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STATE OF ILLINOIS  
WILLIAM G. STRATTON, *Governor*  
DEPARTMENT OF REGISTRATION AND EDUCATION  
VERA M. BINKS, *Director*



# MINERAL PRODUCTION IN ILLINOIS IN 1958

W. L. Busch

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# MINERAL PRODUCTION IN ILLINOIS IN 1958

W. L. Busch

## ABSTRACT

The amount and value of minerals produced in Illinois during 1958 and 1957 are summarized in tables, maps, and charts in this annual report. The total value of minerals produced in 1958 amounted to more than 603 million dollars. Revised values for 1957 totaled 612.7 million dollars. The minerals include coal, crude oil, stone, sands and gravel, fluorspar, metals, and such related items as clay products, cement, lime, natural gas, and liquefied petroleum gases. A directory of Illinois mineral producers is included.

## INTRODUCTION

"The Illinois mineral industry is a key factor in creating and supporting the industrial activity in Illinois and, to a considerable extent, in other states of the Upper Mississippi Valley. The primary materials of industrial production - fuels and iron ore, the latter from the Lake Superior district - are available in abundant quantities and are assembled for processing at a low cost on Lake Michigan near the large market of Chicago and of smaller cities in the industrial belt. There are abundant cheaply mined and good quality coals at points accessible to manufacturing centers. In addition to this, certain minerals essential to the processing of primary steel, such as refractory materials and fluxes, are also present in the area, together with a variety of mineral products for foundry, chemical, construction, and other uses.

"This wide array of manufacturing industries lies in the center of one of the most efficient and low-cost food producing areas in the United States, if not in the world. A fertile soil has provided an area of high food yields, a mechanized agriculture has brought production costs down to a low level, a flat topography has aided in the introduction of cost-saving farm machinery and the low cost of transporting farm products to consuming centers, and the use of power on farms, by displacing animal power, has added millions of acres to the farm land available for the production of food.

"The unusual and excellent endowment of industrial, mineral, and agricultural resources offers opportunities for production and employment that are probably unmatched elsewhere."

## ACKNOWLEDGMENT

Dr. Walter H. Voskuil, Principal Mineral Economist of the Illinois State Geological Survey, fifteen years ago wrote the introductory statement reprinted above. It first appeared in the 1944 annual report of the Illinois mineral industry (Report of Investigations 109). Time has proved the accuracy of his analysis and

Table 1. - Summary of Illinois Mineral Production, 1957-1958<sup>a</sup>

Material	Unit	1957 <sup>*,c</sup>			1958 <sup>b,c</sup>		
		Quantity	Value at plants		Quantity	Value at plants	
			Total	Av.		Total	Av.
Coal - bituminous	tons	46,682,889	\$ 186,731,556	\$ 4.00	43,777,130	\$ 177,297,377	\$ 4.05
Crude oil	bbls	76,649,000	239,911,400	3.13	80,779,000	242,337,000	3.00
Limestone and dolomite	tons	28,140,100	38,750,105	1.38	27,849,832	37,005,365	1.33
Cement	bbls	8,575,129	26,356,365	3.07	9,616,000	30,771,000	3.20
Clay products	-	-	60,671,157	-	-	54,778,865	-
Sand	tons	9,424,163	7,252,004	.77	8,956,765	8,506,032	.95
Gravel	tons	12,817,007	11,018,425	.86	11,998,192	11,808,212	.98
Special sands	-	-	11,264,529	-	-	11,235,000	-
Fluorspar	tons	169,939	8,827,171	51.94	158,000	8,300,000	52.53
Zinc	tons	22,185	5,146,920	232.00	25,000	5,150,000	206.00
Lead	tons	2,970	849,420	286.00	1,600	381,000	238.00
Other minerals <sup>d</sup>	-	-	15,976,120	-	-	16,223,149	-
Annual mineral production			\$612,755,172			\$603,793,000	

\* Revised figures.

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

b Preliminary or estimated figures.

c Subject to revision.

d Includes natural gas, natural gasoline, liquefied petroleum gases, lime, and silver.

the clarity of his vision concerning the Illinois industrial, mineral, and agricultural endowment.

Dr. Voskuil, who has been Head of the Mineral Economics Group of the Illinois State Geological Survey since 1931, is the author of many studies in the field of mineral economics, studies that encompass not only the state and regional scene, but also the national and international.

Special acknowledgment is made to Dr. Voskuil at this time by associates who have had the opportunity of working under his leadership, and by many others who have known him personally or scholastically. During 1960 Dr. Voskuil plans to retire from official duty. However, this action means only additional opportunity for Dr. Voskuil to pursue more vigorously than ever studies in the field of mineral economics.

### ILLINOIS MINERAL INDUSTRY

This report records the extent and depth of the Illinois mineral industry which, although not as well known as the state's dynamic manufacturing industry and rich agriculture, has grown in annual value from less than 300 million dollars in 1940 to more than 600 million dollars in each of the years 1956 to 1958.

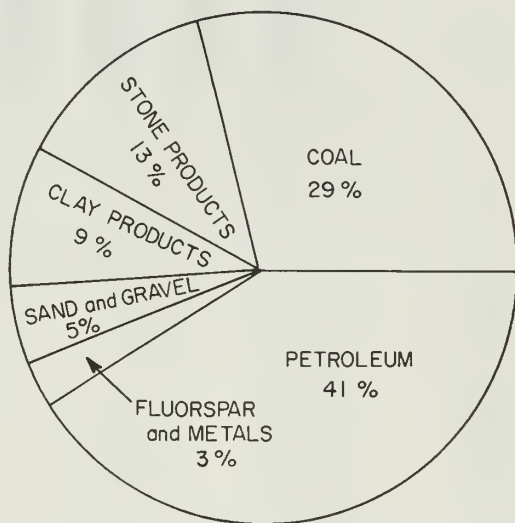
Of all the mineral products produced in this state, none are more important for manufacturing, transportation, and for the production of food than the fossil fuels, coal and oil. These minerals account for about 70 percent of the value of Illinois mineral output.

Abundant industrial minerals such as sand, gravel, stone, cement- and lime-making materials furnish supplies for the construction industries and account for about 18 percent of the value of Illinois mineral production.

Accounting for the remaining 12 percent of the total value of Illinois mineral products are several other minerals.

Refractory clays and clays for pottery making are produced in important quantities. Illinois is also the nation's leading producer of fluorspar, a mineral important in the steel, chemical, aluminum, and ceramics industries. Also produced in Illinois are the metals zinc and lead, and occasional small quantities of silver.

Table 1 gives a complete summary of the Illinois mineral industry for 1957 and 1958 (fig. 1), listing the various minerals produced, their amounts, and total values. The value of these minerals has exceeded the half-billion dollar mark since 1950. Table 2 shows the complete record of the total value of minerals produced in Illinois for each year from 1914 through 1958. Figure 2 compares graphically the total mineral output for the years 1952-1958. Average prices at the source are given in table 3 for each of twelve different Illinois mineral products for the



g. 1. - Value of Illinois mineral production in 1958 was \$603,793,000. Percentage contributions by the various segments of the Illinois mineral industry are shown above.

## ILLINOIS STATE GEOLOGICAL SURVEY

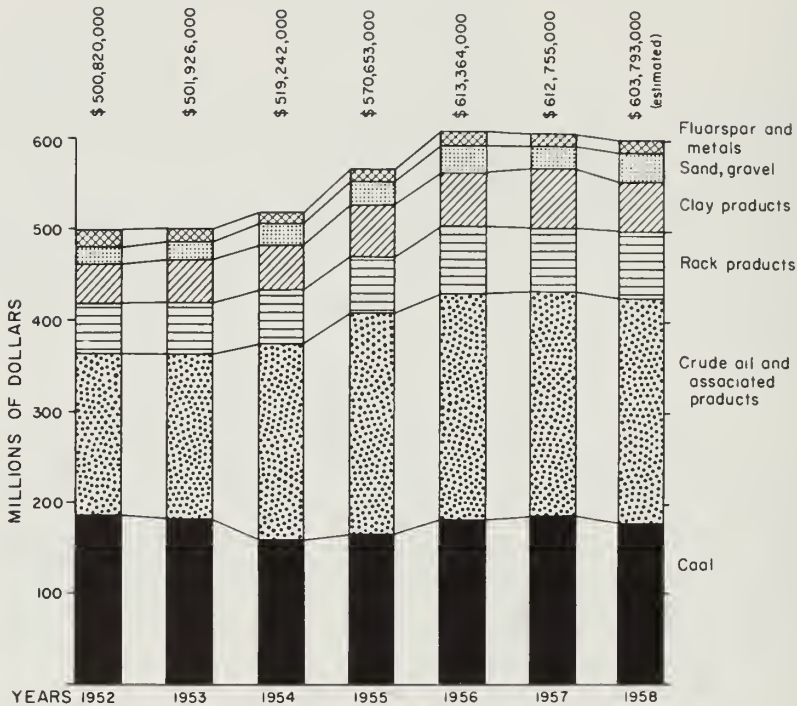


Fig. 2. - Illinois mineral production compared in value for 1952-1958.

Table 2. - Value of Illinois Mineral Production, 1914-1958<sup>a</sup>  
(Thousands of dollars)

Year	Mineral production	Year	Mineral production	Year	Mineral production
1914	\$117,166	1929	\$182,791	1944	\$342,832
1915	114,446	1930	148,311	1945	344,267
1916	146,360	1931	108,066	1946	379,673
1917	234,736	1932	71,693	1947	458,734
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	333,225	1956	613,364
1927	180,394	1942	341,835	1957	612,755*
1928	188,099	1943	337,912	1958	603,793 <sup>b</sup>

\* Revised figure.

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 Preliminary figure.

Table 3. - Average Prices of Illinois Mineral Products, 1943-1957<sup>a,b</sup>

Year	Coal (ton)	Crude oil (bbl)	Limestone dolomite (ton)	Cement (bbl)	Lime (ton)	Silica sand (ton)
1943	\$ 2.13	\$ 1.37	\$ .93	\$ 1.55	\$ 7.58	\$ 1.38
1944	2.23	1.39	1.00	1.55	7.78	1.39
1945	2.34	1.40	1.02	1.70	7.75	1.45
1946	2.61	1.59	1.08	1.76	8.45	1.51
1947	3.15	2.10	1.17	1.88	9.15	1.72
1948	3.88	2.77	1.26	2.04	10.60	1.91
1949	4.04	2.77	1.23	2.11	11.58	2.08
1950	4.05	2.77	1.21	2.19	12.15	2.13
1951	4.07	2.77	1.20	2.40	12.70	2.28
1952	4.10	2.77	1.27	2.40	12.84	2.30
1953	3.95	2.91	1.24	2.54	13.44	2.38
1954	3.82	3.00	1.27	2.57	13.95	3.07
1955	3.66	2.93	1.22	2.66	14.62	3.41
1956	3.84	2.95	1.36	2.93	15.25	3.62
1957	4.00	3.13	1.38	3.07	16.57	3.63

Year	Sand (ton)	Gravel (ton)	Fluorspar (ton)	Zinc (ton)	Lead (ton)	Silver (ounces)
1943	\$ .50	\$ .49	\$ 31.66	\$216.00	\$150.00	\$ .711
1944	.49	.49	33.79	228.00	160.00	.711
1945	.49	.49	34.06	230.00	172.00	.711
1946	.59	.57	35.55	244.00	218.00	.808
1947	.69	.58	36.78	242.00	290.00	.905
1948	.72	.65	36.64	266.00	358.00	.905
1949	.74	.65	38.23	248.00	316.00	.905
1950	.74	.68	39.52	278.00	266.00	.905
1951	.74	.75	45.49	364.00	346.00	.905
1952	.72	.71	50.35	332.00	322.00	.905
1953	.74	.76	52.46	218.00	266.00	.905
1954	.73	.78	55.54	216.00	274.00	.905
1955	.77	.85	47.12	246.00	298.00	.905
1956	.75	.83	47.51	274.00	314.00	.905
1957	.77	.86	51.94	232.00	286.00	.905

a Source: Illinois State Geological Survey Mineral Production Reports.

b Subject to revision.

fifteen year period 1943 through 1957. Further information regarding many of the mineral products of Illinois will be found in the included tables, charts, and maps.

#### COAL INDUSTRY

Illinois for many years has ranked as the fourth largest coal producing state in the nation (table 8). The only states that produce greater tonnages of coal are West Virginia, Pennsylvania, and Kentucky (fig. 3). During 1958 Illinois produced more than 43.7 million tons of coal, more than 10 percent of all the coal produced in the United States.

The value of the coal produced in Illinois during 1958 was estimated at over

Table 4. - Percentage of Total Value Contributed by Various Segments of the Illinois Mineral Industry, 1943-1957<sup>a</sup>

Year	Coal	Petroleum products	Stone products	Clay products	Sand and gravel	Fluorspar and metals	Total percent
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

a Source: Illinois State Geological Survey Mineral Production Reports.

177 million dollars, or about 29 percent of the entire value of the mineral output of the state. Although the annual value of crude oil produced in Illinois has exceeded the annual value of coal in recent years (table 4), the vast coal reserves and nearby markets assure a long future for the Illinois coal industry. In fact, the calculated reserves of minable bituminous coal in Illinois, amounting to some 137 billion tons, exceed those of any other state.

### Production

The record of coal production in Illinois for 1958 is shown in tables 5, 6, and 7. Table 5 summarizes the 1958 production record by giving a complete county by county tabulation of coal produced, type of mining (strip or underground), number of mines, and the approximate value of the product. It also shows that of the 37 coal-producing counties, 13 produced more than one million tons each for a combined total of about 90 percent of the state's output for 1958 (fig. 4).

Coal production by stripping methods, important in only a few counties a decade ago, predominated in a number of counties during 1958. In fact, the total quantity of coal produced by this method in Illinois during 1958 was 20.6 million tons, or 47 percent of the state's entire output. Table 5 indicates the counties where this method of mining was important.

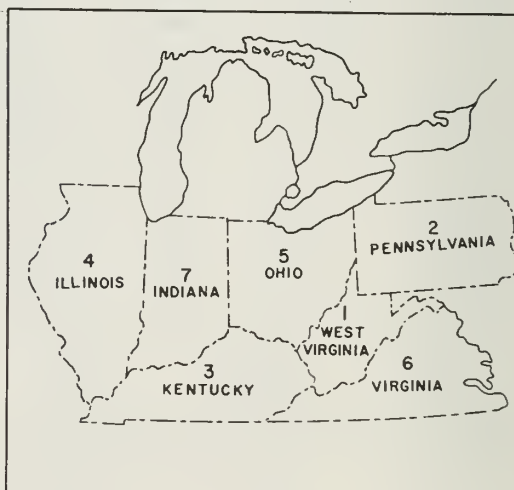


Fig. 3. - States that produced 90 percent of the nation's bituminous coal in 1958.



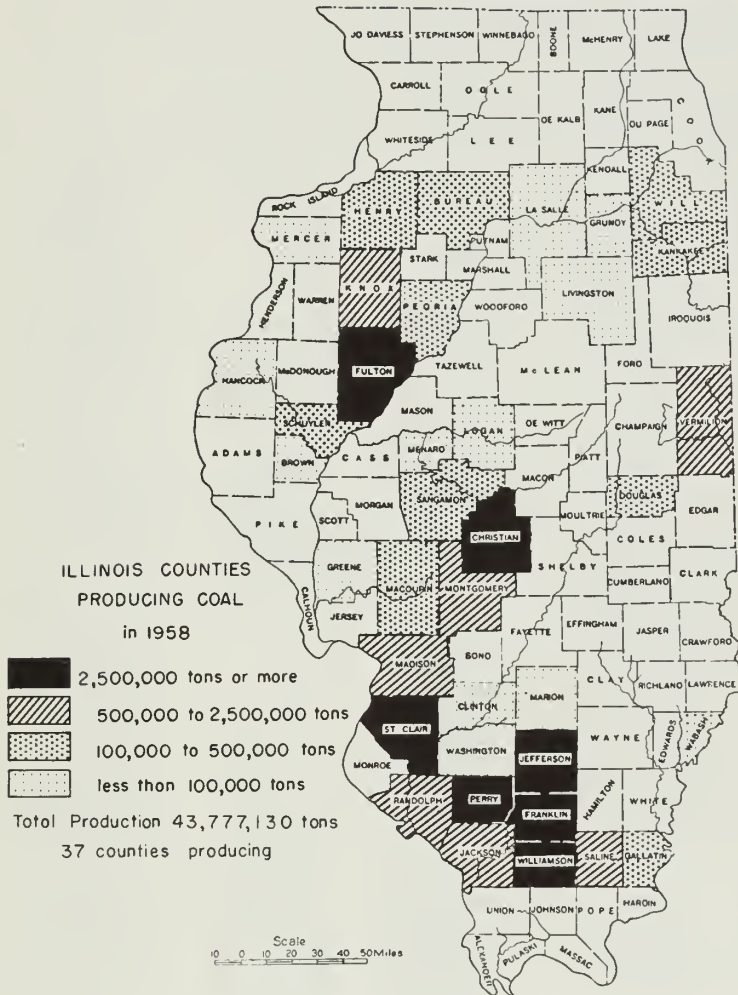


Fig. 4. - Illinois coal production by counties in 1958.

The accumulated production of coal by counties since 1882, when mining records were begun, is shown in table 6. Of the 70 counties that have a coal production record during this 77-year period, 11 counties have accounted for three-fourths of the state's entire output, each producing more than 100 million tons of coal. Table 6 also records the total number of years that each county has produced coal since 1882 and the last year it produced coal.

Table 7 brings up to date the historical record of Illinois coal production. The complete year by year, county by county, Illinois coal production from 1882 through 1947 was recorded in the Survey's Illinois mineral report for 1947 (Report of Investigations 140, table 14). Table 7 of this report records the total coal produced by each Illinois county, 1882-1947, and also lists the coal production for each of these same counties for the eleven year period 1948 through 1958. Tables 6 and 7 each show a grand total of more than 3.5 billion tons of coal produced in Illinois during the 77-year period, 1882-1958.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 5. - Illinois Coal Production by Counties in 1958<sup>a</sup>

County	Number of mines	Tons mined		Total tons	Total value <sup>b</sup>
		Underground	Strip		
Brown	3	-	3,583	3,583	\$ 14,511
Bureau	1	-	505,313 <sup>c</sup>	505,313	2,046,518
Christian	1	2,902,215	-	2,902,215	11,753,971
Clinton	1	41,881	-	41,881	169,618
Douglas	1	477,006	-	477,006	1,931,874
Franklin	4	4,651,455	-	4,651,455	18,838,393
Fulton	24	54,432	4,650,345	4,704,777	19,054,347
Gallatin	9	37,492	67,772	105,264	426,319
Greene	1	-	7,209	7,209	29,196
Hancock	1	-	37,995	37,995	153,880
Henry	2	93,194	-	93,194	377,436
Jackson	7	686,126	503,035	1,189,161	4,816,102
Jefferson	2	3,032,634	17,720	3,050,354	12,353,934
Kankakee	1	-	586,100 <sup>d</sup>	586,100	2,373,705
Knox	4	-	2,187,235	2,187,235	8,858,302
LaSalle	3	-	3,684	3,684	14,920
Livingston	1	-	746	746	3,021
Logan	1	30,079	-	30,079	121,820
Macoupin	2	437,243	-	437,243	1,770,834
Madison	3	646,586	-	646,586	2,618,673
Marion	1	30,908	-	30,908	125,177
Menard	3	15,408	-	15,408	62,402
Mercer	2	17,580	2,390	19,970	80,879
Montgomery	1	1,578,623	-	1,578,623	6,393,423
Peoria	12	29,454	300,457	329,911	1,336,140
Perry	7	754,563	2,237,483	2,992,046	12,117,786
Randolph	6	628,297	987,573	1,615,870	6,544,274
St. Clair	9	2,186,673	3,151,653	5,338,326	21,620,220
Saline	14	935,605	1,451,938	2,387,543	9,669,549
Sangamon	2	111,292	-	111,292	450,733
Schuyler	2	11,189	463,696	474,885	1,923,284
Vermilion	9	58,430	1,046,048	1,104,478	4,473,136
Wabash	1	-	976	976	3,953
Washington	2	31,177	-	31,177	126,267
Will	1	-	71,214	71,214	288,417
Williamson	35	3,689,021	2,324,402	6,013,423	24,354,363
Total	179	23,168,563	20,608,567	43,777,130	\$177,297,377

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

b Average value for Illinois coal, f.o.b. mine, estimated at \$4.05 per ton, 1958.

c Includes 27,611 tons mined in Henry County.

d Includes 22,748 tons mined in Grundy County and 190,087 tons mined in Will County.

## ILLINOIS MINERAL PRODUCTION, 1958

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Table 6. - Coal Production by Illinois Counties, 1882-1958<sup>a</sup>

County	Total production (tons)	Total years active	Last year active	County	Total production (tons)	Total years active	Last year active
Adams	46,186	15	1942	Menard	13,400,640	77	1958
Bond	7,355,569	57	1942	Mercer	15,019,141	71	1958
Brown	60,907	35	1958	Monroe	8,284	13	1941
Bureau	51,753,007	74	1958	Montgomery	89,518,610	77	1958
Calhoun	96,247	27	1912	Morgan	190,787	64	1951
Cass	212,477	53	1941	Moultrie	2,032,236	16	1924
Christian	231,290,811	74	1958	Peoria	67,285,074	77	1958
Clark	4,482	2	1955	Perry	174,473,314	77	1958
Clinton	38,582,185	77	1958	Pike	5,081	8	1942
Coles	198,932	6	1888	Pope	1,562	11	1938
Crawford	44,786	13	1942	Putnam	10,071,893	29	1938
Douglas	2,761,009	13	1958	Randolph	74,927,618	77	1958
Edgar	915,698	41	1952	Richland	154	1	1890
Effingham	796	1	1890	Rock Island	3,846,169	67	1948
Franklin	485,949,325	60	1958	St. Clair	239,507,182	77	1958
Fulton	195,139,169	77	1958	Saline	197,901,892	77	1958
Gallatin	5,448,721	74	1958	Sangamon	232,884,143	77	1958
Greene	651,820	75	1958	Schuyler	3,492,436	76	1958
Grundy	40,872,430	77	1958	Scott	612,476	61	1942
Hamilton	22,097	16	1905	Shelby	4,119,763	67	1950
Hancock	771,281	72	1958	Stark	1,227,280	69	1952
Hardin	40	1	1890	Tazewell	17,633,802	75	1956
Henry	22,366,864	77	1958	Vermilion	154,015,755	77	1958
Jackson	86,831,314	77	1958	Wabash	187,120	30	1958
Jasper	23,739	11	1939	Warren	685,466	73	1954
Jefferson	21,966,124	55	1958	Washington	17,866,209	77	1958
Jersey	120,350	59	1951	White	1,676,741	36	1940
Johnson	244,004	52	1956	Will	37,553,733	77	1958
Kankakee	7,735,845	39	1958	Williamson	324,370,556	77	1958
Knox	34,935,027	77	1958	Woodford	7,810,160	70	1951
LaSalle	65,538,429	77	1958				
Livingston	10,109,908	77	1958	Total (1882-1958) . . .		3,513,099,406	
Logan	14,335,694	74	1958				
Macon	11,000,468	65	1947	Estimated production (1833-1881) . . .		73,386,123	
Macoupin	262,426,167	77	1958				
McDonough	2,634,903	69	1951	Total production (1833-1958) . . .		3,586,485,529	
McLean	5,544,139	47	1928				
Madison	161,118,646	77	1958				
Marion	39,148,392	77	1958				
Marshall	12,516,141	70	1951				

a Source: Illinois State Department of Mines and Minerals.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 7. - Annual Coal Production in Illinois by Counties, 1882-1958<sup>a</sup>  
(in tons)

Year	Adams	Bond	Brown	Bureau	Calhoun
1882-1947	46,186	7,355,569	57,113	48,066,535	96,247
1948	-	-	4	99,127	-
1949	-	-	-	77,322	-
1950	-	-	207	31,113	-
1951	-	-	-	-	-
1952	-	-	-	-	-
1953	-	-	-	-	-
1954	-	-	-	698,964	-
1955	-	-	-	794,394	-
1956	-	-	-	777,235	-
1957	-	-	-	730,615	-
1958	-	-	3,583	477,702	-
Total	46,186	7,355,569	60,907	51,753,007	96,247
Year	Cass	Christian	Clark	Clinton	Coles
1882-1947	212,477	163,896,196	-	36,889,783	198,932
1948	-	7,918,145	-	296,147	-
1949	-	5,192,596	-	214,956	-
1950	-	8,375,600	-	247,331	-
1951	-	8,183,437	-	200,733	-
1952	-	5,070,072	-	154,618	-
1953	-	6,722,124	-	129,711	-
1954	-	5,404,085	3,252	120,260	-
1955	-	6,162,935	1,230	114,451	-
1956	-	5,725,086 <sup>068</sup>	-	107,379	-
1957	-	5,738,338	-	64,935	-
1958	-	2,902,215	-	41,881	-
Total	212,477	231,290,811	4,482	38,582,185	198,932
Year	Crawford	Douglas	Edgar	Effingham	Franklin
1882-1947	44,786	50,717	850,060	796	414,584,730
1948	-	114,311	21,377	-	13,310,042
1949	-	75,953	9,107	-	8,211,630
1950	-	90,479	18,411	-	9,154,688
1951	-	156,295	11,497	-	7,955,001
1952	-	179,529	5,246	-	5,305,997
1953	-	229,364	-	-	4,588,891
1954	-	250,380	-	-	4,321,775
1955	-	326,180	-	-	4,528,018
1956	-	386,915	-	-	4,745,077
1957	-	423,880	-	-	4,592,021
1958	-	477,006	-	-	4,651,455
Total	44,786	2,761,009	915,698	796	485,949,325

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Table 7. - Annual Coal Production (in tons) - Continued

Year	Fulton	Gallatin	Greene	Grundy	Hamilton
1882-1947	133,760,251	3,919,535	620,767	39,756,543	22,097
1948	6,489,552	77,212	-	171,665	-
1949	4,774,329	63,211	-	93,120	-
1950	6,090,779	71,158	930	45,208	-
1951	6,274,275	160,818	1,020	40,376	-
1952	5,775,756	142,623	132	39,462	-
1953	6,063,002	160,242	1,395	30,848	-
1954	4,957,915	95,971	3,000	13,961	-
1955	5,397,774	196,813	5,811	247,625	-
1956	5,364,877	245,842	6,308	217,991	-
1957	5,485,882	210,032	5,248	192,883	-
1958	4,704,777	105,264	7,209	22,748	-
Total	195,139,169	5,448,721	651,820	40,872,430	22,097
Year	Hancock	Hardin	Henry	Jackson	Jasper
1882-1947	391,168	40	17,151,679	73,776,136	23,739
1948	47,077	-	706,666	1,242,101	-
1949	53,727	-	621,570	882,576	-
1950	40,446	-	866,948	1,208,290	-
1951	41,030	-	953,868	1,494,440	-
1952	31,586	-	813,621	1,228,899	-
1953	11,133	-	746,882	1,089,287	-
1954	23,520	-	29,213	1,099,071	-
1955	30,387	-	40,462	1,160,194	-
1956	28,690	-	88,852	1,254,674	-
1957	34,522	-	226,298	1,206,485	-
1958	37,995	-	120,805	1,189,161	-
Total	771,281	40	22,366,864	86,831,314	23,739
Year	Jefferson	Jersey	Johnson	Kankakee	Knox
1882-1947	5,179,014	118,624	242,109	1,948,786	18,209,216
1948	570,676	456	-	-	1,474,214
1949	299,483	220	-	-	1,021,986
1950	499,042	660	-	355,333	1,331,892
1951	912,073	390	-	857,916	1,375,736
1952	1,253,526	-	-	871,379	1,054,043
1953	1,369,093	-	-	840,927	1,125,720
1954	1,579,296	-	-	834,905	1,810,964
1955	1,582,907	-	-	551,356	1,784,754
1956	2,654,179	-	1,895	621,075	1,661,150
1957	3,016,481	-	-	480,903	1,898,117
1958	3,050,354	-	-	373,265	2,187,235
Total	21,966,124	120,350	244,004	7,735,845	34,935,027

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 7. - Annual Coal Production (in tons) - Continued

Year	LaSalle	Livingston	Logan	Macon	Macoupin
1882-1947	65,182,287	10,065,054	13,934,849	11,000,468	243,988,145
1948	142,796	6,013	49,528	-	4,281,292
1949	81,372	7,408	51,074	-	3,769,590
1950	44,737	7,267	49,920	-	3,301,308
1951	21,454	2,891	48,256	-	2,361,673
1952	17,371	2,771	34,308	-	1,716,224
1953	12,803	4,059	33,710	-	1,044,091
1954	14,123	4,164	32,597	-	503,142
1955	3,482	3,879	27,536	-	341,826
1956	5,134	3,434	13,602	-	250,293
1957	9,186	2,222	30,235	-	431,340
1958	3,684	746	30,079	-	437,243
Total	65,538,429	10,109,908	14,335,694	11,000,468	262,426,167
Year	McDonough	McLean	Madison	Marion	Marshall
1882-1947	2,634,288	5,544,139	147,409,358	37,736,376	12,512,505
1948	317	-	2,091,468	238,667	78
1949	150	-	1,707,054	150,629	901
1950	-	-	1,489,645	226,531	2,147
1951	148	-	1,419,589	199,031	510
1952	-	-	1,228,392	176,622	-
1953	-	-	1,032,078	152,075	-
1954	-	-	995,162	69,382	-
1955	-	-	1,035,831	63,240	-
1956	-	-	1,153,268	54,303	-
1957	-	-	910,165	50,628	-
1958	-	-	646,586	30,908	-
Total	2,634,903	5,544,139	161,118,646	39,148,392	12,516,141
Year	Menard	Mercer	Monroe	Montgomery	Morgan
1882-1947	13,189,243	14,994,188	8,284	75,398,150	177,223
1948	28,162	-	-	925,221	27
1949	24,309	-	-	790,674	4,204
1950	31,584	3,744	-	746,046	9,069
1951	22,000	910	-	700,974	264
1952	16,465	80	-	1,140,994	-
1953	13,960	-	-	1,632,211	-
1954	13,737	-	-	1,600,716	-
1955	16,110	-	-	1,723,975	-
1956	14,747	-	-	1,678,543	-
1957	14,915	249	-	1,602,483	-
1958	15,408	19,970	-	1,578,623	-
Total	13,400,640	15,019,141	8,284	89,518,610	190,787

## ILLINOIS MINERAL PRODUCTION, 1958

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Table 7. - Annual Coal Production (in tons) - Continued

Year	Moultrie	Peoria	Perry	Pike	Pope
1882-1947	2,032,236	62,287,671	130,852,288	5,081	1,562
1948	-	685,679	5,227,860	-	-
1949	-	538,577	3,729,409	-	-
1950	-	638,732	4,923,345	-	-
1951	-	415,915	4,564,883	-	-
1952	-	373,645	4,044,341	-	-
1953	-	371,662	3,996,200	-	-
1954	-	425,008	3,289,295	-	-
1955	-	442,838	3,602,019	-	-
1956	-	425,656	3,826,383	-	-
1957	-	349,780	3,425,245	-	-
1958	-	329,911	2,992,046	-	-
Total	2,032,236	67,285,074	174,473,314	5,081	1,562
Year	Putnam	Randolph	Richland	Rock Island	St. Clair
1882-1947	10,071,893	55,862,194	154	3,845,526	199,615,119
1948	-	2,500,002	-	643	3,098,062
1949	-	1,588,397	-	-	2,878,716
1950	-	1,689,421	-	-	3,740,236
1951	-	1,671,363	-	-	3,779,695
1952	-	1,402,846	-	-	3,475,548
1953	-	1,378,637	-	-	3,507,536
1954	-	1,636,830	-	-	2,844,064
1955	-	2,013,670	-	-	3,248,103
1956	-	2,085,128	-	-	3,972,018
1957	-	1,483,260	-	-	4,009,759
1958	-	1,615,870	-	-	5,338,326
Total	10,071,893	74,927,618	154	3,846,169	239,507,182
Year	Saline	Sangamon	Schuyler	Scott	Shelby
1882-1947	164,065,226	226,243,772	2,605,042	612,476	4,119,550
1948	4,454,755	2,219,443	147,252	-	-
1949	3,912,668	1,309,446	43,972	-	197
1950	3,816,949	1,498,412	46,421	-	16
1951	3,308,127	653,034	33,166	-	-
1952	2,996,317	295,046	27,558	-	-
1953	2,976,213	142,304	27,540	-	-
1954	2,170,617	106,257	22,630	-	-
1955	2,454,533	79,093	25,642	-	-
1956	2,816,145	109,205	19,854	-	-
1957	2,542,799	116,839	18,474	-	-
1958	2,387,543	111,292	474,885	-	-
Total	197,901,892	232,884,143	3,492,436	612,476	4,119,763

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 7. - Annual Coal Production (in tons) - Continued

Year	Stark	Tazewell	Vermilion	Wabash	Warren
1882-1947	1,226,382	17,314,116	144,414,528	186,144	671,877
1948	-	78,899	412,763	-	2,292
1949	-	56,126	677,704	-	2,629
1950	120	73,714	759,333	-	2,996
1951	675	48,667	1,057,932	-	2,316
1952	103	36,520	963,458	-	1,500
1953	-	11,153	849,754	-	979
1954	-	9,330	813,285	-	877
1955	-	3,102	878,749	-	-
1956	-	2,175	995,623	-	-
1957	-	-	1,088,148	-	-
1958	-	-	1,104,478	976	-
Total	1,227,280	17,633,802	154,015,755	187,120	685,466
Year	Washington	White	Will	Williamson	Woodford
1882-1947	17,095,131	1,676,741	32,166,155	263,696,320	7,768,599
1948	495,141	-	1,664,282	4,863,733	13,658
1949	29,388	-	1,109,555	3,562,924	11,521
1950	41,066	-	920,411	4,776,775	13,843
1951	30,655	-	446,814	5,457,293	2,539
1952	22,404	-	101,725	5,751,861	-
1953	21,201	-	136,083	5,513,246	-
1954	18,956	-	135,181	5,823,867	-
1955	20,069	-	153,205	6,649,312	-
1956	25,315	-	155,154	6,310,853	-
1957	35,706	-	303,867	5,950,949	-
1958	31,177	-	261,301	6,013,423	-
Total	17,866,209	1,676,741	37,553,733	324,370,556	7,810,160
State totals					
1882-1947	2,969,680,171				
1948	66,166,805				
1949	47,630,380				
1950	57,282,303				
1951	54,869,679				
1952	45,752,583				
1953	45,966,114				
1954	41,775,752				
1955	45,711,555				
1956	47,804,040				
1957	46,682,889				
1958	43,777,130				
Total	3,513,099,406				



Table 8. - National Production of Bituminous Coal, 1955-1958<sup>a</sup>  
(thousands of tons)

State	1955	1956	1957*	1958 <sup>b</sup>	Percent of 1958 total
West Virginia	139,168	155,891	156,842	118,500	29.3
Pennsylvania	85,713	90,287	85,365	68,000	16.8
Kentucky	69,020	74,555	74,667	64,100	15.8
Illinois	45,932	48,102	46,993	43,900	10.8
Ohio	37,870	38,934	36,861	30,000	7.4
Virginia	23,508	28,063	29,505	27,200	6.7
Indiana	16,149	17,089	15,841	15,000	3.7
Alabama	13,088	12,663	13,259	10,500	2.6
Tennessee	7,053	8,848	7,955	6,800	1.7
Utah	6,296	6,522	6,858	5,260	1.3
Total	443,797	480,954	474,146	389,260	96.1
All other states	20,836	19,920	18,558	15,740	3.9
Grand total	464,633	500,874	492,704	405,000	100.0

\* Revised figures.

a Source: U. S. Bureau of Mines.

b Preliminary figures.

#### PETROLEUM INDUSTRY

As a producer of crude oil, Illinois not only ranks among the top ten producing states of the United States by holding eighth position but is the leading producer of oil among the states lying wholly east of the Mississippi River. Table 13 shows that the state of Texas is the top producer of crude oil in the nation. In fact, the next four oil producing states - California, Louisiana, Oklahoma, and Kansas - would have to combine their production to equal the Texas output. The remaining five of the nation's first ten oil producers - Wyoming, New Mexico, Illinois, Colorado, and Mississippi - are comparatively small producers.

Table 14 indicates the estimated crude oil reserves in Illinois and in some other states, and table 15 gives the estimated natural gas reserves known in the several states listed. Each year the industry makes a survey of the amount of oil or gas reserve known to exist and that can be produced under current conditions of price and production practices. The figures given in these tables represent only known amounts of oil or gas on a given date.

#### Production

For 1958, Illinois crude oil, together with the associated products, gas and liquefied petroleum gases, accounted for about 41 percent of the state's total mineral product. Oil production in Illinois for 1958 was estimated to be 80,779,000 barrels, or some four million barrels more than was produced in 1957. The average value for Illinois oil was estimated at \$3 per barrel for 1958, bringing its total value to more than 242 million dollars.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 9. - Illinois Well Completions and Production, 1936-1958

Year	Completions <sup>a</sup>	Producing Wells		Production <sup>b,c</sup> (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

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 10. - Illinois Fields That Produced More Than One Million Barrels of Oil During 1958

Rank	Field	Production (barrels)	Percent of state total
1	Louden	13,694,000	17.0
2	Southeastern Illinois	11,020,000	13.6
3	Clay City Consolidated	7,873,000	9.7
4	Salem Consolidated	6,492,000	8.0
5	New Harmony Consolidated	4,404,000	5.5
6	Centralia	3,463,000	4.3
7	Dale Consolidated	2,477,000	3.0
8	Roland Consolidated	2,151,000	2.7
9	Sailor Springs Consolidated	1,528,000	1.9
10	Albion Consolidated	1,362,000	1.7
11	Inman East Consolidated	1,185,000	1.5
12	Johnsville Consolidated	1,004,000	1.2
	Total	56,653,000	70.1
	Other fields	24,126,000	29.9
	State total	80,779,000	100.0

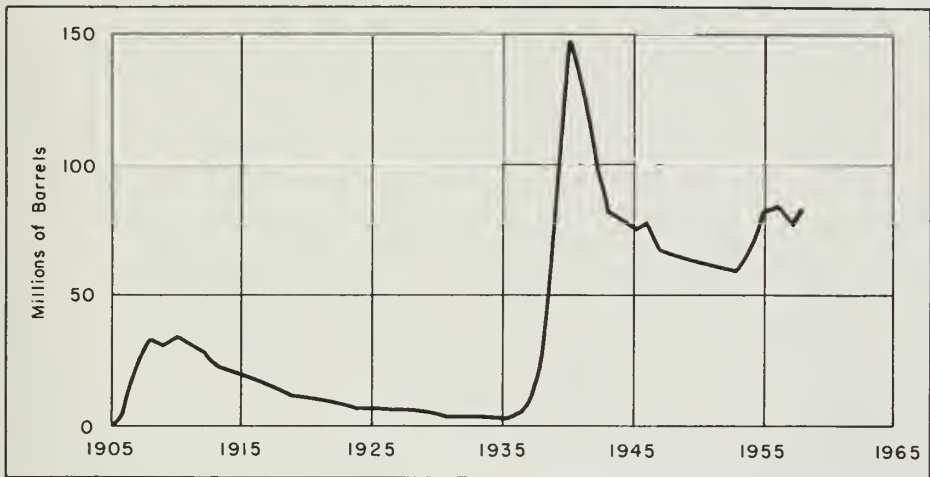
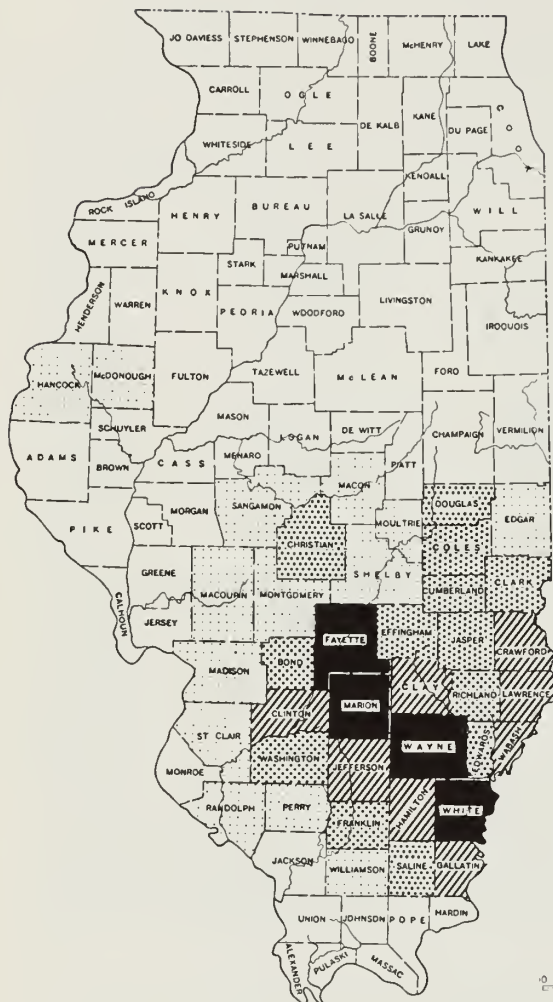


Fig. 5. - Illinois production of crude petroleum, 1905-1958.

Table 9 gives a summary of well completions and production since 1936, the year just prior to the beginning of increased activity in Illinois oil fields (fig. 5). Illinois fields that produced more than one million barrels of oil each during 1958 are listed in table 10. This table also names the twelve oil fields in Illinois that produced more than two-thirds of the state's total oil production.

Of special interest are table 11 and figure 6. The table gives the estimated amount of oil produced from Illinois counties for the year 1957. The percentage of the state's total oil that each county produced and its approximate value also is shown. The map (fig. 6) shows the concentration of oil production throughout the state during 1957. Of equal interest and importance are table 12 and figure 7. Production figures, percent of total, and values for each oil producing county in Illinois for 1958 are given in the table, and the figure shows the areas of oil production for 1958.

Figure 8 is a map of the southern portion of Illinois and indicates the extent of the Illinois oil basin. The relative sizes of the various oil fields are shown, together with the new fields discovered in 1958.



ILLINOIS COUNTIES  
PRODUCING OIL  
in 1957

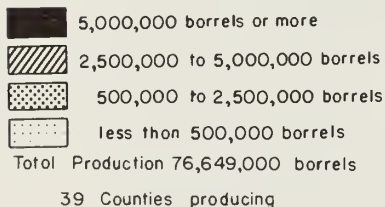
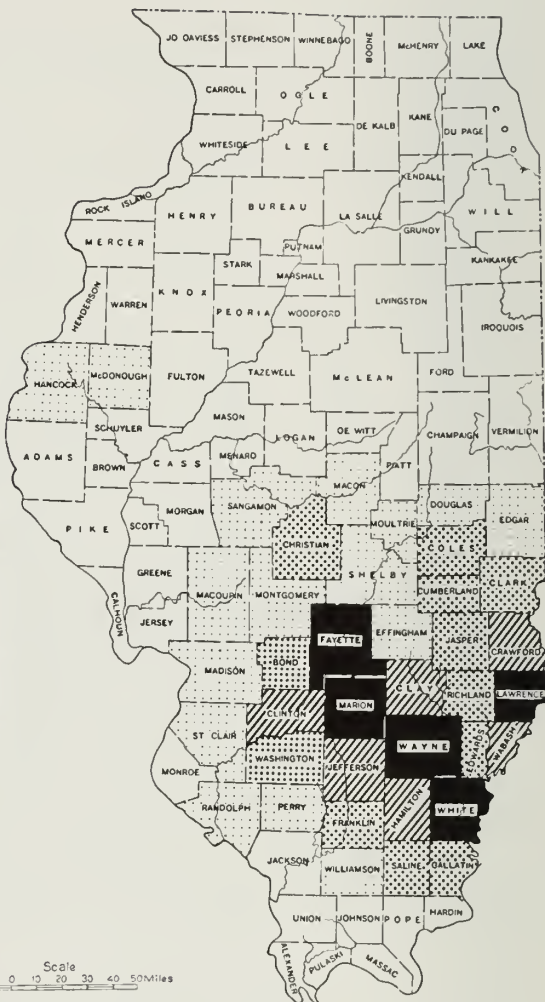


Fig. 6. - Illinois oil production by counties in 1957.



ILLINOIS COUNTIES  
PRODUCING OIL  
in 1958

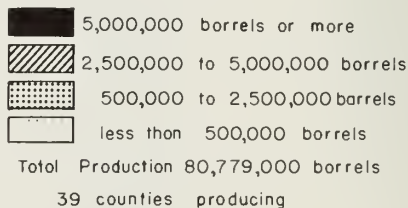


Fig. 7. - Illinois oil production by counties in 1958.

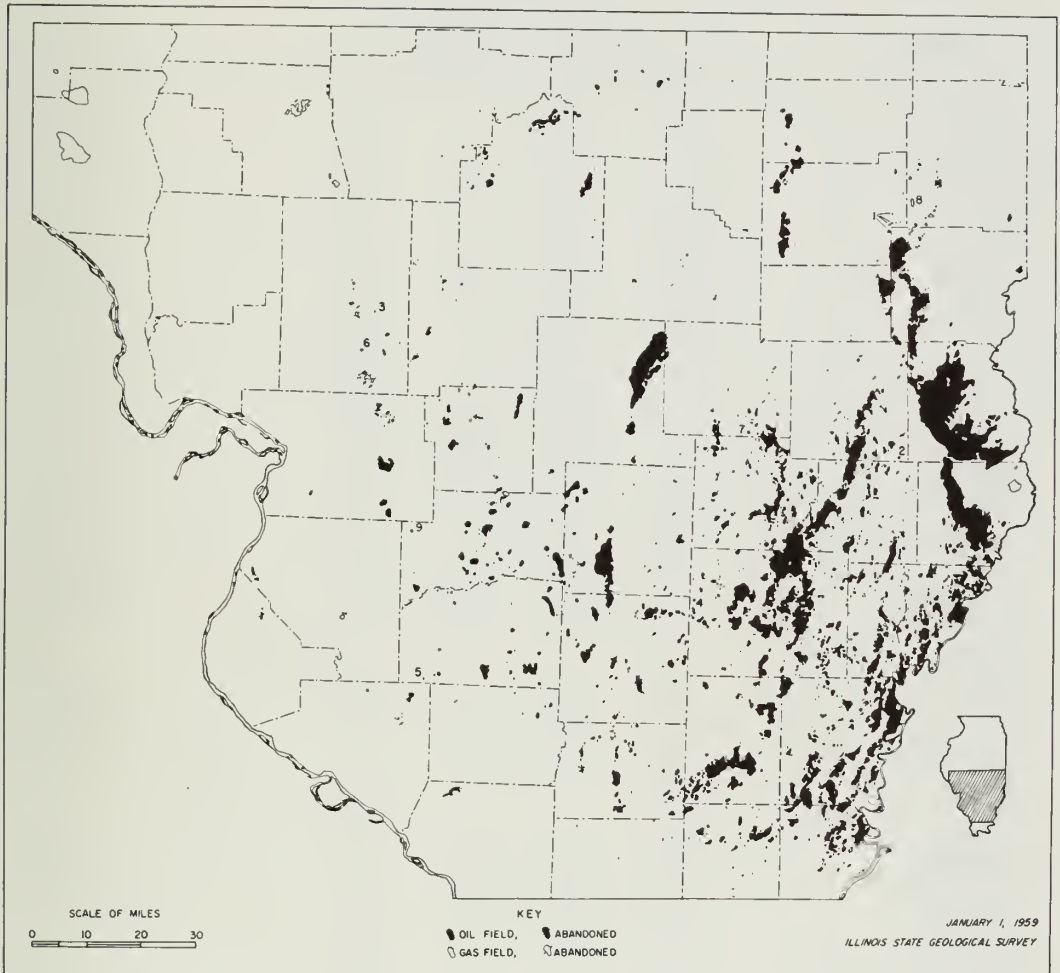


Fig. 8. - Oil and gas pools discovered in Illinois in 1958.

- |                       |                          |                    |
|-----------------------|--------------------------|--------------------|
| 1 - Ashmore South     | 4 - Coil North           | 7 - Hord North     |
| 2 - Bowyer            | 5 - Coulterville North   | 8 - Kansas (gas)   |
| 3 - Carlinville South | 6 - Gillespie West (gas) | 9 - New Baden East |

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 11. - Estimated Oil Production by Illinois Counties in 1957<sup>a</sup>

County	Production		Value <sup>b</sup> (thousands of dollars)
	Thousands of barrels	Percent of state total	
Bond	884	1.15	\$ 2,766.9
Christian	1,757	2.30	5,499.4
Clark-Cumberland	1,740	2.27	5,446.2
Clay	4,512	5.89	14,122.5
Clinton	4,003	5.22	12,529.4
Coles	1,011	1.32	3,164.4
Crawford	2,964	3.87	9,277.3
Douglas	819	1.07	2,563.4
Edgar	100	0.13	313.0
Edwards	1,752	2.29	5,483.7
Effingham	525	0.68	1,643.2
Fayette	12,113	15.80	37,913.7
Franklin	1,724	2.25	5,396.1
Gallatin	2,708	3.53	8,476.0
Hamilton	3,265	4.26	10,219.4
Hancock-McDonough	65	0.08	203.4
Jasper	1,153	1.50	3,608.9
Jefferson	2,839	3.70	8,886.0
Lawrence	4,672	6.10	14,623.3
Macon	82	0.11	257.6
Macoupin	1	-	3.1
Madison	335	0.44	1,048.5
Marion	6,546	8.54	20,489.0
Montgomery	3	-	9.4
Moultrie	8	0.01	25.0
Perry	32	0.04	100.1
Randolph	183	0.24	572.8
Richland	2,250	2.94	7,042.5
St. Clair	10	0.01	31.3
Saline	1,273	1.66	3,984.5
Sangamon	20	0.03	62.6
Shelby	35	0.05	109.5
Wabash	3,135	4.09	9,812.5
Washington	897	1.17	2,807.6
Wayne	5,351	6.98	16,748.6
White	7,819	10.20	24,473.4
Williamson	63	0.08	197.2
Total	76,649	100.00	\$239,911.4

a Subject to revision.

b Average price estimated at \$3.13 per barrel.

Table 12. - Estimated Oil Production by Illinois Counties in 1958<sup>a</sup>

County	Production		Value <sup>b</sup> (thousands of dollars)
	Thousands of barrels	Percent of state total	
Bond	615	0.76	\$ 1,845.0
Christian	1,757	2.18	5,271.0
Clark-Cumberland	1,730	2.14	5,190.0
Clay	3,605	4.46	10,815.0
Clinton	4,779	5.92	14,337.0
Coles	554	0.69	1,662.0
Crawford	2,999	3.71	8,997.0
Douglas	316	0.39	948.0
Edgar	90	0.11	270.0
Edwards	1,721	2.13	5,163.0
Effingham	427	0.53	1,281.0
Fayette	14,089	17.44	42,267.0
Franklin	2,175	2.69	6,525.0
Gallatin	2,377	2.94	7,131.0
Hamilton	2,912	3.60	8,736.0
Hancock-McDonough	56	0.07	168.0
Jasper	1,731	2.14	5,193.0
Jefferson	2,630	3.26	7,890.0
Lawrence	6,196	7.67	18,588.0
Macon	80	0.10	240.0
Macoupin	9	0.01	27.0
Madison	344	0.43	1,032.0
Marion	7,171	8.88	21,513.0
Montgomery	3	-	9.0
Moultrie	10	0.01	30.0
Perry	61	0.08	183.0
Randolph	179	0.22	537.0
Richland	2,198	2.72	6,594.0
St. Clair	7	0.01	21.0
Saline	1,196	1.48	3,588.0
Sangamon	30	0.04	90.0
Shelby	43	0.05	129.0
Wabash	3,101	3.84	9,303.0
Washington	917	1.14	2,751.0
Wayne	6,529	8.08	19,587.0
White	8,083	10.01	24,249.0
Williamson	59	0.07	177.0
Total	80,779	100.00	\$242,337.0

a Subject to revision.

b Average price estimated at \$3.00 per barrel.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 13. - National Production of Crude Oil, 1955-1958<sup>a</sup>  
(thousands of barrels)

State	1955	1956	1957*	1958 <sup>b</sup>	Percent of 1958 total
Texas	1,053,297	1,107,808	1,073,867	940,706	38.4
California	354,812	350,754	339,646	314,429	12.8
Louisiana	271,010	299,421	329,896	312,070	12.7
Oklahoma	202,817	215,862	214,661	202,699	8.3
Kansas	121,669	124,204	123,614	118,188	4.8
Wyoming	99,483	104,830	109,584	115,572	4.7
New Mexico	82,958	87,893	94,759	98,323	4.0
Illinois	81,423	82,346	77,083	82,125	3.4
Colorado	52,653	58,516	54,982	48,309	2.0
Mississippi	37,741	40,824	38,922	38,551	1.6
Total	2,357,863	2,472,458	2,457,014	2,270,972	92.7
All other states	126,565	144,825	159,887	177,865	7.3
Grand total	2,484,428	2,617,283	2,616,901	2,448,837	100.0

\* Revised figures.

a Source: U. S. Bureau of Mines.

b Preliminary figures.

Table 14. - Estimates of Proved Oil Reserves in Illinois  
and Other States, 1956-1959<sup>a</sup>  
(millions of barrels)

State <sup>b</sup>	1956	1957	1958	1959	Reserve change from 1958
Illinois	691	700	655	608	- 47
Indiana	61	68	67	71	+ 4
Kansas	998	992	947	922	- 25
Lousiana	3,255	3,675	3,857	4,044	+187
New Mexico	820	835	832	894	+ 62
Oklahoma	2,016	2,010	1,942	1,898	- 44
Texas	14,934	14,783	14,555	14,322	-233
Wyoming	1,374	1,363	1,420	1,409	- 11
United States	30,012	30,434	30,300	30,536	+236

a Source: American Petroleum Institute.

b Figures as of January 1, each year.



Table 15. - Estimates of Natural Gas Reserves in Illinois and Other States, 1956-1959<sup>a</sup>  
(billions of cubic feet)

State <sup>b</sup>	1956	1957	1958	1959	Reserve change from 1958
Illinois	234	220	166	170	+ 4
Indiana	33	34	31	31	-
Kansas	16,293	17,566	19,296	20,234	+ 938
Kentucky	1,262	1,246	1,225	1,215	- 10
Louisiana	42,436	45,054	51,436	55,112	+ 3,676
New Mexico	18,585	23,473	22,258	21,180	- 1,078
Oklahoma	13,205	13,775	14,259	15,207	+ 948
Texas	108,288	112,729	113,084	115,046	+ 1,962
Wyoming	3,196	3,236	3,457	3,650	+ 193
United States	223,697	237,775	246,569	254,142	+ 7,573

a Source: American Gas Association.

b Figures as of January 1, each year.

### STONE, SAND, AND GRAVEL

The most important stone product in Illinois is crushed stone from limestone and dolomite. The material is used in the construction industry and for highway and railway roadbed building and maintenance. It is also used in agriculture, the chemical and metallurgical industries, cement and lime manufacture, and for several minor uses.

Preliminary figures for 1958 show that a total of almost 28 million tons of crushed stone was reported produced, the value of which amounted to about 37 million dollars (table 16). Of the 102 counties in the state, 56 counties reported production of crushed stone during the year.

Revised figures for 1957 (table 16) show that Illinois producers reported a little more than 28 million tons of stone quarried, not including stone used in the manufacture of cement and lime. The stone was valued at 38.7 million dollars, an average of about \$1.38 per ton. Illinois counties traditionally leading in the production of crushed stone are Cook, Kankakee, Livingston, Randolph, St. Clair, and Will, with each county generally producing more than one million tons annually.

### Agricultural Limestone

Important to both the farmer and the quarry operator is the crushed stone product used as agricultural limestone, commonly called agstone. This stone commodity is important to the farmer because, as crop yields are increased through the use of commercial fertilizers, agstone is required to replenish the calcium in the soil.

The second annual report on Illinois agstone production is presented in table 17. The 1958 agstone figures reported show a greater total tonnage and a higher total value than those shown by the final figures for 1957. Eight of the nine geographical areas of the state (fig. 9) have reported increased tonnages and values for 1958. The highest average value of agstone was reported for the east-southeast section. However, the greatest total tonnage and the highest total value for 1958 have been recorded for the east section.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 16. - Illinois Limestone and Dolomite Production, 1950-1958a

Stone use	Tons		Value	
	1950		1951	
Agstone	4,209,519	\$ 5,406,175	3,592,202	\$ 4,622,635
Construction and paving	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
Construction and paving	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
Construction and paving	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
Construction and paving	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 <sup>b</sup>			
Agstone	3,537,014	\$ 5,025,972		
Construction and paving	21,581,538	27,227,751		
Metallurgical	1,941,138 <sup>c</sup>	3,191,995		
Railroad ballast	87,807	96,680		
Other	702,335	1,462,967		
Total	27,849,832	\$37,005,365		

\* Revised figures.

a Excluding stone used in manufacture of cement and lime.

b Preliminary figures.

c Includes chemical use for 1958.

Table 17. - Illinois Agstone Reported for 1958<sup>a,b</sup>

Counties Reporting Production <sup>c</sup>		Counties Reporting Production <sup>c</sup>	
NORTHWEST		NORTHEAST	
Carroll		Boone	
Jo Daviess		Cook	
Lee	41 operations	DeKalb	18 operations
Ogle	343,121 tons	DuPage	336,589 tons
Rock Island	\$429,411	Kane	\$450,487
Stephenson	\$1.25 per ton av.	Kendall	\$1.34 per ton av.
Whiteside		LaSalle	
Winnebago		McHenry	
		Will	
WEST		EAST	
Adams		Kankakee	8 operations
Brown	11 operations	Livingston	833,525 tons
Hancock	358,387 tons	Vermilion	\$1,051,953
Henderson	\$502,728		\$1.26 per ton av.
Knox	\$1.40 per ton av.		
McDonough			
Warren		CENTRAL	
		Logan	6 operations
WEST SOUTHWEST		Menard	254,710 tons
Calhoun		Peoria	\$423,354
Christian			\$1.66 per ton av.
Greene	19 operations		
Jersey	313,831 tons	EAST SOUTHEAST	
Madison	\$507,323	Clark	8 operations
Montgomery	\$1.62 per ton av.	Clay	314,654 tons
Pike		Coles	\$534,254
Scott		Effingham	\$1.70 per ton av.
		Shelby	
SOUTHWEST		SOUTHEAST	
Jackson			
Johnson	14 operations	Franklin	4 operations
Monroe	685,883 tons	Massac	96,314 tons
Pulaski	\$981,991		\$144,471
Randolph	\$1.43 per ton av.		\$1.50 per ton av.
St. Clair			
Union			

Agstone produced in 1958 in Illinois, 3,537,014, <sup>tons</sup>\$5,025,972, \$1.42 per ton av.  
129 operations reporting from 52 counties

a Subject to revision.

b All values at the quarry.

c Refer to figure 9.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 18. - Illinois Common Sand Production, 1950-1958<sup>a</sup>

Sand use	Tons		Value	
	1950	1951	1950	1951
Building	4,584,133	4,165,867	\$3,354,812	\$3,030,961
Road	1,563,842	2,211,818	1,170,670	1,661,994
Other	319,503	229,468	251,624	161,750
Total	6,467,478	6,607,153	\$4,777,106	\$4,854,705
	1952		1953	
Building	4,170,120	4,488,000	\$3,049,042	\$3,276,240
Road	2,040,737	1,558,400	1,449,071	1,246,720
Other	611,803	836,450	426,518	585,515
Total	6,822,660	6,882,850	\$4,924,631	\$5,108,475
	1954		1955	
Building	5,704,045	4,112,130	\$4,128,965	\$3,207,206
Road	1,864,110	1,488,340	1,439,350	1,161,883
Other	482,835	2,150,390	343,220	1,627,646
Total	8,050,990	7,750,860	\$5,911,535	\$5,996,735
	1956		1957*	
Building	7,826,936	5,325,363	\$5,811,036	\$4,079,500
Road	2,209,458	3,514,616	1,710,227	2,761,618
Other	424,906	584,184	331,329	410,886
Total	10,461,300	9,424,163	\$7,852,592	\$7,252,004
	1958 <sup>b</sup>			
Building	3,971,655		\$3,693,942	
Road	4,550,577		4,444,003	
Other	434,533		368,087	
Total	8,956,765		\$8,506,032	

\* Revised figures.

a Exclusive of silica sand and natural bonded molding sand.

b Preliminary figures.

## ILLINOIS MINERAL PRODUCTION, 1958

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Table 19. - Illinois Gravel Production, 1950-1958<sup>a</sup>

Gravel use	Tons		Value	
	1950	Value	1951	Value
Building	4,543,144	\$ 3,433,637	4,562,621	\$ 3,806,691
Road	4,467,578	2,845,943	3,164,656	2,126,827
Railroad ballast	601,603	310,705	676,504	384,802
Other	151,608	97,673	117,423	80,162
Total	9,763,933	\$ 6,687,958	8,521,204	\$ 6,398,482
	1952		1953	
Building	3,521,696	\$ 2,874,252	3,884,975	\$ 3,185,680
Road	3,592,794	2,468,843	2,926,700	2,165,760
Railroad ballast	1,054,983	588,382	855,100	478,860
Other	589,162	322,369	441,975	335,900
Total	8,758,635	\$ 6,253,846	8,108,750	\$ 6,166,200
	1954		1955	
Building	4,734,120	\$ 4,163,650	3,747,175	\$ 3,432,816
Road	5,688,670	4,325,715	4,468,500	3,656,155
Railroad ballast	538,515	346,680	402,255	223,415
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*	
Building	7,149,823	\$ 6,228,307	5,120,097	\$ 4,667,946
Road	4,729,226	3,528,833	6,132,232	5,130,579
Railroad ballast	515,697	367,895	570,019	367,291
Other	381,860	445,445	994,659	852,609
Total	12,776,606	\$10,570,480	12,817,007	\$11,018,425
	1958 <sup>b</sup>			
Building	3,007,422	\$ 3,127,655		
Road	8,136,374	7,829,644		
Railroad ballast	264,328	256,450		
Other	590,068	594,463		
Total	11,998,192	\$11,808,212		

\* Revised figures.

a Common gravel.

b Preliminary figures.

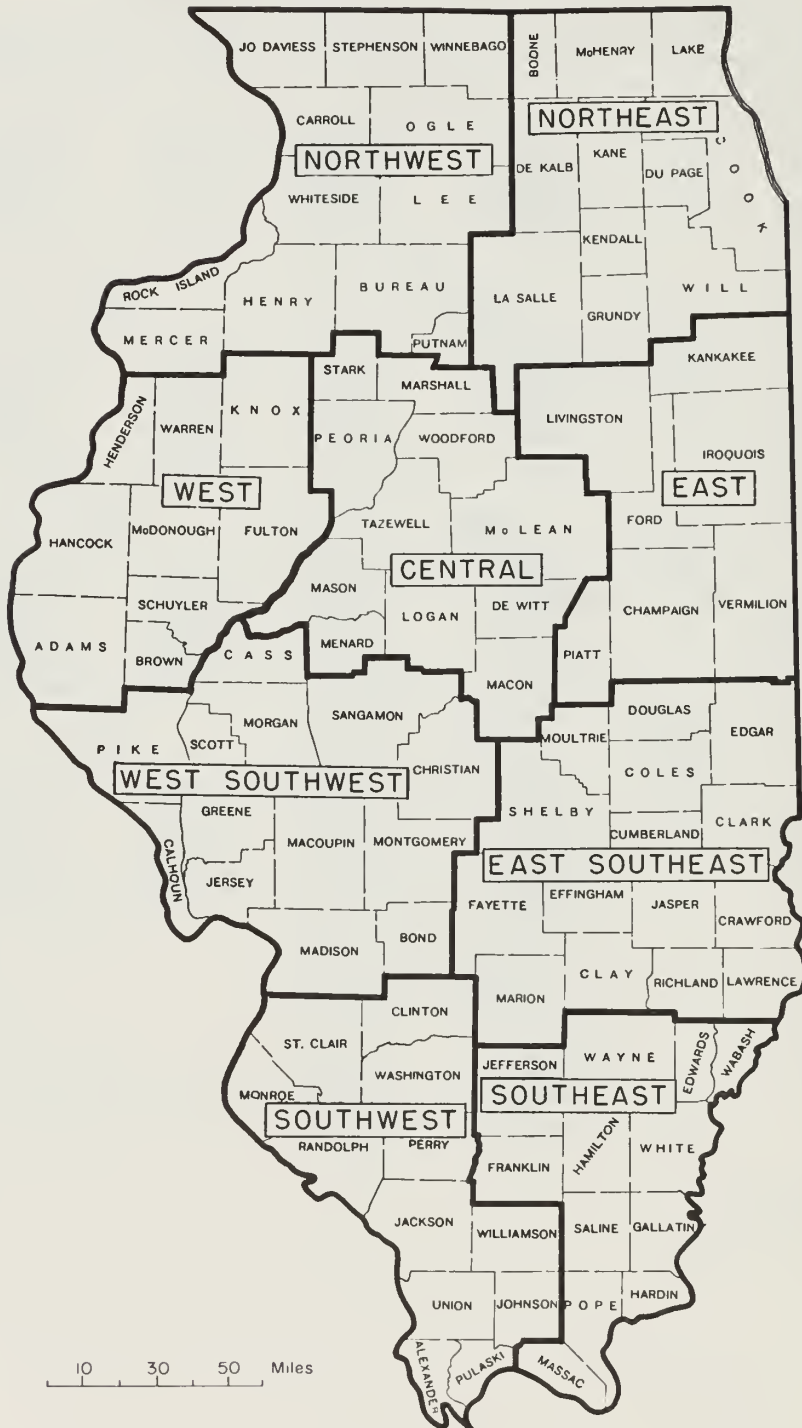


Fig. 9. - County outline map of Illinois showing area division.

Table 20. - Special Sands in Illinois, 1957-1958

Uses	1957*		1958 <sup>a</sup>	
	Tons	Value	Tons	Value
Silica sand				
Molding sand	685,971	\$ 1,842,544	720,000	\$ 1,950,000
Other uses <sup>b</sup>	2,022,467	6,569,266	1,940,000	6,305,000
Ground silica <sup>c</sup>	235,082	2,720,628	240,000	2,880,000
Total silica sand	-	\$11,132,438	-	\$11,135,000
Natural bonded molding sand	61,089	132,091	45,000	100,000
Total special sands	-	\$11,264,529	-	\$11,235,000

\*Revised figures.

a Estimated figures.

b Glass, grinding and polishing, blast, fire and furnace, engine, filter.

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

### Sand and Gravel

Common sand and gravel is used extensively in the construction industry; it also is used in building and maintaining highway and railway roadbeds, and for miscellaneous uses. Preliminary production figures for 1958, revised figures for 1957, and production figures for the years back to 1950 are recorded in table 18 for sand and in table 19 for gravel.

Special sands in Illinois include silica sand and natural bonded molding sand. Silica sand, which is produced in substantial quantities in LaSalle County and in lesser amounts in Ogle County, is a nearly pure quartz sand. Natural bonded molding sand can be used practically as dug for use in making molds for casting metal. Table 20 gives preliminary production figures for 1958 and revised 1957 figures for these special sands.

### CLAY PRODUCTS

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 clay products are the various forms of special heat-resistant firebrick and silica brick used by the metallurgical industries. Table 21 gives a summary of clay products produced for the years 1957 and 1958. Listed in table 22 are the number of Illinois clay products plants reporting production for 1957 and 1958. The county outline map of Illinois (fig. 9) shows the nine sections into which the state was divided for tabulating this list of clay plants.

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 21. - Production of Illinois Clay Products, 1957- 1958

Clay products reported	1957*		1958 <sup>a</sup>	
	Amount	Value	Amount	Value
Face brick	217,374,174	\$ 9,261,329	207,190,168	\$ 8,862,094
Common brick	265,631,355	6,936,415	226,276,206	5,845,580
Structural tile (tons)	55,684	601,164	48,874	494,870
Drain and sewer tile (tons)	131,572	3,615,669	157,762	3,582,316
Other structural products	-	1,412,732	-	1,214,124
Clay and silica refractories	-	13,382,866	-	10,861,608
Pottery and whiteware	-	25,486,982	-	23,918,273
Total		\$60,697,157		\$54,778,865

\* Revised figures.

a Preliminary figures.

Table 22. - Illinois Clay Product Plants Reporting Production, 1957-1958

County <sup>a</sup>	1957*	1958 <sup>b</sup>	County <sup>a</sup>	1957*	1958 <sup>b</sup>
NORTHWEST			NORTHEAST		
Bureau			Boone		
Mercer	3	3	Cook		
Rock Island			Grundy		
			Kane	26	24
			Lake		
			LaSalle		
			McHenry		
			Will		
WEST			EAST		
Brown			Kankakee		
Knox	7	7	Livingston	6	6
McDonough			Vermilion		
Warren			EAST SOUTHEAST		
			Crawford	2	2
			Fayette		
CENTRAL			SOUTHEAST		
Logan			Edwards	2	2
Marshall	5	5	Saline		
Menard			ILLINOIS TOTALS		
Tazewell			Counties reporting	32	30
			Plants reporting		
			production	61	58
WEST SOUTHWEST			SOUTHWEST		
Greene			Jackson	3	2
Madison	7	7	St. Clair		
Sangamon					
Scott					

\* Revised figures.

a Refer to figure 9.

b Preliminary figures.



## FLUORSPAR

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

United States shipments of finished domestic fluorspar in 1958 amounted to 319,200 tons and was valued at 15 million dollars, according to the U. S. Bureau of Mines. Shipments of finished fluorspar in 1957 totaled 328,900 tons and was valued at slightly more than 15.7 million dollars. National consumption of 494,000 tons of fluorspar in 1958 was 23 percent below the 644,700 tons consumed in 1957. Table 23 gives a summary of the amounts and values of fluorspar shipped from several states and totals for the United States in 1956 and 1957.

A tabulation of the amounts of fluorspar consumed (domestic and foreign) by various states in the United States is given in table 24. During both 1956 and 1957 Illinois was the leading consumer of fluorspar and was one of the states that increased its consumption of this material in 1957 over the amount consumed in 1956.

## METALS

The principal metal recovered from Illinois mining operations is zinc. Somewhat smaller amounts of lead are produced, and occasionally very small quantities of silver are reported recovered. Jo Daviess County in extreme northwestern Illinois and Hardin County in southern Illinois are the principal areas of metal production in the state.

Throughout the United States in 1958 the zinc and lead industry was generally characterized by low demand, mounting stocks, large imports, and lower prices, resulting in reduced mine and smelter production. In Illinois during 1958 the mine production of recoverable lead declined to about 55 percent of that produced in 1957. However, due to increased activity on the part of some producers in northern Illinois, preliminary figures for the mine production of recoverable zinc indicate that total tonnage of this metal for 1958 equalled the 1957 production, although the price per ton was lower (table 25).

## ILLINOIS STATE GEOLOGICAL SURVEY

Table 23. - Fluorspar Shipped from Mines in the United States and Imports in 1957<sup>a</sup>

State	1957		Percent of United States	
	Tons	Value	Total tons	Total value
Illinois	169,939	\$ 8,827,171	51.6	56.0
Kentucky	20,626	979,357	6.3	6.2
Utah	11,087	387,042	3.4	2.4
Other states	127,220	5,583,318	38.7	35.4
Total: 1957	328,872	\$15,776,888	100.0	100.0
1956	329,719	\$14,257,177		
Imports for use in United States				
Total: 1957	631,367	\$16,031,085		
1956	485,552	\$11,224,968		

<sup>a</sup> Source: U. S. Bureau of Mines.

Table 24. - Fluorspar (domestic and foreign) Consumed in the United States, 1956-1957<sup>a</sup>

State	Tons consumed		Percent of 1957 total consumed
	1956	1957	
Illinois	92,016	97,454	15.1
Pennsylvania	87,729	82,882	12.8
Ohio	74,544	72,151	11.2
California	30,766	35,985	5.6
Indiana	33,311	33,451	5.2
Kentucky	24,836	30,111	4.7
Texas	16,315	21,221	3.3
Michigan	21,013	20,453	3.2
New York	20,088	20,204	3.1
Arkansas, Kansas, Louisiana, Oklahoma	76,859	88,622	13.7
Delaware, New Jersey	81,272	79,275	12.3
Colorado, Utah	21,209	22,944	3.6
All other states	41,396	39,935	6.2
Total	621,354	644,688	100.0

<sup>a</sup> Source: U. S. Bureau of Mines.

## ILLINOIS MINERAL PRODUCTION, 1958

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Table 25. - Illinois Zinc, Lead, and Silver Production, 1949-1958<sup>a</sup>

Year <sup>b</sup>	Zinc		Lead		Silver	
	Tons	Value	Tons	Value	Ounces	Value
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	7,926,464	3,160	1,093,360	3,465	3,136
1952	18,816	6,246,912	4,262	1,372,364	3,781	3,422
1953	14,556	3,347,880	3,391	888,442	2,338	2,116
1954	14,427	3,116,232	3,232	885,568	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 <sup>c</sup>	25,000	5,150,000	1,600	381,000	-	-

\* Revised figures.

a Mine production of recoverable metal.

b Source: U. S. Bureau of Mines.

c Preliminary figures.

DIRECTORY OF ILLINOIS INDUSTRIAL MINERALS PRODUCERS

The following pages contain lists of mineral operations of recent record. The lists, arranged by product and by county, are not necessarily complete because of changes in organization, mining location, or other conditions.

The directory is published to help consumers on mineral raw materials locate sources of materials most convenient to them, to answer queries of mine- and quarry-equipment manufacturers, and to give citizens of Illinois information about local industries.

Schoolteachers who use the annual reports for studies of mine mineral resources and conservation also will find the list valuable.

LIMESTONE AND DOLOMITE  
PRODUCERS

- |   |   |
|---|---|
| <p>Adams</p> <p>Black White Limestone Co., Box 87,<br/>Front &amp; 8th Sts., Quincy</p> <p>Marblehead Lime Co., 300 W. Wash-<br/>ington St., Chicago 6</p> <p>Menke Stone &amp; Lime Co., 828 Vermont<br/>St., Quincy</p> <p>Missouri Gravel Co., 833 Jersey St.,<br/>Quincy</p> <p>Western Illinois Stone Co., 314 15th<br/>St., Moline</p> <p>Bond</p> <p>Bond Stone Co., Sorento</p> <p>Boone</p> <p>Belvidere Lime Quarry, 225 E. Marshall<br/>St., Belvidere</p> <p>Charles Lee &amp; Sons, P.O. Kirkland,<br/>Irene</p> <p>Brown</p> <p>T. F. Hollebeak &amp; Son, Mt. Sterling</p> <p>Calhoun</p> <p>Calhoun Quarry Co., Batchtown</p> <p>Paul C. Herter, Golden Eagle</p> <p>Carroll</p> <p>Allen Boyer, Mt. Carroll</p> <p>Kingery &amp; Messmer, Lanark</p> <p>Minor Bros., R.R. 2, Milledgeville</p> <p>Earl Randecker, Savanna</p> <p>Rein &amp; Dahl, 308 E. Main St.,<br/>Stoughton, Wis.</p> <p>Rush H. Watson &amp; Son, Barneveld, Wis.</p> <p>Christian</p> <p>Edinburg Quarries, R.R. 2, Edinburg</p> <p>Tri-County Stone Co., Nokomis</p> <p>Clark</p> <p>Casey Stone Co., Box 128, 128 W.<br/>Alabama, Casey</p> | <p>Ralph E. Montgomery, P.O. Box 128,<br/>Marshall</p> <p>Quality Lime Co., Marshall</p> <p>Rock Hill Quarry, West Union</p> <p>Clay</p> <p>Iola Stone &amp; Material Co., Box 326,<br/>Centralia</p> <p>Clinton</p> <p>Buehne Quarry Co., R.R. 1, Breese</p> <p>Huelsmann Quarry Co., Inc., R.F.D. 3,<br/>Carlyle</p> <p>Coles</p> <p>Charleston Stone Co., Box 283, Charles-<br/>ton</p> <p>Olen Humphres Stone Quarry, Ashmore</p> <p>Cook</p> <p>Consumers Co. of Illinois, 79 W. Mon-<br/>roe St., Chicago 3</p> <p>Dolese and Shepard Co., Box 227,<br/>LaGrange</p> <p>Material Service Corp., 300 W. Wash-<br/>ington St., Chicago 6</p> <p>DeKalb</p> <p>Elmer Larson, P.O. Box 476, 320 Pros-<br/>pect St., DeKalb</p> <p>Macklin Bros., Steward</p> <p>DuPage</p> <p>Elmhurst-Chicago Stone Co., 400 W.<br/>First St., Elmhurst</p> <p>Effingham</p> <p>Winter's Stone Quarry, Altamont</p> <p>Fulton</p> <p>Chipman Limestone Quarry, 585 E. Ful-<br/>ton St., Farmington</p> <p>Greene</p> <p>Oran Orton, Hillview</p> <p>Martin Valstad, Carrollton</p> |
|---|---|

## Hancock

Colchester Stone Co., 1630 5th Ave.,  
Moline  
Gray Quarries, Inc., Hamilton  
Nauvoo Quarry Inc., Nauvoo  
R. L. O'Neal & Sons, Carthage

## Hardin

Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri  
Denny & Simpson Stone Co., Harris-  
burg  
Okerson Quarry Co., P.O. Box 226,  
Cave in Rock  
Rigsby & Barnard, Box 56, Cave in Rock

## Henderson

Galbraith Stone Quarry, Raritan  
Olson Bros., Box 355, Dallas City  
Raid Bros. Construction Co., Box 202,  
510 S. Main St., Burlington, Iowa

## Jackson

Illinois Quarry Co., P.O. Box 401, Ava

## Jefferson

Randall Stone Co., 824 Pace Ave., Mt.  
Vernon

## Jersey

Grafton Quarry, Grafton  
Jersey Quarry, Inc., Jerseyville  
Sievers Bros., Fieldon

## Jo Daviess

W. E. Broege, Box 495, Warren  
Virgil Hardacre, R.R. 2, Pearl City  
Kingery & Messmer, Lanark  
Erwin B. Peacock, Route 1, Scales  
Mound  
Harry Posey, R.R. 1, Stockton  
Rush H. Watson & Son, Barneveld, Wis.  
Westaby Construction Co., Route 4,  
Stockton  
E. Wiene & Sons Construction Co.,  
308 South St., Galena

## Johnson

Charles Stone Co., Cypress  
Johnson County Stone Co., Inc., 404 W.  
Broadway, Johnston City  
Southern Illinois Stone Co., P.O. Box  
28, Buncombe

## Kane

Conco-Western Stone Co., 111 N.  
Spaulding St., Spring Valley

Fox River Stone Co., Route 2, Elgin

## Kankakee

Bourbonnais Stone Quarry, 284 S. Clin-  
ton, Bradley  
Lehigh Stone Co., P.O. Box 669, Kanka-  
kee  
Manteno Limestone Co., Box 509,  
Manteno

## Kendall

Central Limestone Co., R.F.D. 4,  
Morris

## Knox

Abingdon Rock Co., Inc., Box 127,  
Abingdon

## Lake

Economy Crushed Gravel Co., Inc.,  
Waukegan

## LaSalle

Sheridan Stone Co., Box 117, Sheridan  
Troy Grove Stone Co., Troy Grove  
Utica Stone Co., 111 N. Spaulding St.,  
Spring Valley

## Lee

Frank N. Butler Co., Franklin Grove  
Wilmer Gerdes Quarry, R.F.D. 2, Dixon  
Ward McGinnis, Route 1, Dixon  
William Seitz, Route 1, Oregon  
Stoneridge Limestone Co., 503 Woolf  
Ct., Rochelle

## Livingston

Chenoa Stone Co., Chenoa  
Livingston Stone Co., R.R. 4, Pontiac  
Ocoya Stone Co., Pontiac  
Pontiac Stone Co., P.O. Box 412, Pon-  
tiac  
Wagner Stone Co., Route 1, Pontiac

## Logan

Rocky Ford Limestone Co., R.F.D. 1,  
Lincoln

## Madison

C. M. Lohr, Inc., Godfrey  
Mississippi Lime Co., Box 247, 7 Alby  
St., Alton  
Reliance Whiting Co., P.O. Box 265,  
16th & Alby Sts., Alton

## Massac

Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri

## McDonough

Colchester Stone Co., 1630 5th Ave.,  
Moline  
John McClure Quarry, Colchester  
Olson Bros., Box 355, Dallas City

## McHenry

Garden Prairie Stone Co., Inc., 104 S.  
State St., Marengo

## Menard

Athens Stone Quarry, R.F.D. 2, Athens  
Indian Point Limestone Products, Mason  
City

## Mercer

Linn Materials Inc., Viola

## Monroe

Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri

## Montgomery

Litchfield Stone Co., Litchfield  
Nokomis Limestone Quarry, Box 8,  
Nokomis

## Ogle

Clarence Lenstrom, Stillman Valley  
Macklin Bros., Steward  
N & L Construction Co., Polo  
Rockford Blacktop Co., 1615 Westchester  
Dr., Rockford  
Francis E. Schier, R.R. 3, Oregon  
William Seitz, Route 1, Oregon  
Clyde R. Walden, Byron

## Peoria

Chipman Limestone Quarry, 585 E. Ful-  
ton St., Farmington  
Lamar Stone Co., Princeville  
Long Rock Co., Box 108, Princeville  
Princeville Stone Co., Princeville

## Pike

Victor H. Callender, 127 N. Clinton St.,  
Pittsfield  
Campbell Quarry, Milton  
Lacey & Bauer, Pearl  
Norvin O. Lumley, Kinderhook  
Missouri Gravel Co., 833 Jersey St.,  
Quincy  
Pearl Stone Co., Pearl  
Webster Limestone Co., Pleasant Hill

## Pulaski

Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri

## Raldolph

Allied Chemical & Dye Corp., Solvay  
Process Div., P.O. Box 271, Syra-  
cuse 1, New York  
Chester Quarry Co., 215 Knapp St.,  
Chester  
Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri  
Al Stotz Quarry, Prairie Du Rocher

## Rock Island

Collinson Stone Co., 3115 23rd Ave.,  
Moline  
Cordova Quarry Inc., 3115 23rd Ave.,  
Moline  
Midway Stone Co., Inc., Hillsdale

## St. Clair

Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri  
East St. Louis Stone Co., 528 Murphy  
Bldg., E. St. Louis  
Hecker Quarry Inc., 301 S. Jackson St.,  
New Athens  
Casper Stolle Quarry & Construction Co.,  
R.R. 1, E. St. Louis

## Schuyler

Elas Quarry, 315 E. Adams, Rushville  
Missouri Gravel Co., 833 Jersey St.,  
Quincy  
Western Illinois Stone Co., 314 15th  
St., Moline

## Scott

Krueger Quarry, Winchester  
Thomas Quarry, Winchester

## Shelby

Winter's Stone Quarry, Altamont

## Stephenson

Ray Askey, Orangeville  
W. E. Broege, Box 495, Warren  
Irvin Buss, Davis  
Russel E. Cox, Box 46, Lena  
Edward Finkbiener & Son, 4 E. South St.,  
Freeport  
Elmer Fortner, 1406 S. Walnut, Freeport  
Rees Construction Co., 2474 11th Ave.,  
Monroe, Wis.  
Rein & Dahl, 308 E. Main St.,  
Stoughton, Wis.  
Rockford Blacktop Co., 1615 Westchester  
Dr., Rockford  
Scofield & Co., Inc., P.O. Box 480,  
Freeport

## Stephenson (Continued)

V. H. Stich, Lena  
Arthur Zimmerman & Son, Pecatonica

## Union

Anna Quarries Inc., Lock Drawer 180,  
Anna  
Columbia Quarry Co., 1007 Washington  
Ave., St. Louis 1, Missouri  
Jonesboro Stone Co., R.R. 1, Anna  
Lutz Marble Co., Box 345, Anna

## Vermilion

Material Service Corp., 300 W. Wash-  
ington St., Chicago 6

## Warren

Monmouth Stone Co., 521 S. Third St.,  
Monmouth

## Washington

Pitts Quarry, Ashley

## Whiteside

Alldritt Bros., Route 4, Morrison  
Cordova Quarry Inc., 3115 23rd Ave.,  
Moline  
Johnson Coal Co., Morrison  
Fred R. McKenzie & Co., 405 Bondi  
Bldg., Galesburg  
Rein & Dahl, 308 E. Main St.,  
Stoughton, Wis.

## Will

National Stone Co., Box 227, LaGrange  
Elmhurst-Chicago Stone Co., 400 W.  
First St., Elmhurst  
Lincoln Stone Co., Box 1124, Patterson  
& Brandon Road, Joliet  
Material Service Corp., 300 W. Wash-  
ington St., Chicago 6

## Winnebago

Christensen and Smith, Capron  
Gregory Excavating Co., Rockford  
Charles Ind Co., 1415 Point Ave.,  
Rockford  
Charles Lee & Sons, P.O. Kirkland,  
Irene  
William Nordhop, 1032 Kilburn Ave.,  
Rockford  
Porter Bros., Roscoe  
F. M. Porter & Son, 526 Blackhawk  
Blvd., South Beloit  
Rockford Blacktop Co., 1615 West-  
chester Dr., Rockford

Arthur Zimmerman & Son, Pecatonica

CLAY AND CLAY PRODUCTS  
PRODUCERS

## Alexander

Ozark Mineral Co., 807½ Washington  
Ave., Cairo (clay)

## Boone

Munson Bros. & Co., Box 8, Capron

## Brown

Frederic Brick & Tile Co., Box 146, Mt.  
Sterling

## Bureau

Sheffield Shale Products Co., Sheffield

## Cook

Brisch Brick Co., 228 N. LaSalle St.,  
Chicago 1  
Alexander Burke's Sons, 3900 S. Cicero  
Ave., Cicero 50  
Carey Brick Co., 6558 W. Fullerton  
Ave., Chicago 35  
Chicago Brick Co., 135 S. LaSalle St.,  
Chicago 3  
Chicago Fire Brick Co., 1467 N. Elston  
Ave., Chicago 22  
Chicago Pottery Co., 1920 Clybourn Ave.,  
Chicago 14  
Illinois Brick Co., 228 N. LaSalle St.,  
Chicago 1  
George Keller Pottery Co., 2618 N.  
Lakewood Ave., Chicago 14  
Plibrico Co., 1840 Kingsbury St.,  
Chicago 14  
The Ramtite Co., 2563 W. 18th St.,  
Chicago 8  
Tuthill Building Material Co., 545 E.  
103rd St., Chicago 28  
Wingert Pottery Co., 5035 W. Foster  
Ave., Chicago

## Crawford

Case Manufacturing Corp., Robinson

## Edwards

Albion Brick Co., Albion

## Fayette

Diller Shale Products Co., St. Elmo

## Greene

Ruckels Potteries Inc., White Hall  
White Hall Sewer Pipe and Drain Tile  
Co., White Hall

## Greene (Continued)

Wyatt Clay Mines, Box 256, White Hall  
(clay)

## Grundy

The Illinois Clay Products Co., 214 Barber Bldg., Joliet

## Jackson

Jackson County Brick Co., Campbell Hill

## Kane

Haeger Potteries, Inc., Dundee

## Kankakee

Eastern Illinois Clay Co., St. Anne  
Kankakee Clay Products Co., St. Anne  
St. Anne Brick & Tile Co., St. Anne

## Knox

Abingdon Potteries, Inc., 801 N. Main St., Abingdon  
Purinton Brick & Tile Co., Box 110, Galesburg

## Lake

National Brick Co., 3150 W. Touhy Ave., Chicago 45  
Pickard, Inc., Corona Ave., Antioch  
Regal China Co., Antioch

## LaSalle

The Conco-Meier Co., R.F.D. Lowell, Tonica  
Illinois Valley Minerals Corp., Box 303, Ottawa (clay)  
Laclede-Christy Co., Div. H.K. Porter Co., Inc., Ottawa  
Arthur Mart, Box 149, Streator (clay)  
Material Service Corp., 300 W. Washington St., Chicago 6  
Matthiessen & Hegeler Zinc Co., Ninth & Sterling Streets, LaSalle  
Streator Brick Co., Div. Hydraulic-Press Brick Co., Streator  
Streator Drain Tile Co., W. 10th St., Streator

## Livingston

Diller Tile Co., Chatsworth

## Logan

Stetson China Co., 999 N. Kickapoo St., Lincoln

## Madison

Alton Brick Co., Box 394, Alton  
Richards Brick Co., Edwardsville

Western Fire Brick Co., 16th St. & Madison Ave., Granite City

## Marshall

Hydraulic-Press Brick Co., 809 Lehmann Bldg., Peoria 2

## McDonough

Baird Clay Mine, Colchester (clay)  
Booz & Co., 109½ South Side Square, Box 92, Macomb (clay)  
Colchester Brick & Tile Co., Colchester  
Illinois Edison Porcelain, 510 N. Pearl St., Macomb  
Kayson's Inc., Macomb  
Macomb Pottery Co., Macomb  
Frank Nelson, Colchester (clay)  
Jack R. Purtscher, 1410 W. Aire Ave., Peoria (clay)

## McHenry

American Terra Cotta Corp., Box 225, Crystal Lake

## Menard

Springfield Clay Products Co., Box 362, Springfield

## Mercer

Hydraulic-Press Brick Co., Shale City

## Pulaski

Star Enterprises, Inc., 212 E. York, Cassopolis, Michigan (clay)

## Rock Island

Van-Packer Co., Div. Flintkote Co., Buda

## St. Clair

Hill Brick Co., Box 272, 51st & St. Clair Ave., E. St. Louis  
Hydraulic-Press Brick Co., Caseyville Twp. (705 Olive St., St. Louis 1, Mo.)

## Saline

Harrisburg Brick & Tile Co., Hillsboro

## Sangamon

Poston Brick & Concrete Products Co., 2600 E. South Grand Ave., Springfield  
Springfield Clay Products Co., Box 362, Springfield

## Scott

Alsey Brick & Tile Co., Alsey

## Tazewell

The Morton Pottery Co., 315 W. Jefferson, Morton



## Tazewell (Continued)

Peoria Brick & Tile Co., P.O. Box 515,  
Peoria

## Vermilion

General Refractories Co., Danville  
Western Brick Co., P.O. Box 591, Dan-  
ville

## Warren

Western Stoneware Co., 521 W. 6th  
Ave., Monmouth

## Will

General Refractories Co., Joliet and  
Rockdale

## SAND AND GRAVEL PRODUCERS

## Adams

Blick's Construction Co., Quincy  
Quincy Sand Co., Front & Broadway,  
Quincy

## Alexander

H. H. Halliday Sand Co., 224-6 10th  
St., Cairo

## Bond

Greenville Gravel Co., Inc., Greenville  
Cyril Munie, Pocahontas

## Boone

Christensen and Smith, Capron  
Garden Prairie Stone Co., Inc., 104 S.  
State St., Marengo  
Wayne Nolan, R.F.D., Harvard  
Vincent Spencer Sand & Gravel, 120  
Burgess St., Belvidere

## Brown

Bridgewaters & Gaskill, Versailles  
T. F. Hollembeak & Son, Mt. Sterling

## Bureau

Floyd Clapp, Walnut  
Hansen Bros., New Bedford  
Edward R. Herbolsheimer, Box 865,  
Bureau  
Swanson Bros., Box 84, Princeton  
Western Sand & Gravel Co., 111 N.  
Spalding St., Spring Valley  
Wyanet Sand & Gravel, Wyanet

## Calhoun

West Point Sand Plant, Batchtown

## Carroll

Heisler Gravel Co., Mt. Carroll

Nicol Sand Co., P.O. Box 209, Savanna  
Rein & Dahl, 308 E. Main St., Stoughton,  
Wis.

## Champaign

Gibson Bros., 407 N. Edwin St.,  
Champaign  
Mahomet Sand & Gravel Co., P.O. Box  
412, Pontiac  
W. H. Troike & G. R. Plankenhorn, Box  
327, Mahomet  
West Champaign Gravel Co., W. Spring-  
field Avenue Road, Champaign

## Clark

Barthelemy and Lawrence, R.R. 2, Box  
120A, West Union  
Stanfield Gravel Co., R.R. 2, West  
Union

## Clinton

Lindsey Gravel Pit, Keyesport

## Coles

John Boyd, Charleston  
Martin's Sand & Gravel, 527 Ninth St.,  
Charleston  
Pinnel's Gravel Pit, Ashmore

## Cook

Chicago Gravel Co., 343 South Dear-  
born St., Chicago 4  
Worth Sand & Gravel, 7545 W. 111th  
St., Worth

## Crawford

Lawrence Bowman, 140 E. Lamotte St.,  
Palestine  
William J. Wyke, P.O. Box 11, Robin-  
son

## Cumberland

A. B. C. Gravel Co., Greenup  
Casey Stone Co., Box 128, 104 W.  
Alabama, Casey

## DeKalb

Kirkland Gravel Yard, Kirkland  
Elmer Larson, Inc., P.O. Box 476, 320  
Prospect St., DeKalb  
Donald Tyrrell, R.F.D. 2, Sycamore

## DeWitt

H. M. Rickgauer, Box 66, Clinton

## DuPage

Elmhurst-Chicago Stone Co., 400 W. 1st  
St., Elmhurst  
John Purnell's Gravel Pit, Geneva Road,  
W. Chicago

## Fayette

Burtschi Sand & Gravel Co., Box 67,  
Vandalia

## Ford

W. V. Williams, P.O. Box 287, 201 W.  
8th St., Gibson City

## Fulton

Duck Island Sand & Gravel Co., 20 E.  
Elm St., Box 466, Canton  
Liverpool Materials Co., 20 E. Elm St.,  
Box 466, Canton  
Otter Creek Sand & Gravel Co., Macomb

## Gallatin

Gail Denny Sand Co., Harrisburg

## Grundy

Material Service Corp., 300 W. Wash-  
ington St., Chicago 6

## Henry

Collinson Bros., 2405 27th St., Moline  
Schadt Service Co., 623 First Ave.,  
Silvis

## Jackson

Lawder Sand Co., Grand Tower

## Jo Daviess

Dubuque Sand Co., Box 325, Dubuque,  
Iowa

## Kane

Arcole Mid-West Corp., 3225 Main St.,  
Evanston  
Beverly Gravel Co., P.O. Box 269, 1625  
Dundee Ave., Elgin  
Dundee Sand & Gravel, Carpentersville  
Arnold Erickson, Elburn  
R. R. English, Jericho Road, Aurora  
Feldes Coal and Gravel Co., Inc., North  
Aurora  
Fox Valley Gravel Co., Box 423, Route  
3, Aurora  
Krahn Gravel Co., 724 South St., Dundee  
Material Service Corp., 300 W. Wash-  
ington St., Chicago 6  
Raymond Sand & Gravel, Big Rock  
Road Materials Corp., East Dundee  
Edward Schneider, R.R. 3, Box 72, Elgin  
Sugar Grove Sand & Gravel Co., Sugar  
Grove

## Kankakee

Portage-Manley Sand Co., Rockton

## Kendall

Elmer Larson, Inc., P.O. Box 476, 320  
Prospect St., DeKalb

## Knox

L. K. Bandy Construction Co., Maquon

## Lake

Atlas Sand & Gravel Co., 1015 N. Mil-  
waukee, Libertyville  
Carl L. Barthel, Antioch  
Big Hollow Sand & Gravel Co., Inc.,  
R.F.D., Ingleside  
Consumers Co., 79 W. Monroe St.,  
Chicago 3  
Leo J. Fox, Route 2, Antioch  
Vern Thelen, Fox Lake

## LaSalle

Roy LaBolle, Somonauk  
LaSalle County Portable Inc., Bridge St.,  
Ottawa  
Moline Consumers Co., 314 15th St.,  
Moline  
Edward O. Olson, Box 625, Newark  
River Industries, Inc., P.O. Box 641,  
Seneca  
Spicer Gravel Co., 445 Union St.,  
Marseilles  
Western Sand & Gravel Co., 111 N.  
Spalding St., Spring Valley

## Lawrence

Vincennes Gravel Co., Inc., Box 427,  
Vincennes, Indiana

## Lee

Butler Sand & Gravel Co., Nelson  
C. C. Macklin, Steward  
Rock River Ready Mix, 206 Brinton Ave.,  
Dixon

## Livingston

Estep Gravel Co., 604 E. Oak St., Fair-  
bury  
Valley View Dirt & Gravel Co., R.F.D. 1,  
Manville

## Logan

Lincoln Sand & Gravel Co., Arcade  
Annex, P.O. Box 67, Lincoln

## Macon

Decatur Sand & Gravel Co., 700 S. Tay-  
lor Ave., Decatur  
Kirk's Gravel Pit, Route 6, Decatur  
Macon County Sand & Gravel Co., R.R. 8,  
Decatur

## Macon (Continued)

H. M. Richgauer, P.O. Box 66, Clinton

## Madison

Alton Sand Co., Foot of Henry St., Alton  
 Gary Dredging Co., 958 Union St., Alton  
 Guth Sand Co., Granite City  
 Mississippi Lime Co., 7 Alby St., Box  
 247, Alton

## Marshall

Consumers Co. of Illinois, 79 W. Mon-  
 roe St., Chicago 3  
 Vernon Henry, LaRose

## Mason

Spring Lake Sand & Gravel, Manito

## McHenry

Cary Sand & Gravel Corp., 415 S.  
 Homan, Chicago  
 Consumers Co. of Illinois, 79 W. Mon-  
 roe St., Chicago 3  
 Crystal Lake Trucking & Excavating Co.,  
 Route 14, P.O. Box 184, Crystal Lake  
 Garden Prairie Stone Co., Inc., 104 S.  
 State St., Marengo  
 Floyd Greibel, Marengo  
 Material Service Corp., 300 W. Wash-  
 ington, Chicago 6  
 McHenry Sand & Gravel Co., Inc., 606  
 Front St., McHenry  
 Wayne Nolan, R.F.D., Harvard  
 Tonyan Bros., Inc., R.R. 1, Box 790,  
 McHenry

## McLean

John Howes, R.F.D. 1, Bloomington  
 McDowell & Heidelberg, Box 49, Downs  
 McGrath Sand & Gravel Co., Inc.,  
 Lincoln  
 Rowe Construction Co., 1523 W. Mar-  
 ket St., Bloomington

## Ogle

Byron Sand & Stone Co., Byron  
 Kutz Bros. Co., Forreston  
 McGrath Sand & Gravel Co., Inc.,  
 Lincoln  
 Rockford Blacktop Construction Co.,  
 1615 Westchester Dr., Rockford  
 Shilling's Gravel Pit, R.R. 2, Milledge-  
 ville  
 Valley Ready Mix, Inc., Oregon  
 Floyd Weigle, Shannon

## Peoria

Chillicothe Gravel Co., 1438 N. Fourth  
 St., Chillicothe  
 Construction Materials Co., 100 Cass  
 St., Peoria  
 McGrath Sand & Gravel Co., Inc.,  
 Lincoln  
 Stevers Inc., 2423 W. Farmington Road,  
 Peoria 5  
 Swords and Chipman, Inc., 107 S. Jef-  
 ferson, Peoria

## Pike

O. A. Booth & Sons, Nebo  
 Victor H. Callender, 127 N. Clinton St.,  
 Pittsfield  
 Missouri Gravel Co., 314 15th St.,  
 Moline

## Randolph

Southern Illinois Sand Co., Inc., Chester

## Rock Island

Blackhawk Aggregates, Inc., Box 946,  
 230 Fourth St., West, Milan  
 Builders Sand & Gravel Co., 104 Western  
 Ave., Davenport, Iowa  
 Kouski and Stout, Coal Valley  
 Moline Consumers Co., 314 15th St.,  
 Moline  
 Oberlaender Sand Co., 519½ 15th St.,  
 Moline  
 Schadt Service Co., Silvis

## St. Clair

Missouri-Illinois Material Co., 2100  
 N. Wharf, St. Louis 6, Missouri

## Sangamon

Buckhart Sand & Gravel Co., Inc., R.R.,  
 Mechanicsburg  
 Clear Lake Sand & Gravel Co., Box 378,  
 Springfield  
 Springfield Sand & Gravel Co., 426 S.  
 5th St., Springfield

## Schuyler

Lyle B. Moushon, Carrollton

## Scott

Homer E. Grady, Exeter

## Shelby

Henry Cummings, Sullivan  
 Hanfland Sand & Gravel Co., Shelby-  
 ville

- Stark  
Princeville Stone Co., Princeville
- Stephenson  
Rockford Blacktop Construction Co.,  
1615 Westchester Dr., Rockford  
Stitch Sand & Gravel, Lena
- Tazewell  
Hoffer Construction Co., End of Kenwood  
St., Box 2006, E. Peoria 8  
McGrath Sand & Gravel Co., Inc.,  
Lincoln  
C. A. Powley, R.R. 2, Washington  
Spring Lake Sand & Gravel Co., R.R. 2,  
Manito
- Union  
Bittle & Emrick, Anna
- Vermilion  
Blakeney Gravel Pit, Route 4, Danville  
Lawrence Clifton, Route 1, Westville  
Lewis & Co., Box 38, Perrysville Road,  
Danville  
Elton A. Wagner Co., 505 N. Gilbert St.,  
Danville
- Wabash  
Allendale Gravel Co., R.R. 1, Allendale  
Dunbar Sand & Gravel Co., Box 97,  
Bellmont  
Mt. Carmel Sand & Gravel Co., Box 209,  
Mt. Carmel
- White  
Eastwood Sand & Gravel Works, Gray-  
ville  
Frashier Bros., Maunie  
Miller Sand & Gravel Co., Carmi
- Whiteside  
Anderson Ready Mix, 903 Ave. "D",  
Rock Falls  
Johnson Coal Co., Morrison  
Ernest Johnson, Box 67, Lyndon  
Max Lawrence, R.F.D., Prophetstown  
Midwest Sand & Gravel Co., Box 302,  
Sterling  
Vernon Schrader Gravel, R.R. 2, Sterling  
Selander & Jones, 404 East St.,  
Prophetstown  
William L. Taber, 513 Market St.,  
Prophetstown
- Will  
Chicago Gravel Co., 343 S. Dearborn  
St., Chicago 4
- Elmhurst-Chicago Stone Co., 400 W.  
First St., Elmhurst  
Material Service Corp., 300 W. Wash-  
ington St., Chicago 6  
C. H. Monk, 211 Hunter St., Joliet
- Winnebago  
Anderson Sand & Gravel Co., 519 E.  
State St., Rockford  
Consumers Co., 79 W. Monroe St.,  
Chicago 3  
Illinois-Wisconsin Sand & Gravel Co.,  
288 N. LaSalle St., Chicago 1  
Kelley Sand & Gravel, Roscoe  
Larson Bros. Sand & Gravel, 1822 S.  
5th St., Rockford  
Northwest Gravel Co., 2340 Main St.,  
Evanston  
Sahlstrom & Sons Bldg. Producers, 217  
Peoples Ave., Rockford  
South Beloit Sand Co., 288 N. LaSalle  
St., Chicago 1
- Woodford  
Wood-Mar Construction Co., 611 State  
St., Eureka

## SILICA SAND PRODUCERS

- Kendall  
Continental Silica Co., Somonauk
- LaSalle  
The American Silica Sand Co., Inc.,  
402 Central Life Bldg., Ottawa  
Arrowhead Corp., Troy Grove  
E. C. Bellrose Sand Co., Inc., 1220  
W. Madison St., Ottawa  
Illinois Silica Sand Co., Box 36, Ottawa  
Illinois Valley Minerals Co., Box 303,  
Ottawa  
LaSalle Silica Co., Box 437, Ottawa  
Ottawa Silica Co., Box 437, Ottawa  
George M. Pendergast & Co., 226 S.  
First St., Milwaukee, Wis.  
Standard Silica Co., Box 407, Ottawa  
Wedron Silica Co., 135 S. LaSalle St.,  
Chicago 3
- Ogle  
Portage-Manley Sand Co., Rockton

## LIME PRODUCERS

## Adams

Marblehead Lime Co., Marblehead (300 W. Washington St., Chicago 6)  
Menke Stone & Lime Co., 828 Vermont St., Quincy

## Cook

Marblehead Lime Co., South Chicago and Thornton (300 W. Washington St., Chicago 6)  
The Standard Lime & Cement Co., La-Grange (2000 1st National Bank Bldg., Baltimore 3, Md.)

## PORTLAND AND MASONRY CEMENT PRODUCERS

## LaSalle

Alpha Portland Cement Co., LaSalle (15 S. Third St., Easton, Pa.)  
Lehigh Portland Cement Co., Oglesby (Young Bldg., 718 Hamilton St., Allentown, Pa.)  
Marquette Cement Mfg. Co., Oglesby (20 N. Wacker Dr., Chicago 6)

## Lee

Medusa Portland Cement Co., Dixon (P.O. Box 5668, Cleveland, Ohio)

## NATURAL BONDED MOLDING SAND PRODUCERS

## Bureau

Wyanet Sand & Gravel, Wyanet

## Carroll

Nicol Sand Co., Box 209, Savanna

## Fayette

Charles D. Lutz & Sons, Mulberry Grove

## Kankakee

Portage-Manley Sand Co., Essex

## Rock Island

Oberlaender Sand Co., 519½ 15th St., Moline

## TRIPOLI AND GANISTER PRODUCERS

## Alexander

Ozark Minerals Co., 807½ Washington Ave., Cairo (tripoli)

Tamms Industries, Inc., 228 N. LaSalle St., Chicago 1 (tripoli)  
Western Fire Brick Co., 16th & Madison, Granite City (ganister)

FLUORSPAR PRODUCERS OR SHIPPERS<sup>a</sup>

## Hardin

Aluminum Company of America, Rosiclare  
Omar Austin, Rosiclare  
Frazer and Hettiger, Rosiclare  
Minerva Oil Co., Cave in Rock  
Ozark-Mahoning Co., Rosiclare  
Rosiclare Lead & Fluorspar Mining Co., Rosiclare  
Southern Illinois Mining Co., Rosiclare  
Conn and Joiner, Elizabethtown  
Goose Creek Fluorspar Mining Co., Cave in Rock  
Hoeb Mining Co., Cave in Rock  
Ridge Mining Co., Karbers Ridge  
Tamora Mining Co., Elizabethtown

## Pope

Egyptian Mining Co., Rosiclare  
J. W. Patton & Sons, Elizabethtown  
Redd Mining Co., Golconda

## METAL PRODUCERS

## Jo Daviess

Eagle-Pitcher Co., Mining and Smelting Div., Box 1040, Galena  
Hickory Hill Mining Co., Galena  
Tri-State Zinc, Inc., Galena

<sup>a</sup>Producers or shippers of 500 tons or more, 1958

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ILLINOIS STATE GEOLOGICAL SURVEY

URBANA