Illinois is a substantial producer of gravel and that the Central and Northwest Regions are also important producers of this material (fig. 8). Table 20 also indicates that the intensity of gravel production throughout Illinois does not necessarily follow the production pattern established by sand in the various regions of the state.

Special Sands

Special sands in Illinois include two sands that have special and important uses in industry. One of these is natural bonded molding sand that is produced in small quantities each year. In 1962 about 30,400 tons was produced, valued at \$56,600 (table 21). Natural bonded molding sand can be used in molds for the

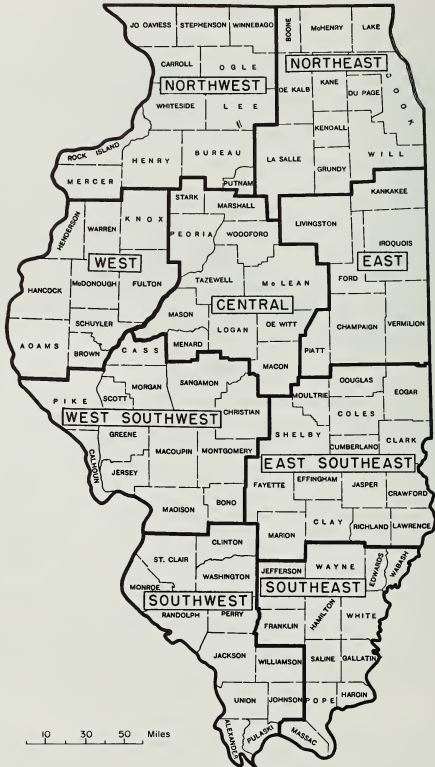


Fig. 8 - County outline map of Illinois showing area division.

casting of metals without the addition of a binding substance, such as clay, because the sand already contains the proportion of fine clay to permit molding use.

The other special sand of Illinois is silica sand. This mineral, which is produced in substantial quantities in LaSalle County and in lesser amounts in Ogle County, is a nearly pure quartz (a natural form of silica) sand. During 1962 about 2.8 million tons of silica sand was produced for various uses and was valued at more than 11.9 million dollars (table 21). According to 1962 production figures, the largest individual use for Illinois silica sand was in the manufacture of glass. The second most important use for the state's silica sand was for molding sand purposes.

CLAY PRODUCTS

The manufacture of Illinois clay products reported for 1962 amounted to more than 56.4 million dollars and represents a very productive year for the industry. Clay products include such items as face brick and common brick, sewer pipe and drain tile, flue pipe, building tile, vitreous plumbing fixtures, glazed tile, electrical porcelains, and pottery and whiteware. Also included in the list of Illinois clay products are the various forms of special heat-resistant fire brick and silica brick used by the metallurgical industries. Table 22 summarizes the production of clay products for the years 1961 and 1962. Fifty-seven clay product plants located in thirty different counties throughout Illinois reported production for 1962.

CEMENT

The manufacture of cement is an important mineral industry in Illinois. Two counties possess the state's present four cement manufacturing plants; two are located at Oglesby and one at LaSalle in LaSalle County, and one at Dixon in Lee County. Figures in table 1 show that Illinois shipped a total of more than 9.5 million barrels of all types of cement in 1962, valued at more than 31.5 million dollars.

FLUORSPAR

Final figures for 1962 indicate that Illinois produced and shipped 132,830 tons of finished fluorspar, which was 64.5 percent of the 206,026 tons of finished fluorspar produced and shipped in the United States. During 1962, fluorspar imported for consumption in the United States amounted to 595,695 tons, and the total consumed amounted to 652,888 tons. Illinois, the nation's leading fluorspar producer, supplied about 20 percent of all fluorspar (domestic and foreign) consumed in the United States (table 23).

Fluorspar is an important raw material for the iron and steel, aluminum, chemical, glass, and ceramics industries. Commercial fluorspar is graded principally according to its content of calcium fluoride and is prepared ordinarily as metallurgical grade, acid grade, and ceramic grade.

METALS

Production figures for 1962 indicate that mine output of zinc in Illinois amounted to 27,413 tons and was valued at more than 6.3 million dollars. Illinois lead production totaled 3,610 tons, with a value of \$664,240 for 1962 (table 24). No silver was reported for 1962, the sixth consecutive year that this metal has not been produced from Illinois mining operations. Zinc and lead are produced in Illinois from primary metal mines in Jo Daviess County located in the northwestern part of the state, and as by-products of fluorspar mining in Hardin and Pope Counties in southern Illinois.

Illinois State Geological Survey Circular 357
44 p., 8 figs., 25 tables, 1963

TABLE 1 - SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1961-1962^a

Material	Unit	1961 ^b			1962 ^b		
		Quantity	Value at plants		Quantity	Value at plants	
			Total	Average		Total	Average
Coal - bituminous	tons	45,132,526	\$ 176,468,177	\$ 3.91	48,353,913	\$ 186,646,104	\$ 3.86
Crude oil	bbls.	77,478,000	232,434,000	3.00	78,800,000	236,400,000	3.00
Limestone and dolomite	tons	33,576,884	45,835,938	1.37	38,528,222	52,313,576	1.36
Cement - Portland 376 lb	bbls.	8,594,988	28,300,867	3.29	9,145,495	30,205,447	3.30
Cement - Masonry 280 lb	bbls.	460,564	1,419,501	3.08	440,367	1,320,002	3.00
Clay products	-	-	56,400,489	-	-	56,495,460	-
Sand	tons	12,178,037	10,776,163	0.88	13,880,962	11,943,268	0.86
Gravel	tons	15,649,754	13,977,679	0.89	16,123,325	15,040,907	0.93
Special sands	-	-	10,511,283	-	-	12,026,071	-
Fluorspar	tons	116,908	5,956,350	50.95	132,830	6,391,673	48.12
Zinc	tons	26,795	6,162,850	230.00	27,413	6,304,990	230.00
Lead	tons	3,430	706,580	206.00	3,610	664,240	184.00
Other materials ^c	-	-	15,050,123	-	-	15,248,262	-
Total value			\$604,000,000			\$631,000,000	

a Table based on figures from the U. S. Bureau of Mines, the Illinois State Department of Mines and Minerals, and the Illinois State Geological Survey.

b Subject to revision.

c Includes natural gas, natural gasoline, liquefied petroleum gases, and lime.

TABLE 2 - VALUE OF ILLINOIS MINERAL PRODUCTION, 1917-1961^{a, b}
(thousands of dollars)

Year	Mineral Production	Year	Mineral Production	Year	Mineral Production
1917	234,736	1932	71,693	1947	458,737
1918	271,244	1933	74,837	1948	567,624
1919	213,701	1934	89,212	1949	487,808
1920	373,926	1935	96,484	1950	539,236
1921	254,019	1936	117,916	1951	542,031
1922	244,618	1937	133,437	1952	500,820
1923	282,761	1938	130,155	1953	501,926
1924	235,796	1939	215,157	1954	519,242
1925	231,658	1940	287,327	1955	570,653
1926	237,242	1941	335,504	1956	613,364
1927	180,394	1942	341,998	1957	612,755
1928	188,099	1943	337,912	1958	611,625
1929	182,791	1944	342,832	1959	606,300
1930	148,311	1945	344,431	1960	615,800
1931	108,066	1946	379,673	1961	604,000

^a Compiled from figures by the U. S. Geological Survey, U. S. Bureau of Mines, the Illinois State Department of Mines and Minerals, and the Illinois State Geological Survey.

^b Subject to revision.

TABLE 3 — PERCENTAGE OF TOTAL VALUE CONTRIBUTED BY VARIOUS SEGMENTS OF THE ILLINOIS MINERAL INDUSTRY, 1942-1961^{a,b}

Year	Coal	Petroleum products	Stone products	Clay products	Sand and gravel	Fluorspar and metals	Total percent
1942	36.7	44.2	7.5	5.9	3.8	1.9	100
1943	46.6	36.3	6.0	5.4	3.4	2.3	100
1944	50.4	34.2	5.4	4.7	3.0	2.3	100
1945	49.9	33.3	6.2	5.7	2.7	2.2	100
1946	43.9	33.2	8.5	8.7	3.5	2.2	100
1947	46.9	32.9	7.7	7.4	3.1	2.0	100
1948	45.2	34.5	7.5	7.9	3.0	1.9	100
1949	39.4	38.7	8.6	7.8	3.4	2.1	100
1950	43.0	33.6	8.2	9.0	3.5	2.7	100
1951	41.2	32.6	9.2	9.9	3.7	3.4	100
1952	37.4	35.2	11.3	8.7	4.0	3.4	100
1953	36.2	36.7	11.4	9.2	4.0	2.5	100
1954	30.7	41.6	11.8	9.1	4.9	1.9	100
1955	29.3	42.7	11.3	9.6	4.5	2.6	100
1956	30.0	40.6	12.2	9.6	5.0	2.6	100
1957	30.5	40.1	12.3	9.9	4.8	2.4	100
1958	28.7	40.5	13.7	9.0	5.8	2.3	100
1959	30.4	38.7	13.7	9.6	5.5	2.1	100
1960	29.8	38.0	15.0	9.2	5.5	2.5	100
1961	29.2	39.1	14.5	9.3	5.8	2.1	100

^a Source: Illinois State Geological Survey Mineral Production Reports.

^b Subject to revision.

TABLE 4 — NATIONAL PRODUCTION OF BITUMINOUS COAL, 1959-1962^a
(thousands of tons)

State	1959	1960	1961*	1962	Percent of 1962 total
West Virginia	119,692	118,944	113,071	118,499	28.1
Kentucky	62,810	66,847	63,032	69,212	16.4
Pennsylvania	65,347	65,425	62,652	65,315	15.5
Illinois	45,466	45,977	45,246	48,487	11.5
Ohio	35,112	33,957	32,226	34,125	8.1
Virginia	29,769	27,838	30,332	29,474	7.0
Indiana	14,804	15,538	15,106	15,709	3.7
Alabama	11,947	13,011	12,915	12,880	3.0
Tennessee	5,913	5,931	5,860	6,214	1.5
Utah	4,545	4,955	5,159	4,297	1.0
Total	395,405	398,423	385,599	404,212	95.8
All other states	16,623	17,089	17,378	17,937	4.2
Grand Total	412,028	415,512	402,977	422,149	100.0

* Revised figures.

^a Source: U. S. Bureau of Mines.

TABLE 5 - ILLINOIS COAL PRODUCTION BY COUNTIES IN 1962^a

County	Number of mines	Tons mined		Total tons	Total value ^b
		Underground	Strip		
Adams	1	-	42,904	42,904	\$ 165,609
Brown	2	-	459	459	1,772
Bureau	1	-	290,263	290,263	1,120,415
Christian	1	5,266,166	-	5,266,166	20,327,401
Douglas	1	542,254	-	542,254	2,093,100
Franklin	3	4,887,527	-	4,887,527	18,865,854
Fulton	19	-	5,116,307	5,116,307	19,748,945
Gallatin	3	73,753	-	73,753	284,687
Greene	1	-	4,508	4,508	17,401
Henry	1	92,309	-	92,309	356,313
Jackson	4	75,238	945,118	1,020,356	3,938,574
Jefferson	2	2,611,654	18,481	2,630,135	10,152,321
Kankakee	1	-	734,460	734,460 ^c	2,835,016
Knox	3	-	2,120,818	2,120,818	8,186,357
Logan	1	20,552	-	20,552	79,331
Macoupin	1	318,096	-	318,096	1,227,851
Madison	2	568,069	-	568,069	2,192,746
Marion	1	16,558	-	16,558	63,914
Menard	1	7,657	-	7,657	29,556
Mercer	2	65,034	2,665	67,699	261,318
Montgomery	1	2,038,301	-	2,038,301	7,867,842
Peoria	10	26,635	1,040,903	1,067,538	4,120,697
Perry	2	-	3,367,193	3,367,193	12,997,365
Randolph	3	851,546	1,066,779	1,918,325	7,404,735
St. Clair	7	1,142,302	3,691,779	4,834,081	18,659,553
Saline	10	1,217,695	2,108,338	3,326,033	12,838,487
Sangamon	2	81,907	-	81,907	316,161
Schuyler	2	-	501,955	501,955	1,937,546
Stark	1	-	491,964	491,964	1,898,981
Vermilion	6	43,800	1,051,208	1,095,008	4,226,731
Wabash	1	-	2,583	2,583	9,970
Washington	1	24,127	-	24,127	93,130
Williamson	19	3,778,860	2,005,188	5,784,048	22,326,425
Total	116	23,750,040	24,603,873	48,353,913	\$186,646,104

a Source: Production figures, Illinois State Department of Mines and Minerals.

b Average value for Illinois coal f.o.b. mine, estimated at \$3.86 per ton, 1962.

c Includes 379,415 tons mined in Grundy County and 332,598 tons mined in Will County.

TABLE 6 - COAL PRODUCTION BY ILLINOIS COUNTIES, 1882-1962^a

County	Total production (tons)	Total years active	Last year active	County	Total production (tons)	Total years active	Last year active
Adams	199,663	19	1962	Menard	13,446,136	81	1962
Bond	7,355,569	57	1942	Mercer	15,167,359	75	1962
Brown	65,329	39	1962	Monroe	8,284	13	1941
Bureau	53,241,909	78	1962	Montgomery	97,169,094	81	1962
Calhoun	96,247	27	1912	Morgan	190,787	64	1951
Cass	212,477	53	1941	Moultrie	2,032,236	16	1924
Christian	249,025,985	78	1962	Peoria	70,233,383	81	1962
Clark	4,482	2	1955	Perry	185,836,591	81	1962
Clinton	38,656,325	79	1960	Pike	5,081	8	1942
Coles	198,932	6	1888	Pope	1,562	11	1938
Crawford	45,400	16	1961	Putnam	10,071,893	29	1938
Douglas	4,862,379	17	1962	Randolph	82,156,052	81	1962
Edgar	915,698	41	1952	Richland	154	1	1890
Effingham	796	1	1890	Rock Island	3,846,169	67	1948
Franklin	503,354,362	64	1962	St. Clair	258,883,194	81	1962
Fulton	215,473,065	81	1962	Saline	209,480,277	81	1962
Gallatin	5,842,542	78	1962	Sangamon	233,252,964	81	1962
Greene	677,247	79	1962	Schuyler	5,953,799	80	1962
Grundy	41,258,762	79	1962	Scott	612,476	61	1942
Hamilton	22,097	16	1905	Shelby	4,119,763	67	1950
Hancock	771,281	72	1958	Stark	2,264,853	72	1962
Hardin	40	1	1890	Tazewell	17,633,802	75	1956
Henry	22,720,690	81	1962	Vermilion	158,559,813	81	1962
Jackson	91,505,446	81	1962	Wabash	194,047	34	1962
Jasper	23,739	11	1939	Warren	685,466	73	1954
Jefferson	33,590,464	59	1962	Washington	17,974,693	81	1962
Jersey	120,350	59	1951	White	1,676,741	36	1940
Johnson	244,004	52	1956	Will	38,850,851	81	1962
Kankakee	8,752,960	43	1962	Williamson	348,457,952	81	1962
Knox	43,578,188	81	1962	Woodford	7,810,160	70	1951
LaSalle	65,547,638	79	1960				
Livingston	10,111,437	80	1961	Total (1882-1962) . . .		3,697,781,103	
Logan	14,414,483	78	1962	Estimated production			
Macon	11,000,468	65	1947	(1833-1881) . . .		73,386,123	
Macoupin	263,789,800	81	1962				
McDonough	2,634,903	69	1951	Total production			
McLean	5,544,139	47	1928	(1833-1962) . . .		3,771,167,226	
Madison	163,588,710	81	1962				
Marion	39,241,324	81	1962				
Marshall	12,516,141	70	1951				

a Source: Illinois State Department of Mines and Minerals.

TABLE 7 — ANNUAL COAL PRODUCTION BY ILLINOIS COUNTIES, 1943-1962^a
(in tons)

Year	Adams	Brown	Bureau	Christian	Clark	Clinton
1943	—	60	153,871	6,846,942	—	382,121
1944	—	—	120,463	7,896,234	—	366,843
1945	—	—	133,349	7,492,841	—	384,391
1946	—	1,570	98,764	6,415,384	—	228,315
1947	—	176	700,385	7,300,494	—	332,967
1948	—	4	99,127	7,918,145	—	296,147
1949	—	—	77,322	5,192,596	—	214,956
1950	—	207	31,113	8,375,600	—	247,331
1951	—	—	—	8,183,437	—	200,733
1952	—	—	—	5,070,072	—	154,618
1953	—	—	687,448	6,722,124	—	129,711
1954	—	—	698,964	5,404,085	3,252	120,260
1955	—	—	794,394	6,162,935	1,230	114,451
1956	—	—	777,235	5,725,068	—	107,379
1957	—	—	730,615	5,738,338	—	64,935
1958	—	3,583	477,702	2,902,215	—	41,881
1959	37,087	1,560	517,958	3,764,147	—	37,843
1960	37,620	673	374,123	4,117,552	—	36,297
1961	35,866	1,730	306,558	4,587,309	—	—
1962	42,904	459	290,263	5,266,166	—	—

Year	Crawford	Douglas	Edgar	Franklin	Fulton	Gallatin
1943	—	—	34,365	16,684,419	6,464,187	45,683
1944	—	—	41,408	18,173,694	6,766,138	69,253
1945	—	—	33,591	17,247,446	6,098,360	83,522
1946	—	363	35,358	14,470,904	5,112,141	73,440
1947	—	50,354	29,054	14,790,608	7,110,451	89,776
1948	—	114,311	21,377	13,310,042	6,489,552	77,212
1949	—	75,953	9,107	8,211,630	4,774,329	63,211
1950	—	90,479	18,411	9,154,688	6,090,779	71,158
1951	—	156,295	11,497	7,955,001	6,274,275	160,818
1952	—	179,529	5,246	5,305,997	5,775,756	142,623
1953	—	229,364	—	4,588,891	6,063,002	160,242
1954	—	250,380	—	4,321,775	4,957,915	95,971
1955	—	326,180	—	4,528,018	5,397,774	196,813
1956	—	386,915	—	4,745,077	5,364,877	245,842
1957	—	423,880	—	4,592,021	5,485,882	210,032
1958	—	477,006	—	4,651,455	4,704,777	105,264
1959	113	482,346	—	4,609,972	5,111,177	173,052
1960	395	505,589	—	4,128,674	5,238,264	84,101
1961	106	571,181	—	3,778,864	4,868,148	62,915
1962	—	542,254	—	4,887,527	5,116,307	73,753

^aSource: Illinois State Department of Mines and Minerals.

TABLE 7 - CONTINUED

Year	Greene	Grundy	Hancock	Henry	Jackson	Jefferson
1943	375	53,244	11	732,376	2,707,336	626,506
1944	42	30,237	-	669,489	3,026,855	478,057
1945	16	142,321	-	548,453	2,920,208	623,677
1946	16	207,190	-	549,943	2,399,210	493,435
1947	32	211,581	18,758	116,650	1,327,234	533,612
1948	-	171,665	47,077	706,666	1,242,101	570,676
1949	-	93,120	53,727	621,570	882,576	299,483
1950	930	45,208	40,446	866,948	1,208,290	499,042
1951	1,020	40,376	41,030	953,868	1,494,440	912,073
1952	132	39,462	31,586	813,621	1,228,899	1,253,526
1953	1,395	30,848	11,133	59,434	1,089,287	1,369,093
1954	3,000	13,961	23,520	29,213	1,099,071	1,579,296
1955	5,811	247,625	30,387	40,462	1,160,194	1,582,907
1956	6,308	217,991	28,690	88,852	1,254,674	2,654,179
1957	5,248	192,883	34,522	226,298	1,206,485	3,016,481
1958	7,209	22,748	37,995	120,805	1,189,161	3,050,354
1959	7,433	-	-	92,209	1,246,047	3,134,304
1960	7,062	-	-	73,295	1,315,007	2,960,094
1961	6,424	6,917	-	96,013	1,092,722	2,899,807
1962	4,508	379,415	-	92,309	1,020,356	2,630,135

Year	Jersey	Johnson	Kankakee	Knox	LaSalle	Livingston
1943	-	-	-	1,617,843	331,963	1,616
1944	32	-	-	2,132,790	255,598	3,133
1945	-	-	-	1,646,868	214,214	8,886
1946	-	-	-	1,548,801	161,936	6,509
1947	-	-	-	777,599	173,473	6,503
1948	456	-	-	1,474,214	142,796	6,013
1949	220	-	-	1,021,986	81,372	7,408
1950	660	-	355,333	1,331,892	44,737	7,267
1951	390	-	857,916	1,375,736	21,454	2,891
1952	-	-	871,379	1,054,043	17,371	2,771
1953	-	-	840,927	1,125,720	12,803	4,059
1954	-	-	834,905	1,810,964	14,123	4,164
1955	-	-	551,356	1,784,754	3,482	3,879
1956	-	1,895	621,075	1,661,150	5,134	3,434
1957	-	-	480,903	1,898,117	9,186	2,222
1958	-	-	373,265	2,187,235	3,684	746
1959	-	-	326,384	2,221,949	8,324	1,181
1960	-	-	320,344	2,239,285	885	143
1961	-	-	347,940	2,061,109	-	205
1962	-	-	22,447	2,120,818	-	-

TABLE 7 - CONTINUED

Year	Logan	Macon	Macoupin	McDonough	Madison	Marion
1943	46,500	46,241	5,580,641	2,506	2,279,665	285,768
1944	52,338	38,167	5,518,050	773	2,114,632	302,274
1945	60,852	29,683	5,328,029	598	2,129,748	169,460
1946	51,822	21,769	4,985,062	938	2,140,014	177,335
1947	53,658	1,539	5,037,173	1,260	2,218,667	265,006
1948	49,528	-	4,281,292	317	2,091,468	238,667
1949	51,074	-	3,769,590	150	1,707,054	150,629
1950	49,920	-	3,301,308	-	1,489,645	226,531
1951	48,256	-	2,361,673	148	1,419,589	199,031
1952	34,308	-	1,716,224	-	1,228,392	176,622
1953	33,710	-	1,044,091	-	1,032,078	152,075
1954	32,597	-	503,142	-	995,162	69,382
1955	27,536	-	341,826	-	1,035,881	63,240
1956	13,602	-	250,293	-	1,153,268	54,303
1957	30,235	-	431,340	-	910,165	50,628
1958	30,079	-	437,243	-	646,586	30,908
1959	24,611	-	375,174	-	610,892	23,428
1960	7,730	-	358,171	-	667,868	28,838
1961	25,896	-	312,192	-	623,235	24,108
1962	20,552	-	318,096	-	568,069	16,558

Year	Marshall	Menard	Mercer	Montgomery	Morgan	Peoria
1943	3,813	80,091	6,666	980,254	53	812,412
1944	1,853	46,791	1,377	982,346	-	624,151
1945	793	52,916	1,472	949,517	-	643,734
1946	461	42,831	1,263	842,210	-	595,799
1947	98	34,489	445	923,812	-	670,667
1948	78	28,162	-	925,221	27	685,679
1949	901	24,309	-	790,674	4,204	538,577
1950	2,147	31,584	3,744	746,046	9,069	638,732
1951	510	22,000	910	700,974	264	415,915
1952	-	16,465	80	1,140,994	-	373,645
1953	-	13,960	-	1,632,211	-	371,662
1954	-	13,737	-	1,600,716	-	425,008
1955	-	16,110	-	1,723,975	-	442,838
1956	-	14,747	-	1,678,543	-	425,656
1957	-	14,915	249	1,602,483	-	349,780
1958	-	15,408	19,970	1,578,623	-	329,911
1959	-	14,276	32,316	1,625,192	-	329,645
1960	-	12,970	27,231	1,931,657	-	539,048
1961	-	10,593	20,972	2,055,334	-	1,012,078
1962	-	7,657	67,699	2,038,301	-	1,067,538

TABLE 7 — CONTINUED

Year	Perry	Randolph	Rock Island	St. Clair	Saline	Sangamon
1943	4,203,721	2,519,267	3,331	3,183,437	4,388,307	3,290,786
1944	4,649,481	2,695,442	1,941	3,115,436	4,504,148	2,911,012
1945	4,374,370	2,808,523	972	3,020,478	4,557,481	2,498,072
1946	3,759,892	2,289,892	1,061	3,062,582	4,233,318	2,132,845
1947	5,017,972	2,660,827	413	3,440,300	4,151,746	2,258,105
1948	5,227,860	2,500,002	643	3,098,062	4,454,755	2,219,443
1949	3,729,409	1,588,397	—	2,878,716	3,912,668	1,309,446
1950	4,923,345	1,689,421	—	3,740,236	3,816,949	1,498,412
1951	4,564,883	1,671,363	—	3,779,695	3,308,127	653,034
1952	4,044,341	1,402,846	—	3,475,548	2,996,317	295,046
1953	3,996,200	1,378,637	—	3,507,536	2,976,213	142,304
1954	3,289,295	1,636,830	—	2,844,064	2,170,617	106,257
1955	3,602,019	2,013,670	—	3,248,103	2,454,533	79,093
1956	3,826,383	2,085,128	—	3,972,018	2,816,145	109,205
1957	3,425,245	1,483,260	—	4,009,759	2,542,799	116,839
1958	2,992,046	1,615,870	—	5,338,326	2,387,543	111,292
1959	2,547,878	1,886,857	—	5,278,199	2,417,625	102,647
1960	2,829,392	1,716,777	—	4,844,857	2,797,171	98,515
1961	2,618,814	1,706,475	—	4,418,875	3,037,556	85,752
1962	3,367,193	1,918,325	—	4,834,081	3,326,033	81,907

Year	Schuyler	Shelby	Stark	Tazewell	Vermilion	Wabash
1943	243,505	1,162	2,784	129,284	2,462,645	1,023
1944	257,116	—	809	128,223	2,443,182	—
1945	202,515	330	243	115,217	2,216,046	—
1946	148,015	546	150	79,678	1,344,823	—
1947	120,751	200	18	92,361	660,026	—
1948	147,252	—	—	78,899	412,763	—
1949	43,972	197	—	56,126	677,704	—
1950	46,421	16	120	73,714	759,333	—
1951	33,166	—	675	48,667	1,057,932	—
1952	27,558	—	103	36,520	963,458	—
1953	27,540	—	—	11,153	849,754	—
1954	22,630	—	—	9,330	813,285	—
1955	25,642	—	—	3,102	878,749	—
1956	19,854	—	—	2,175	995,623	—
1957	18,474	—	—	—	1,088,148	—
1958	474,885	—	—	—	1,104,478	976
1959	741,020	—	—	—	1,223,503	1,317
1960	589,590	—	170,085	—	1,100,264	1,133
1961	628,798	—	375,524	—	1,125,283	1,894
1962	501,955	—	491,964	—	1,095,008	2,583

TABLE 7 — CONTINUED

Year	Warren	Washington	Will	Williamson	Woodford	State totals
1943	5,735	473,105	1,545,864	4,053,190	30,087	73,344,761
1944	4,313	535,359	1,779,552	4,639,677	21,322	77,400,031
1945	3,418	554,082	1,735,678	4,393,362	21,198	73,446,930
1946	2,908	482,153	1,416,726	4,133,819	15,891	63,767,082
1947	2,339	352,548	1,707,956	5,070,682	12,476	68,325,241
1948	2,292	495,141	1,664,282	4,863,733	13,658	66,166,805
1949	2,629	29,388	1,109,555	3,562,924	11,521	47,630,380
1950	2,996	41,066	920,411	4,776,775	13,843	57,282,303
1951	2,316	30,655	446,814	5,457,293	2,539	54,869,679
1952	1,500	22,404	101,725	5,751,861	—	45,752,588
1953	979	21,201	136,083	5,513,246	—	45,966,114
1954	877	18,956	135,181	5,823,867	—	41,775,752
1955	—	20,069	153,205	6,649,312	—	45,711,555
1956	—	25,315	155,154	6,310,853	—	47,804,040
1957	—	35,706	303,867	5,950,949	—	46,682,889
1958	—	31,177	261,301	6,013,423	—	43,777,130
1959	—	25,181	206,823	6,134,956	—	45,374,626
1960	—	32,513	368,555	6,258,864	—	45,820,632
1961	—	26,663	389,142	5,909,528	—	45,132,526
1962	—	24,127	332,598	5,784,048	—	48,353,913

TABLE 8 — SUMMARY OF ILLINOIS COAL MINING, 1943-1962^a

Year	Tons of coal produced by				
	All mines Total	Strip mines Total	Underground mines		
			Total	By machine	By hand
1962	48,353,913	24,603,873	23,750,040	23,750,040	-
1961	45,132,526	22,926,945	22,205,581	22,203,257	2,324
1960	45,820,632	22,707,527	23,113,105	23,099,304	13,801
1959	45,374,626	22,006,206	23,368,420	23,355,034	13,386
1958	43,777,130	20,608,567	23,168,563	23,147,089	21,474
1957	46,682,889	19,883,979	26,798,910	26,767,434	31,476
1956	47,804,040	19,658,854	28,145,186	28,100,001	45,185
1955	45,711,555	18,715,621	26,995,934	26,935,614	60,320
1954	41,775,752	16,425,532	25,350,220	25,219,084	131,136
1953	45,966,114	16,680,336	29,285,778	29,132,106	153,672
1952	45,752,588	16,715,635	29,036,953	28,788,980	247,973
1951	54,869,679	18,309,970	36,559,709	36,081,258	478,451
1950	57,282,303	17,640,466	39,641,837	37,766,772	1,875,065
1949	47,630,380	13,952,202	33,678,178	32,993,484	684,694
1948	66,166,805	17,875,540	48,291,265	46,655,924	1,635,341
1947	68,325,241	17,821,339	50,503,902	48,877,626	1,626,276
1946	63,767,082	15,207,804	48,559,278	46,714,916	1,844,362
1945	73,446,930	17,011,196	56,435,734	53,999,655	2,436,079
1944	77,400,031	18,076,122	59,323,909	56,178,300	3,145,609
1943	73,344,761	16,798,439	56,546,322	53,208,728	3,337,594

Year	Number of Mines			Total Number	
	All mines Total	Strip mines Total	Underground Total	Producing counties	Employees all mines
1962	116	69	47	35	8,774
1961	128	73	55	37	8,945
1960	142	81	61	38	10,533
1959	159	90	69	37	10,897
1958	179	102	77	37	11,386
1957	195	108	87	35	12,781
1956	192	95	97	36	12,936
1955	198	82	116	36	13,623
1954	206	68	138	37	16,665
1953	232	73	159	35	18,945
1952	263	71	192	38	23,821
1951	302	77	225	43	29,329
1950	350	103	247	45	31,067
1949	337	88	249	41	31,434
1948	342	79	263	42	32,924
1947	362	67	295	45	32,686
1946	373	60	313	41	32,476
1945	380	52	328	41	31,109
1944	389	48	341	44	32,019
1943	485	48	437	46	32,852

^a Source: Illinois State Department of Mines and Minerals.

TABLE 9 - NATIONAL PRODUCTION OF CRUDE OIL, 1959-1962^a
(thousands of barrels)

State	1959	1960	1961*	1962 ^b	Percent of 1962 total
Texas	971,978	927,479	939,191	936,508	35.0
Louisiana	362,666	400,832	424,962	483,101	18.0
California	308,946	305,352	299,609	296,572	11.1
Oklahoma	198,090	192,913	193,081	198,563	7.4
Wyoming	126,050	133,910	141,937	145,167	5.4
Kansas	119,543	113,453	112,241	112,076	4.2
New Mexico	105,692	107,380	112,553	108,708	4.1
Illinois	76,727	77,341	76,818	77,325	2.9
Mississippi	49,620	51,673	54,688	54,471	2.0
Colorado	<u>46,440</u>	<u>47,469</u>	<u>46,759</u>	<u>42,460</u>	<u>1.6</u>
Total	2,365,752	2,357,802	2,401,839	2,454,951	91.7
All other states	<u>208,838</u>	<u>217,131</u>	<u>219,919</u>	<u>221,234</u>	<u>8.3</u>
Grand total	2,574,590	2,574,933	2,621,758	2,676,185	100.0

* Revised figures.

^a Source: U. S. Bureau of Mines.^b Preliminary figures.

TABLE 10 — ESTIMATES OF PROVED OIL RESERVES IN ILLINOIS
AND OTHER STATES, 1955-1963^a
(millions of barrels)

State ^b	1955*	1957*	1959	1961*	1963
Illinois	658	700	608	556	460
Indiana	67	68	71	66	61
Kansas	979	992	922	884	862
Kentucky	85	149	126	129	109
Louisiana	2,962	3,675	4,044	4,785	5,087
New Mexico	806	836	894	1,084	1,065
Oklahoma	1,955	2,010	1,898	1,791	1,728
Texas	14,982	14,783	14,322	14,758	14,648
Wyoming	1,304	1,363	1,409	1,427	1,297
All other states	5,763	5,859	6,242	6,133	6,072
United States	29,561	30,435	30,536	31,613	31,389

* Revised figures.

^a Source: American Petroleum Institute.

^b Figures as of January 1, each year.

TABLE 11 — ESTIMATES OF NATURAL GAS RESERVES IN ILLINOIS
AND OTHER STATES, 1955-1963^a
(billions of cubic feet)

State ^b	1955	1957	1959*	1961	1963
Illinois	254	220	171	173	159
Indiana	36	34	31	34	50
Kansas	15,758	17,566	20,234	19,620	18,669
Kentucky	1,287	1,246	1,215	1,144	1,115
Louisiana	36,800	45,054	55,112	63,386	71,935
New Mexico	17,241	23,473	21,180	15,604	14,190
Oklahoma	12,396	13,775	15,207	17,312	18,359
Texas	105,129	112,729	115,046	119,489	119,504
Wyoming	2,855	3,236	3,650	3,935	3,953
All other states	19,955	20,442	22,296	23,062	25,832
United States	211,711	237,775	254,142	263,759	273,766

* Revised figures.

^a Source: American Gas Association.

^b Figures as of January 1, each year.

TABLE 12 — ILLINOIS WELL COMPLETIONS AND PRODUCTION, 1936-1962

Year	Completions ^a	Producing wells		Production ^{b, c} (thousands of barrels)
		Number	Percent of completions	
1936	93	52	56.0	4,445
1937	449	292	65.0	7,426
1938	2,536	2,010	79.0	24,075
1939	3,617	2,970	82.0	94,912
1940	3,755	3,080	82.0	147,647
1941	3,807	2,925	77.0	134,138
1942	2,017	1,179	58.0	106,590
1943	1,791	1,090	61.0	82,256
1944	1,991	1,229	62.0	77,413
1945	1,763	1,094	62.0	75,210
1946	2,362	1,387	59.0	75,297
1947	2,046	1,102	54.0	66,459
1948	2,489	1,316	53.0	64,808
1949	2,741	1,447	53.0	64,501
1950	2,894	1,328	46.0	62,028
1951	2,383	947	40.0	60,244
1952	2,077	854	41.0	60,071
1953	2,161	1,161	54.0	59,025
1954	3,254	1,896	58.0	66,940
1955	3,885	2,164	56.0	81,131
1956	3,640	1,742	48.0	82,314
1957	2,585	1,114	43.0	76,649
1958	2,291	1,066	46.5	80,779
1959	2,032	1,034	51.0	76,727
1960	1,922	818	42.6	77,341
1961	1,832	907	49.5	77,478
1962	1,839	978	53.2	78,800

^a Includes only oil and gas producers and dry holes.

^b Based on information furnished by oil and pipeline companies.

^c From U. S. Bureau of Mines through 1950.

TABLE 13 - ESTIMATED OIL PRODUCTION BY ILLINOIS COUNTIES, 1888-1962^a

County	Total production ^b 1888-1962	1962 Production		1962 value ^c in thousands of dollars
		Thousands of barrels	Percent of state total	
Adams	105	15	0.02	\$ 45
Bond	6,089	223	0.28	669
Brown	162	32	0.04	96
Christian	18,211	1,040	1.32	3,120
Clark-Cumberland	82,282	1,075	1.36	3,225
Clay	101,860	2,771	3.52	8,313
Clinton	71,720	1,815	2.30	5,445
Coles	16,655	450	0.57	1,350
Crawford	195,946	4,182	5.31	12,546
Douglas	2,703	162	0.21	486
Edgar	2,420	57	0.07	171
Edwards	35,621	1,165	1.48	3,495
Effingham	10,288	402	0.51	1,206
Fayette	297,548	15,625	19.83	46,875
Franklin	55,832	1,855	2.35	5,565
Gallatin	37,949	1,520	1.93	4,560
Hamilton	98,808	3,602	4.57	10,806
Hancock-McDonough	4,946	48	0.06	144
Jasper	37,860	800	1.02	2,400
Jefferson	64,908	2,125	2.70	6,375
Lawrence	314,855	7,323	9.29	21,969
Macon	636	114	0.14	342
Macoupin	187	10	0.01	30
Madison	14,843	305	0.39	915
Marion	339,656	10,479	13.30	31,437
Monroe	2	-	-	-
Montgomery	100	3	-	9
Moultrie	47	3	-	9
Perry	441	34	0.04	102
Randolph	2,918	187	0.24	561
Richland	78,253	2,426	3.09	7,278
St. Clair	2,883	-	-	-
Saline	13,117	549	0.70	1,647
Sangamon	603	153	0.19	459
Schuyler	1	-	-	-
Shelby	879	140	0.18	420
Wabash	80,634	2,751	3.49	8,253
Washington	21,121	1,180	1.50	3,540
Wayne	174,567	6,242	7.92	18,726
White	201,955	7,848	9.96	23,544
Williamson	347	89	0.11	267
Total	2,389,958	78,800	100.00	\$236,400

a Subject to revision.

b In thousands of barrels.

c Average price estimated at approximately \$3.00 per barrel.

TABLE 14 — ESTIMATED ANNUAL OIL PRODUCTION BY ILLINOIS COUNTIES, 1953-1962^a
(in thousands of barrels)

Year	Adams	Bond	Brown	Christian	Clark- Cumberland	Clay
1953	—	80	—	487	1,347	4,042
1954	—	79	—	755	1,758	4,895
1955	—	996	—	1,616	2,087	5,035
1956	—	1,090	—	1,846	2,120	4,153
1957	—	884	—	1,757	1,740	4,512
1958	—	615	—	1,757	1,730	3,605
1959	5	424	20	2,068	1,856	3,614
1960	48	311	76	1,804	1,543	3,200
1961	37	256	34	1,451	1,265	2,670
1962	15	223	32	1,040	1,075	2,771

Year	Clinton	Coles	Crawford	Douglas	Edgar	Edwards
1953	1,502	379	2,055	—	184	1,820
1954	1,735	415	2,437	—	134	1,440
1955	1,908	542	2,639	—	124	1,604
1956	2,295	1,636	2,953	724	116	1,520
1957	4,003	1,011	2,964	819	100	1,752
1958	4,779	554	2,999	316	90	1,721
1959	2,876	401	3,481	225	87	1,436
1960	2,156	457	3,773	237	78	1,238
1961	1,686	454	4,155	220	68	1,232
1962	1,815	450	4,182	162	57	1,165

Year	Effingham	Fayette	Franklin	Gallatin	Hamilton	Hancock- McDonough
1953	444	5,629	2,996	1,465	3,441	72
1954	473	6,693	2,401	1,490	3,326	58
1955	553	8,225	2,325	2,720	3,902	71
1956	558	10,369	2,075	3,057	4,252	67
1957	525	12,113	1,724	2,708	3,265	65
1958	427	14,089	2,175	2,377	2,912	56
1959	417	12,958	2,026	2,120	2,409	59
1960	522	13,051	2,030	1,643	3,044	54
1961	384	13,908	2,162	1,369	3,612	51
1962	402	15,625	1,855	1,520	3,602	48

Year	Jasper	Jefferson	Lawrence	Macon	Macoupin	Madison
1953	977	2,012	3,340	2	3.0	669
1954	1,710	2,281	3,258	87	0.5	568
1955	2,104	2,546	3,889	104	0.5	488
1956	1,958	2,832	4,866	72	—	415
1957	1,153	2,839	4,672	82	1.0	335
1958	1,731	2,630	6,196	80	9.0	344
1959	1,211	2,339	7,003	48	17.0	325
1960	1,382	2,341	7,863	33	12.0	322
1961	721	2,373	7,743	23	10.0	319
1962	800	2,125	7,323	114	10.0	305

^a Subject to revision.

TABLE 14 - CONTINUED

Year	Marion	Monroe	Montgomery	Moultrie	Perry	Randolph
1953	4,411	—	8	—	50	518
1954	6,525	0.5	6	—	28	361
1955	8,925	0.5	5	11	20	304
1956	7,210	1.0	5	6	18	218
1957	6,546	—	3	8	32	183
1958	7,171	—	3	10	61	179
1959	7,545	—	3	3	43	173
1960	8,810	—	2	3	52	172
1961	9,878	—	2	3	31	214
1962	10,479	—	3	3	34	187
Year	Richland	St. Clair	Saline	Sangamon	Schuyler	Shelby
1953	3,626	50	204	—	—	28
1954	3,515	36	795	—	—	25
1955	2,690	28	4,189	59	—	24
1956	2,881	16	2,390	40	—	21
1957	2,250	10	1,273	20	—	35
1958	2,198	7	1,196	30	—	43
1959	2,191	8	899	24	—	68
1960	2,301	8	585	136	1	67
1961	2,489	6	566	141	—	79
1962	2,426	—	549	153	—	140
Year	Wabash	Washington	Wayne	White	Williamson	State totals
1953	2,812	1,105	6,024	7,243	—	59,025
1954	3,638	940	7,067	8,010	—	66,940
1955	3,279	1,030	6,933	10,155	—	81,131
1956	3,306	1,159	7,314	8,755	—	82,314
1957	3,135	897	5,351	7,819	63	76,649
1958	3,101	917	6,529	8,083	59	80,779
1959	2,493	780	6,778	8,266	28	76,727
1960	2,586	671	6,359	8,308	62	77,341
1961	2,677	621	6,236	8,286	46	77,478
1962	2,751	1,180	6,242	7,848	89	78,800

TABLE 15 - ILLINOIS LIMESTONE AND DOLOMITE PRODUCTION, 1950-1962^a

Stone use	1950		1951	
	Tons	Value	Tons	Value
Agstone	4,209,519	\$ 5,406,175	3,592,202	\$ 4,622,635
Road and Building	10,787,071	12,265,929	11,457,944	13,144,469
Metallurgical	1,194,795	1,498,765	1,409,378	1,839,385
Railroad ballast	1,094,144	1,052,763	1,196,745	1,176,164
Other	998,126	1,876,335	1,349,111	2,300,070
Total	18,283,655	\$22,099,967	19,005,380	\$23,082,723
	1952		1953	
Agstone	3,374,000	\$ 4,435,100	3,725,000	\$ 4,842,500
Road and Building	15,129,000	18,706,500	14,250,000	16,387,500
Metallurgical	882,000	1,214,500	875,000	1,400,000
Railroad ballast	1,133,000	1,166,700	1,250,000	1,250,000
Other	2,088,000	3,312,500	1,900,000	3,420,000
Total	22,606,000	\$28,835,300	22,000,000	\$27,300,000
	1954		1955	
Agstone	2,785,900	\$ 3,612,380	2,547,485	\$ 3,308,352
Road and Building	18,001,450	22,484,900	19,648,920	23,257,644
Metallurgical	245,015	365,140	317,575	555,776
Railroad ballast	652,215	716,370	486,255	550,503
Other	1,404,420	2,221,910	1,400,395	2,156,930
Total	23,089,000	\$29,400,700	24,400,630	\$29,829,205
	1956		1957	
Agstone	3,086,476	\$ 4,009,224	3,374,163	\$ 4,504,523
Road and Building	22,377,435	30,432,718	22,082,763	29,918,482
Metallurgical	321,996	554,817	1,095,643	1,456,516
Railroad ballast	982,979	1,258,465	763,166	936,662
Other	1,236,604	1,836,865	824,365	1,933,922
Total	28,005,490	\$38,092,089	28,140,100	\$38,750,105
	1958		1959	
Agstone	3,754,633	\$ 5,327,908	2,890,431	\$ 4,117,564
Road and Building	26,435,908	33,643,306	27,162,454	34,434,383
Metallurgical and Chemical	1,978,886	3,238,294	1,282,275	1,856,783
Railroad ballast	108,488	121,726	138,972	171,905
Other	786,874	1,544,857	435,010	1,165,830
Total	33,064,789	\$43,876,091	31,909,142	\$41,746,465
	1960		1961	
Agstone	3,111,654	\$ 4,389,253	3,413,576	\$ 5,029,972
Road and Building	31,179,165	42,187,629	26,959,600	35,978,196
Metallurgical and Chemical	1,760,332	2,400,513	1,458,981	2,003,444
Railroad ballast	261,316	300,091	269,200	267,569
Other	719,550	1,700,872	1,475,527	2,556,757
Total	37,032,017	\$50,978,358	33,576,884	\$45,835,938
	1962			
Agstone	3,713,464	\$ 5,333,690		
Road and Building	32,628,581	43,299,652		
Metallurgical and Chemical	1,012,020	1,264,829		
Railroad ballast	293,342	293,865		
Other	880,815	\$ 2,121,540		
Total	38,528,222	\$2,313,576		

^a Excluding stone used in manufacture of cement and lime.

TABLE 16 - ILLINOIS STONE PRODUCTION BY REGIONS, 1962^{a,b}

Summary of crushed and broken stone production				
Producing counties and operations ^c	Stone use	Tons	Value	Average per ton
NORTHWEST				
Carroll				
Henry				
Jo Daviess				
Lee				
Mercer	Road and			
Ogle	building	3,715,003	\$4,199,385	\$1.13
Rock Island	Agstone	406,816	531,572	1.31
Stephenson	All other	<u>109,322</u>	<u>88,174</u>	<u>.81</u>
Whiteside	Total	4,231,141	\$4,819,131	\$1.14
Winnebago				
Operations - 53				
WEST				
Adams				
Brown				
Hancock	Road and			
Henderson	building	1,160,057	\$1,472,065	\$1.27
Knox	Agstone	359,232	535,394	1.49
McDonough	All other	<u>339,658</u>	<u>826,720</u>	<u>2.43</u>
Schuyler	Total	1,858,947	\$2,834,179	\$1.53
Warren				
Operations - 22				
WEST SOUTHWEST				
Bond				
Calhoun				
Christian				
Greene	Road and			
Jersey	building	1,898,796	\$2,851,249	\$1.50
Madison	Agstone	387,352	594,937	1.54
Montgomery	All other	<u>58,849</u>	<u>93,829</u>	<u>1.59</u>
Pike	Total	2,344,997	\$3,540,015	\$1.51
Scott				
Operations - 25				
SOUTHWEST				
Clinton				
Jackson				
Johnson				
Monroe	Road and			
Pulaski	building	3,554,610	\$5,263,528	\$1.48
Randolph	Agstone	785,867	1,100,307	1.40
St. Clair	All other	<u>1,281,361</u>	<u>1,979,864</u>	<u>1.55</u>
Union	Total	5,621,838	\$8,343,699	\$1.48
Washington				
Operations - 20				

a Based on U. S. Bureau of Mines figures. All values at the quarry.

b Dimension stone and stone used for cement and lime not included.

c Refer to figure 8.

TABLE 16 - continued

Summary of crushed and broken stone production				
Producing counties and operations	Stone use	Tons	Value	Average per ton
NORTHEAST				
Boone				
Cook				
DeKalb				
DuPage				
Kane	Road and building	17,601,979	\$23,137,399	\$1.32
Kendall	Agstone	254,806	359,028	1.41
LaSalle	All other	257,624	299,523	1.16
McHenry	Total	18,114,409	\$23,795,950	\$1.31
Will				
Operations - 26				
EAST				
Kankakee	Road and building	2,691,501	\$ 3,452,107	\$1.28
Livingston	Agstone	779,549	1,005,435	1.29
Vermilion	All other	139,363	392,125	2.81
Operations - 8	Total	3,610,413	\$ 4,849,667	\$1.34
CENTRAL				
Logan	Road and building	986,124	\$ 1,410,127	\$1.43
Menard	Agstone	236,425	379,732	1.61
Peoria	All other	-	-	-
Operations - 6	Total	1,222,549	\$ 1,789,859	\$1.46
EAST SOUTHEAST				
Clark				
Clay	Road and building	714,698	\$ 1,085,380	\$1.52
Coles	Agstone	360,274	620,522	1.72
Cumberland	All other	-	-	-
Fayette	Total	1,074,972	\$ 1,705,902	\$1.59
Marion				
Shelby				
Operations - 10				
SOUTHEAST				
Hardin	Road and building	305,813	\$ 428,411	\$1.40
Jefferson	Agstone	143,143	206,763	1.45
Massac	All other	-	-	-
Operations - 5	Total	448,956	\$ 635,174	\$1.42
STATE TOTALS				
Counties - 61	Road and building	32,628,581	\$43,299,651	\$1.33
Operations - 175	Agstone	3,713,464	5,333,690	1.44
	All other	2,186,177	3,680,235	1.68
	Total	38,528,222	\$52,313,576	\$1.36

MINERAL PRODUCTION IN ILLINOIS IN 1962

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TABLE 17 - ILLINOIS COMMON SAND PRODUCTION, 1950-1962^a

Sand use	Tons		Value	
	1950		1951	
Paving and road	1,563,842	\$ 1,170,670	2,211,818	\$ 1,661,994
Building	4,584,133	3,354,812	4,165,867	3,030,961
All other	319,503	251,624	229,468	161,750
Total	6,467,478	\$ 4,777,106	6,607,153	\$ 4,854,705
	1952		1953	
Paving and road	2,040,737	\$ 1,449,071	1,558,400	\$ 1,246,720
Building	4,170,120	3,049,042	4,488,000	3,276,240
All other	611,803	426,518	836,450	585,515
Total	6,822,660	\$ 4,924,631	6,882,850	\$ 5,108,475
	1954		1955	
Paving and road	1,864,110	\$ 1,439,350	1,488,340	\$ 1,161,883
Building	5,704,045	4,128,965	4,112,130	3,207,206
All other	482,835	343,220	2,150,390	1,627,646
Total	8,050,990	\$ 5,911,535	7,750,860	\$ 5,996,735
	1956		1957	
Paving and road	2,209,458	\$ 1,710,227	3,514,616	\$ 2,761,618
Building	7,826,936	5,811,036	5,325,363	4,079,500
All other	424,906	331,329	584,184	410,886
Total	10,461,300	\$ 7,852,592	9,424,163	\$ 7,252,004
	1958		1959	
Paving and road	4,998,787	\$ 4,444,105	4,082,498	\$ 3,758,000
Building	5,948,401	5,509,315	6,308,053	5,699,347
All other	514,344	407,040	586,927	437,974
Total	11,461,532	\$10,360,460	10,977,478	\$ 9,895,321
	1960		1961	
Paving and road	6,634,190	\$ 6,271,931	6,928,300	\$ 6,505,495
Building	4,576,211	3,873,073	4,263,096	3,647,560
All other	778,385	488,050	986,641	623,108
Total	11,988,786	\$10,633,054	12,178,037	\$10,776,163
	1962			
Paving and road	7,148,506	\$ 6,558,437		
Building	5,024,485	4,322,072		
All other	1,707,971	1,062,759		
Total	13,880,962	\$11,943,268		

a Exclusive of silica sand and natural bonded molding sand.

TABLE 18 - ILLINOIS COMMON SAND PRODUCTION BY REGIONS, 1962^a

Summary of common sand production				
Producing counties and operations ^b	Sand use	Tons	Value	Average per ton
NORTHWEST				
Bureau				
Carroll				
Henry				
Jo Daviess	Paving	1,040,072	\$ 901,651	\$0.87
Lee	Building	1,102,977	935,081	0.85
Ogle	All other	248,462	116,688	0.47
Rock Island	Total	2,391,511	\$1,953,420	\$0.82
Stephenson				
Whiteside				
Winnebago				
Operations - 28				
WEST				
Adams	Paving	46,519	\$ 36,383	\$0.78
Brown	Building	86,708	93,952	1.08
Fulton	All other	22,922	19,579	0.85
Schuyler	Total	156,149	\$ 149,914	\$0.96
Operations - 7				
WEST SOUTHWEST				
Bond				
Calhoun	Paving	244,940	\$ 203,429	\$0.83
Madison	Building	447,447	433,536	0.97
Pike	All other	42,748	27,844	0.65
Sangamon	Total	735,135	\$ 664,809	\$0.90
Scott				
Operations - 10				
SOUTHWEST				
Alexander				
Jackson	Paving	182,852	\$ 177,889	\$0.97
Pulaski	Building	297,215	280,372	0.94
Randolph	All other	60,067	52,261	0.87
St. Clair	Total	540,134	\$ 510,522	\$0.95
Operations - 5				
CENTRAL				
DeWitt				
Logan				
McLean	Paving	406,623	\$ 409,878	\$1.01
Macon	Building	654,206	731,894	1.12
Mason	All other	397,258	352,984	0.89
Peoria	Total	1,458,087	\$1,494,756	\$1.03
Tazewell				
Woodford				
Operations - 19				

^a Based on U. S. Bureau of Mines figures. All values at the pit.

^b Refer to figure 8.

TABLE 18 - CONTINUED

Summary of common sand production				
Producing counties and operations ^b	Sand use	Tons	Value	Average per ton
NORTHEAST				
Boone				
Cook				
DeKalb				
DuPage	Paving	4,792,530	\$ 4,478,088	\$0.93
Grundy	Building	2,119,982	1,567,805	0.74
Kane	All other	707,595	389,341	0.55
Kendall	Total	7,620,107	\$ 6,435,234	\$0.85
Lake				
LaSalle				
McHenry				
Will				
Operations - 48				
EAST				
Champaign				
Ford	Paving	111,266	\$ 102,331	\$0.92
Kankakee	Building	207,062	191,333	0.92
Livingston	All other	171,810	72,160	0.42
Piatt	Total	490,138	\$ 365,824	\$0.75
Vermillion				
Operations - 9				
EAST SOUTHEAST				
Clark				
Coles				
Crawford	Paving	189,860	\$ 110,075	\$0.58
Cumberland	Building	64,635	50,846	0.79
Fayette	All other	26,270	15,401	0.59
Lawrence	Total	280,765	\$ 176,322	\$0.63
Shelby				
Operations - 14				
SOUTHEAST				
Gallatin				
Massac	Paving	133,844	\$ 138,713	\$1.04
Wabash	Building	44,253	37,253	0.84
White	All other	30,839	16,501	0.54
Operations - 7	Total	208,936	\$ 192,467	\$0.92
STATE TOTALS				
Counties - 61				
Operations - 147	Paving	7,148,506	\$ 6,558,437	\$0.92
	Building	5,024,485	4,322,072	0.86
	All other	1,707,971	1,062,759	0.62
	Total	13,880,962	\$11,943,268	\$0.86

TABLE 19 — ILLINOIS COMMON GRAVEL PRODUCTION, 1950-1962

Gravel use	1950		1951	
	Tons	Value	Tons	Value
Paving and road	4,467,578	\$ 2,845,943	3,164,656	\$ 2,126,827
Building	4,543,144	3,433,637	4,562,621	3,806,691
Railroad ballast	601,603	310,705	676,504	384,802
All other	151,608	97,673	117,423	80,162
Total	9,763,933	\$ 6,687,958	8,521,204	\$ 6,398,482
	1952		1953	
Paving and road	3,592,794	\$ 2,468,843	2,926,700	\$ 2,165,760
Building	3,521,696	2,874,252	3,884,975	3,185,680
Railroad ballast	1,054,983	588,382	855,100	478,860
All other	589,162	322,369	441,975	335,900
Total	8,758,635	\$ 6,253,846	8,108,750	\$ 6,166,200
	1954		1955	
Paving and road	5,688,670	\$ 4,325,715	4,468,500	\$ 3,656,155
Building	4,734,120	4,163,650	3,747,175	3,432,816
Railroad ballast	538,515	346,680	402,255	223,415
All other	1,030,320	514,920	2,019,070	1,677,789
Total	11,991,625	\$ 9,350,965	10,637,000	\$ 8,990,175
	1956		1957	
Paving and road	4,729,226	\$ 3,528,833	6,132,232	\$ 5,130,579
Building	7,149,823	6,228,307	5,120,097	4,667,946
Railroad ballast	515,697	367,895	570,019	367,291
All other	381,860	445,445	994,659	852,609
Total	12,776,606	\$10,570,480	12,817,007	\$11,018,425
	1958		1959	
Paving and road	11,235,523	\$10,440,516	7,786,411	\$ 7,080,193
Building	3,974,729	3,924,548	4,958,106	4,862,510
Railroad ballast	432,635	362,004	219,125	156,002
All other	935,570	969,019	1,112,025	731,157
Total	16,578,457	\$15,696,087	14,075,667	\$12,829,862
	1960		1961	
Paving and road	10,230,894	\$ 9,729,342	11,075,857	\$ 9,832,635
Building	3,157,700	3,170,476	3,018,646	2,874,072
Railroad ballast	163,938	119,525	111,089	70,753
All other	1,062,621	675,246	1,444,162	1,200,219
Total	14,615,153	\$13,694,589	15,649,754	\$13,977,679
	1962			
Paving and road	10,870,889	\$10,397,632		
Building	4,384,591	4,044,888		
Railroad ballast	93,474	94,078		
All other	774,371	504,309		
Total	16,123,325	\$15,040,907		

TABLE 20 - ILLINOIS GRAVEL PRODUCTION BY REGIONS, 1962^a

Summary of common gravel production				
Producing counties and operations ^b	Gravel use	Tons	Value	Average per ton
NORTHWEST				
Bureau				
Carroll				
Henry				
Jo Daviess				
Lee	Paving	1,051,270	\$1,011,660	\$ 0.96
Qgle	Building	672,826	748,252	1.11
Rock Island	All other	46,874	32,706	0.70
Stephenson	Total	1,770,970	\$1,792,618	\$ 1.01
Whiteside				
Winnebago				
Operations - 34				
WEST				
Adams				
Brown	Paving	239,310	\$ 303,587	\$ 1.27
Fulton	Building	104,160	150,310	1.44
Knox	All other	—	—	—
Schuyler	Total	343,470	\$ 453,897	\$ 1.32
Operations - 6				
WEST SOUTHWEST				
Bond				
Calhoun	Paving	131,949	\$ 156,757	\$ 1.19
Madison	Building	252,459	201,868	0.80
Pike	All other	—	—	—
Sangamon	Total	384,408	\$ 358,625	\$ 0.93
Operations - 9				
SOUTHWEST				
Alexander	Paving	14,817	\$ 10,826	\$ 0.73
Jackson	Building	—	—	—
Pulaski	All other	—	—	—
Union	Total	14,817	\$ 10,826	\$ 0.73
Operations - 4				
CENTRAL				
DeWitt				
Logan				
McLean				
Macon	Paving	2,749,388	\$2,871,545	\$ 1.04
Marshall	Building	277,983	360,846	1.30
Peoria	All other	175,260	142,695	0.81
Stark	Total	3,202,631	\$3,375,086	\$ 1.05
Tazewell				
Woodford				
Operations - 27				

^a Based on U. S. Bureau of Mines figures. All values at the pit.

^b Refer to figure 8.

TABLE 20 - CONTINUED

Summary of common gravel production				
Producing counties and operations ^b	Gravel use	Tons	Value	Average per ton
NORTHEAST				
Boone				
Cook				
DeKalb				
DuPage				
Kane	Paving	5,512,925	\$4,987,360	\$ 0.90
Kendall	Building	2,973,705	2,444,569	0.82
Lake	All other	409,074	275,478	0.67
LaSalle	Total	8,895,704	\$7,707,407	\$ 0.87
McHenry				
Will				
Operations - 65				
EAST				
Champaign				
Ford				
Iroquois	Paving	329,626	\$ 329,544	\$ 1.00
Livingston	Building	66,957	96,242	1.44
Piatt	All other	48,444	25,939	0.54
Vermilion	Total	445,027	\$ 451,725	\$ 1.02
Operations - 17				
EAST SOUTHEAST				
Clark				
Coles				
Crawford	Paving	577,985	\$ 487,937	\$ 0.84
Cumberland	Building	13,336	16,399	1.23
Fayette	All other	152,159	81,764	0.54
Lawrence	Total	743,480	\$ 586,100	\$ 0.79
Shelby				
Operations - 16				
SOUTHEAST				
Gallatin	Paving	263,619	\$ 238,416	\$ 0.90
Wabash	Building	23,165	26,402	1.14
White	All other	36,034	39,805	1.10
Operations - 9	Total	322,818	\$ 304,623	\$ 0.94
STATE TOTALS				
Counties - 59	Paving	10,870,889	\$10,397,632	\$ 0.96
Operations - 187	Building	4,384,591	4,044,888	0.92
	All other	867,845	598,387	0.69
	Total	16,123,325	\$15,040,907	\$ 0.93

TABLE 21 - SPECIAL SANDS IN ILLINOIS, 1961-1962

Uses	1961		1962	
	Tons	Value	Tons	Value
Silica sand				
Glass sand	1,338,447	\$ 3,171,705	1,437,885	\$ 3,380,767
Molding sand	593,410	2,249,838	647,743	2,237,552
Other uses ^a	506,959	2,370,780	588,966	3,985,718
Ground silica ^b	235,093	2,653,349	181,379	2,365,429
Total silica sand	-	\$10,445,672	-	\$11,969,466
Natural bonded molding sand	41,812	65,611	30,462	56,605
Total special sands	-	\$10,511,283	-	\$12,026,071

^a Grinding and polishing, blast, fire and furnace, engine filter.

^b For abrasives, ceramics, foundry, and filler from ground siliceous material.

TABLE 22 - PRODUCTION OF ILLINOIS CLAY PRODUCTS, 1961-1962

Clay products reported	1961		1962	
	Amount	Value	Amount	Value
Face brick	179,346,477	\$ 7,644,315	155,226,452	\$ 6,696,424
Common brick	170,701,503	4,137,146	167,585,352	4,787,503
Structural tile (tons)	33,001	395,806	35,972	507,694
Drain and sewer tile (tons)	148,749	4,551,012	155,425	4,997,366
Other structural products	-	3,827,412	-	2,738,877
Clay and silica refractories	-	10,474,476	-	8,453,929
Pottery and whiteware	-	25,370,322	-	28,313,667
Total		\$56,400,489		\$56,495,460

TABLE 23 - UNITED STATES AND ILLINOIS SHIPMENTS OF FLUORSPAR,
AND TOTAL FLUORSPAR CONSUMED IN THE UNITED STATES, 1938-1962^a
(in tons)

Year ^c	Fluorspar Shipments			Fluorspar ^b consumed in United States	Illinois shipments as percent of U. S. consumption
	United States	Illinois	Illinois as percent of U. S.		
1938	80,403	35,368	44.0	115,100	30.7
1939	182,771	75,257	41.2	176,800	42.6
1940	233,600	104,698	44.8	218,500	47.9
1941	320,669	133,333	41.6	303,600	43.9
1942	360,316	161,949	44.9	360,800	44.9
1943	406,016	198,789	49.0	388,885	51.1
1944	413,781	176,259	42.6	410,170	43.0
1945	323,961	147,251	45.5	356,090	41.4
1946	277,940	154,525	55.6	303,190	51.0
1947	329,484	167,157	50.7	376,138	44.4
1948	331,749	172,561	52.0	406,269	42.5
1949	236,704	120,881	51.1	345,221	35.0
1950	301,510	154,623	51.3	426,121	36.3
1951	347,024	204,328	58.9	497,012	41.1
1952	331,273	188,293	56.8	520,197	36.2
1953	318,036	163,303	51.3	586,798	27.8
1954	245,628	107,830	43.9	480,374	22.4
1955	279,540	166,337	59.5	570,261	29.2
1956	329,719	178,254	54.1	621,354	28.7
1957	328,872	169,939	51.7	644,688	26.4
1958	319,513	152,087	47.6	494,227	30.8
1959	185,091	112,469	60.8	589,979	19.1
1960	229,782	134,529	58.5	643,759	20.9
1961	197,354	116,908	59.2	687,940	17.0
1962	206,026	132,830	64.5	652,888	20.3

^a U. S. Bureau of Mines tonnage figures.

^b Fluorspar consumed includes domestic and foreign material.

^c Subject to revision.

TABLE 24 - ILLINOIS ZINC, LEAD, AND SILVER PRODUCTION, 1943-1962^a

Year ^b	Zinc		Lead		Silver	
	Tons	Value	Tons	Value	Ounces	Value
1943	5,851	\$1,263,816	2,043	\$ 306,450	2,153	\$1,531
1944	7,262	1,655,736	1,971	315,360	2,437	1,733
1945	8,310	1,911,300	3,005	516,860	2,198	1,563
1946	8,798	2,146,712	3,865	842,570	2,302	1,860
1947	10,073	2,437,666	2,325	674,250	1,790	1,620
1948	12,980	3,452,680	3,695	1,322,810	4,047	3,663
1949	18,157	4,502,936	3,824	1,208,384	3,128	2,831
1950	26,982	7,500,996	2,729	725,914	2,001	1,811
1951	21,776	7,926,500	3,160	1,093,364	3,465	3,136
1952	18,816	6,246,900	4,262	1,372,400	3,781	3,400
1953	14,556	3,173,200	3,391	902,000	2,338	2,100
1954	14,427	3,116,232	3,232	885,570	1,160	1,050
1955	21,700	5,338,200	4,544	1,354,112	3,075	2,783
1956	24,039	6,586,686	3,832	1,203,248	1,580	1,430
1957	22,185	5,146,920	2,970	849,420	-	-
1958	24,940	5,087,760	1,610	376,740	-	-
1959	26,815	6,167,450	2,570	591,100	-	-
1960	29,550	7,623,900	3,000	702,000	-	-
1961	26,795	6,162,850	3,430	706,580	-	-
1962	27,413	6,304,990	3,610	664,240	-	-

^a Mine production of recoverable metal.

^b Source: U. S. Bureau of Mines.

Table 25 of this report was designed as a quick and convenient reference to the counties in Illinois producing any of the 14 major mineral products of this state. The table indicates the different mineral products produced by any county in the state, and the numbers show the position held by each county among all counties producing a selected mineral product.

TABLE 25 — SUMMARY OF MINERALS PRODUCED BY ILLINOIS COUNTIES, 1962

Counties	Cement	Clay products	Coal	Crude oil	Fluorspar	Lead	Lime	Natural bonded molding sand	Common sand	Common gravel	Silica sand	Stone	Tripoli	Zinc
Adams	—	—	27	35	—	—	2	—	37	51	—	13	—	—
Alexander	—	—	—	—	—	—	—	—	26	59	—	—	1	—
Bond	—	—	—	24	—	—	—	—	24	45	—	57	—	—
Boone	—	—	—	—	—	—	—	—	43	35	—	56	—	—
Brown	—	27	35	34	—	—	—	—	52	56	—	52	—	—
Bureau	—	25	22	—	—	—	—	6	12	10	—	—	—	—
Calhoun	—	—	—	—	—	—	—	—	60	52	—	53	—	—
Carroll	—	—	—	—	—	—	—	—	53	48	—	38	—	—
Cass	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Champaign	—	—	—	—	—	—	—	—	13	32	—	—	—	—
Christian	—	—	2	18	—	—	—	—	—	—	—	42	—	—
Clark	—	—	—	17	—	—	—	—	35	36	—	27	—	—
Clay	—	—	—	8	—	—	—	—	—	—	—	45	—	—
Clinton	—	—	—	13	—	—	—	—	—	—	—	41	—	—
Coles	—	—	—	21	—	—	—	—	27	40	—	22	—	—
Cook	—	1	—	—	—	—	1	—	11	11	—	1	—	—
Crawford	—	7	—	6	—	—	—	—	57	17	—	—	—	—
Cumberland	—	—	—	36	—	—	—	—	29	33	—	59	—	—
DeKalb	—	—	—	—	—	—	—	—	20	24	—	37	—	—
DeWitt	—	—	—	—	—	—	—	—	54	29	—	—	—	—
Douglas	—	—	16	26	—	—	—	—	—	—	—	—	—	—
DuPage	—	—	—	—	—	—	—	—	16	12	—	8	—	—
Edgar	—	—	—	31	—	—	—	—	—	—	—	—	—	—
Edwards	—	24	—	16	—	—	—	—	—	—	—	—	—	—
Effingham	—	—	—	22	—	—	—	—	—	—	—	—	—	—
Fayette	—	22	—	1	—	—	—	3	44	47	—	55	—	—
Ford	—	—	—	—	—	—	—	—	40	30	—	—	—	—
Franklin	—	—	4	12	—	—	—	—	—	—	—	—	—	—
Fulton	—	—	3	—	—	—	—	—	25	15	—	—	—	—
Gallatin	—	—	25	14	—	—	—	—	23	46	—	—	—	—

TABLE 25 - CONTINUED

Counties	Cement	Clay products	Coal	Crude oil	Fluorspar	Lead	Lime	Natural bonded molding sand	Common sand	Common gravel	Silica sand	Stone	Tripoli	Zinc
Greene	-	30	33	-	-	-	-	-	-	-	-	35	-	-
Grundy	-	12	19	-	-	-	-	-	-	-	-	-	-	-
Hamilton	-	-	-	7	-	-	-	-	1	-	-	-	-	-
Hancock	-	-	-	40	-	-	-	-	-	-	-	26	-	-
Hardin	-	-	-	-	1	1	-	-	-	-	-	24	-	2
Henderson	-	-	-	-	-	-	-	-	-	-	-	33	-	-
Henry	-	-	23	-	-	-	-	2	50	41	-	25	-	-
Iroquois	-	-	-	-	-	-	-	-	-	44	-	-	-	-
Jackson	-	-	14	-	-	-	-	-	36	58	-	44	-	-
Jasper	-	-	-	19	-	-	-	-	-	-	-	-	-	-
Jefferson	-	-	8	11	-	-	-	-	-	-	-	51	-	-
Jersey	-	-	-	-	-	-	-	-	-	-	-	49	-	-
Jo Daviess	-	-	-	-	-	2	-	-	28	57	-	21	-	1
Johnson	-	-	-	-	-	-	-	-	-	-	-	9	-	-
Kane	-	9	-	-	-	-	-	-	4	2	-	29	-	-
Kankakee	-	13	29	-	-	-	-	-	47	20	-	4	-	-
Kendall	-	-	-	-	-	-	-	-	46	-	-	46	-	-
Knox	-	5	9	-	-	-	-	-	-	43	-	34	-	-
Lake	-	8	-	-	-	-	-	-	5	6	-	-	-	-
LaSalle	1	3	-	-	-	-	-	-	15	5	1	28	-	-
Lawrence	-	-	-	4	-	-	-	-	49	14	-	-	-	-
Lee	2	-	-	-	-	-	-	-	22	28	-	14	-	-
Livingston	-	16	-	-	-	-	-	-	48	31	-	6	-	-
Logan	-	2	30	-	-	-	-	-	19	26	-	39	-	-
McDonough	-	4	-	32	-	-	-	-	-	1	-	31	-	-
McHenry	-	20	-	-	-	-	-	-	2	-	-	58	-	-
McLean	-	-	-	-	-	-	-	-	34	9	-	-	-	-
Macon	-	-	-	29	-	-	-	-	21	22	-	-	-	-
Macoupin	-	-	21	37	-	-	-	-	-	-	-	-	-	-
Madison	-	11	15	23	-	-	-	5	17	53	-	12	-	-
Marion	-	-	31	2	-	-	-	-	-	-	-	47	-	-
Marshall	-	18	-	-	-	-	-	-	-	21	-	-	-	-
Mason	-	-	-	-	-	-	-	1	42	-	-	-	-	-
Massac	-	-	-	-	-	-	-	-	59	-	-	61	-	-
Menard	-	29	32	-	-	-	-	-	-	-	-	16	-	-
Mercer	-	19	26	-	-	-	-	-	-	-	-	48	-	-

CIRCULAR 357

ILLINOIS STATE GEOLOGICAL SURVEY

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