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ILLINOIS STATE GEOLOGICAL SURVEY

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ILLINOIS MINERAL PRODUCTION BY COUNTIES, 1970

W. L. Busch

ABSTRACT

This report gives a brief accounting of the value of mineral products produced in all Illinois counties during 1970. The state-wide value of minerals produced in 1970 was 716.3 million dollars, a record high annual total. One hundred counties out of the 102 counties in Illinois reported some mineral production for the year. Under each county are listed all of the mineral products produced, in order of importance, and the total value of these products. Other mineral production summaries, giving state and regional information, are also included in this report.



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ILLINOIS MINERAL PRODUCTION

BY COUNTIES, 1970

W. L. Busch

The value of minerals produced in Illinois in 1970 set a record annual high of 716.3 million dollars. This was 23.4 million dollars more than the previous all-time high of 692.9 million dollars set in 1969. During both 1969 and 1970, the same 100 counties, out of Illinois' 102 counties, achieved these production records.

In 1970, 24 Illinois counties produced a total of 64.9 million tons of coal, valued at 319.2 million dollars. The value of this coal accounted for 44.6 percent of the value of all minerals produced in the state for the year. Forty-two counties produced 43.7 million barrels of crude oil, valued at 142.2 million dollars, during 1970. The value of this crude oil was 19.9 percent of the state's total mineral value. The combined value of these fuels amounted to 64.5 percent of the value of all minerals for the year.

Crushed stone, cement, and lime, produced in various Illinois counties, as a group supplied 17.5 percent of the state's total mineral products value in 1970. Table 2 indicates that 59 counties produced crushed stone, 3 counties produced cement, and 2 counties produced lime.

The value of clay products produced in Illinois, totaling 53.9 million dollars in 1970, represented 7.5 percent of the state mineral products value for the year. Illinois clay products include face brick and common brick, drain and sewer tile, refractories, lightweight aggregate, pottery and white-ware. In 1970, 34 clay products plants located in 22 counties throughout Illinois reported production.

Illinois producers of common sand and gravel reported the production of 39.1 million tons of these materials with a value of 43.1 million dollars. A total of 4.3 million tons of silica sand, valued at 16.7 million dollars, also was produced during 1970. Common sand was produced in 66 counties, gravel was produced in 62 counties, and 2 counties produced silica sand in 1970 (table

2). Sand and gravel production in Illinois in 1970, including some special sands, furnished 8.5 percent of the state's mineral products value for the year.

Fluorspar, lead, and zinc, as a group, accounted for 2.0 percent of the state's total mineral value in 1970. Two counties produced fluorspar and three counties produced lead and zinc.

SUMMARIES OF TABLES

Table 1—Value of Illinois Mineral Production by Counties, Grouped According to Total Values, 1970

The 102 Illinois counties listed in table 1 are classified according to the approximate total value of all mineral products produced by each county during 1970. Under each of the 11 value groups, the counties are arranged alphabetically for ease in finding a particular county. This table was designed to give a value rank to all counties in the state, especially to those counties whose mineral products value for 1970 may not be apparent in other tables in this report.

Table 2—Illinois Mineral Products and Major Producing Counties, 1970

Table 2 lists the mineral commodities and the number of counties that produce each item. Counties supplying the various mineral materials are listed in order of rank to include, when possible, the top 10 producers in 1970. Stone was produced by 59 counties, common sand was produced by 66 counties, and gravel was produced by 62 counties during the year. Forty-two counties recovered crude oil, coal was mined in 24 counties, and clay products were produced by 22 counties. All other listed commodities came from one, two, or three counties.

Table 3—Summary of Illinois Mineral Production, 1969-1970

Illinois mineral production for the years 1969 and 1970 is summarized in table 3. Listed are the mineral commodities, the production reported by commercial operators, and the state total annual value for each product. The annual values of some mineral products were combined under the heading "Other materials" to conceal individual production figures.

Table 4—Value of Illinois Regional Mineral Production, 1963-1970

In table 4 the counties of Illinois have been grouped into nine regions, as outlined on the map at the end of this report, to show the rise or decline of mineral production in broad areas of the state. Table 4 indicates the total value of all minerals produced in each region for the years 1963 through 1970. These regional annual production figures show that certain

areas have recorded steady growth over the years, other areas have maintained a more or less constant level, and some areas trend toward declining mineral production.

Table 5—Illinois Counties Ranked According to Total Value of Minerals Produced in 1970

The relative position held by each county of Illinois in dollar value of minerals produced during 1970 is shown in table 5. Although each county holds a specific rank in the state, the position of some counties is not given to avoid disclosing individual production information. Therefore, such counties have been combined with one or two other counties of the same region. The combined total mineral production value for these counties has been listed among the individual counties in table 5. All counties in the state are accounted for in this table.

Tables 6-14—Illinois Mineral Production by County, According to Region, 1970

The dollar value of each county's contribution to the state's total mineral production value for 1970 is shown in tables 6 through 14. The tables, which group the counties within regions, list the various mineral products produced in each county in order of importance. The regional and county outlines are shown on the map at the end of this report. In order to conceal confidential production information, some county values within regions have been combined.

TABLE 1—VALUE, IN MILLIONS OF DOLLARS, OF ILLINOIS MINERAL PRODUCTION
 BY COUNTIES, GROUPED ACCORDING TO TOTAL VALUES, 1970
 (Counties listed alphabetically within each group)

\$40.0 - \$50.0	\$30.0 - \$40.0	\$20.0 - \$30.0	\$15.0 - \$20.0	\$10.0 - \$15.0	\$ 5.0 - \$10.0
Cook Franklin Perry	Fulton Jefferson La Salle St. Clair	Montgomery Randolph White Williamson	Fayette Gallatin Lawrence Peoria Wayne Will	Christian Crawford Hardin Kane Knox Lee Marion Saline Sangamon	Clay Douglas Du Page Grundy Hamilton McDonough McHenry Massac Richland Wabash
\$ 2.5 - \$ 5.0	\$ 1.5 - \$ 2.5	\$ 1.0 - \$ 1.5	\$ 0.5 - \$ 1.0	\$ 0.0 - \$ 0.5	
Adams Clark Clinton Jasper Jo Daviess Kankakee Livingston Madison Ogle Stark Vermillion Washington Warren	Coles Edwards Johnson Lake Macoupin Rock Island Tazewell Union Winnebago	De Witt Effingham Jackson McLean Menard Pike Pulaski	Alexander Bond Boone Bureau Champaign Cumberland De Kalb Greene Hancock Kendall Logan Macon Monroe Pope Scott Stephenson Whiteside Woodford	Brown Calhoun Carroll Cass Edgar Ford Henderson Henry Iroquois Jersey Marshall Mason Mercer Morgan Moultrie Piatt Putnam Schuyler Shelby	

TABLE 2—ILLINOIS MINERAL PRODUCTS AND MAJOR PRODUCING COUNTIES, 1970

Mineral product	Total number of producing counties	Producing counties in order of rank*
Cement	3	La Salle, Lee, Massac
Clay products	22	Cook, La Salle, McDonough, Knox, Crawford, Kane, Du Page, Grundy, Warren, Will
Coal	24	Perry, Franklin, Jefferson, St. Clair, Fulton, Williamson, Montgomery, Randolph, Gallatin, Peoria
Crude oil	42	White, Lawrence, Wayne, Fayette, Marion, Clay, Crawford, Wabash, Richland, Hamilton
Fluorspar	2	Hardin, Pope
Lead	3	Hardin, Jo Daviess, Pope
Lime	2	Cook, Adams
Natural bonded molding sand	3	Henry, Rock Island, Fayette
Common sand	66	McHenry, Grundy, Will, Kane, Rock Island, Winnebago, Lake, Sangamon, Madison, Tazewell
Common gravel	62	Kane, McHenry, Will, Du Page, Bureau, Lake, McLean, Cook, Tazewell, Peoria
Sandstone	1	Alexander
Silica sand	2	La Salle, Ogle
Stone	59	Cook, Will, St. Clair, Livingston, Kankakee, Hardin, Randolph, Vermilion, Johnson, Rock Island
Tripoli	1	Alexander
Zinc	3	Hardin, Jo Daviess, Pope

* For commodities produced by many counties, only the first 10 counties are listed.

TABLE 3—SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1969-1970

Material	Unit	1969		1970	
		Quantity	Value at plants	Quantity	Value at plants
Coal - bituminous	tons	64,832,584	\$280,076,763	64,884,103	\$319,229,787
Crude oil	bbls	50,724,000	161,302,320	43,747,000	142,177,750
Crushed stone	tons	51,681,297	78,428,150	52,738,643	83,153,858
Cement	bbls	9,323,180	32,133,405	8,453,704	27,126,311
Clay products	--	---	58,466,631	---	53,934,711
Common sand	tons	17,593,298	17,275,700	17,750,187	18,349,982
Common gravel	tons	21,267,490	23,054,205	21,378,490	24,731,904
Silica sand	tons	4,394,950	15,770,919	4,365,968	16,769,037
Fluorspar	tons	88,480	4,676,065	148,208	8,637,000
Zinc	tons	13,765	4,019,400	16,797	5,146,200
Lead	tons	791	235,700	1,532	478,600
Other materials	--	---	17,460,742	---	16,564,860
TOTAL			\$692,900,000		\$716,300,000

TABLE 4—VALUE OF ILLINOIS REGIONAL MINERAL PRODUCTION, 1963-1970

Region	Value at plants			
	1963	1964	1965	1966
Northwest	\$ 24,790,496	\$ 23,764,752	\$ 20,816,139	\$ 21,457,316
Northeast	99,880,180	105,642,713	108,912,440	109,495,206
West	46,840,320	52,801,695	54,102,781	55,889,208
Central	22,011,242	16,273,648	17,541,957	18,131,790
East	13,150,956	12,935,550	12,502,670	13,287,698
West-southwest	44,332,911	44,264,466	44,439,585	48,628,029
East-southeast	135,043,156	128,222,889	117,761,494	113,717,932
Southwest	90,616,067	94,869,344	105,691,548	118,043,155
Southeast	138,334,672	139,224,943	136,731,386	145,349,666
TOTAL	\$615,000,000	\$618,000,000	\$618,500,000	\$644,000,000

Region	Value at plants			
	1967	1968	1969	1970
Northwest	\$ 24,101,568	\$ 26,915,759	\$ 24,322,204	\$ 23,594,225
Northeast	111,689,340	127,914,135	132,500,031	131,019,642
West	53,950,971	56,844,431	56,043,195	59,773,390
Central	17,152,078	19,283,910	25,031,506	26,603,265
East	12,697,460	12,356,067	14,456,240	14,463,024
West-southwest	49,452,000	48,200,541	51,429,714	52,370,512
East-southeast	100,464,801	98,390,101	95,862,360	87,479,493
Southwest	124,829,821	122,370,732	122,335,473	137,386,069
Southeast	155,661,961	158,324,324	170,919,277	183,610,380
TOTAL	\$650,000,000	\$670,600,000	\$692,900,000	\$716,300,000

TABLE 5—ILLINOIS COUNTIES RANKED ACCORDING TO TOTAL VALUE OF MINERALS PRODUCED IN 1970*

Rank†	County‡	Total value	Rank†	County‡	Total value
1.	Cook	\$46,364,138	24.	Sangamon	\$11,583,042
2.	Franklin	44,069,247	25.	Crawford	11,565,053
3.	Perry	41,337,135	26.	Lee	10,124,803
4.	St. Clair	35,904,369		Wabash } Edwards }	8,342,530
5.	Jefferson	35,387,901			
6.	La Salle	33,944,902			
7.	Fulton	30,585,365			
	Gallatin } Massac }	25,573,813	28.	McDonough	7,783,522
			30.	McHenry	6,653,645
			31.	Du Page	6,628,369
8.	Williamson	25,112,890		Grundy } Kendall }	6,050,432
9.	Randolph	21,059,077			
10.	White	20,973,500			
	Marion } Clay } Effingham }	20,819,565	33.	Douglas	5,772,097
			34.	Richland	5,587,000
			36.	Hamilton	5,336,750
			37.	Livingston	4,860,624
11.	Montgomery	20,186,868		Johnson } Union }	4,762,169
12.	Lawrence	17,316,796		Jackson }	
14.	Fayette	16,465,230			
15.	Wayne	15,828,250		Stark } Woodford }	4,699,975
16.	Peoria	15,433,444		Marshall }	
17.	Will	15,412,413			
18.	Knox	14,406,710			
19.	Saline	13,716,773	38.	Vermilion	4,672,641
20.	Hardin	13,682,994			
21.	Kane	12,291,559		Washington } Monroe }	4,348,571
	Christian } Morgan }	11,637,782	39.	Madison	4,245,278

* Table based on information recorded on following pages of this report.

† The rank of each individual county is based on numbered rank of all counties from 1 through 102. The individual rank of combined counties cannot be given.

‡ The total of combined counties is placed in order among totals of single counties.

TABLE 5 - Continued*

Rank†	County†	Total value	Rank†	County†	Total value
40.	Kankakee	\$ 3,813,271		Henry	\$ 816,285
43.	Jasper	3,446,500		Mercer	
	Warren } Schuyler }	3,042,802		Putnam }	
			68.	De Kalb	809,777
45.	Jo Daviess	2,876,552	71.	Champaign	748,596
46.	Ogle	2,819,209	72.	Scott	736,521
47.	Clinton	2,699,131	73.	Stephenson	729,548
48.	Adams	2,580,045	74.	Pope	698,622
49.	Clark	2,551,240	76.	Hancock	687,252
			77.	Logan	660,294
50.	Coles	2,456,570	78.	Boone	619,714
51.	Rock Island	2,445,406	80.	Whiteside	571,477
53.	Lake	2,244,693	81.	Greene	569,449
	Menard } De Witt } Mason }	2,158,660	82.	Macon	563,852
			83.	Bond	529,540
			84.	Carroll	486,932
			86.	Henderson	457,674
54.	Winnebago	1,905,463		Iroquois }	367,892
55.	Tazewell	1,831,060		Ford }	
	Macoupin } Calhoun }	1,642,936	91.	Edgar	308,750
			92.	Brown	230,020
61.	McLean	1,255,980	93.	Jersey	198,885
62.	Pulaski	1,214,091	101.	Cass	---
	Cumberland } Shelby } Moultrie }	1,190,692	102.	Piatt }	---
64.	Pike	1,040,211			
66.	Alexander	948,636			
67.	Bureau	818,550			

* Table based on information recorded on following pages of this report.

† The rank of each individual county is based on numbered rank of all counties from 1 through 102. The individual rank of combined counties cannot be given.

‡ The total of combined counties is placed in order among totals of single counties.

§ No commercial mineral production reported for 1970.

TABLE 6—ILLINOIS MINERAL PRODUCTION BY COUNTY, NORTHWEST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Bureau	\$ 818,550	Gravel, sand
Carroll	486,932	Stone, gravel, sand
Henry } Mercer } Putnam }	816,285	Stone, natural bonded molding sand, sand Coal, stone Gravel
Jo Daviess	2,876,552	Zinc, stone, lead, sand, gravel
Lee	10,124,803	Cement, stone, gravel, sand
Ogle	2,819,209	Silica sand, stone, sand, gravel
Rock Island	2,445,406	Stone, sand, gravel, natural bonded molding sand
Stephenson	729,548	Stone, gravel, sand
Whiteside	571,477	Stone, sand, gravel
Winnebago	1,905,463	Stone, sand, gravel
TOTAL	\$23,594,225	

TABLE 7—ILLINOIS MINERAL PRODUCTION BY COUNTY, NORTHEAST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Boone	\$ 619,714	Stone, gravel, sand
Cook	46,364,138	Stone, lime, clay products, gravel, sand
De Kalb	809,777	Stone, gravel, sand
Du Page	6,628,369	Clay products, stone, gravel, sand
Grundy } Kendall }	6,050,432	Clay products, sand, coal, gravel Stone, gravel
Kane	12,291,559	Clay products, gravel, stone, sand
Lake	2,244,693	Clay products, gravel, sand
La Salle	33,944,902	Silica sand, cement, clay products, gravel, sand, stone
McHenry	6,653,645	Gravel, sand, stone
Will	15,412,413	Stone, coal, gravel, clay products, sand
TOTAL	\$131,019,642	

TABLE 8—ILLINOIS MINERAL PRODUCTION BY COUNTY, WEST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Adams	\$ 2,580,045	Stone, lime, sand, crude oil, gravel
Brown	230,020	Clay products, stone, sand, crude oil, gravel
Fulton	30,585,365	Coal, gravel, sand
Hancock	687,252	Stone
Henderson	457,674	Stone
Knox	14,406,710	Coal, clay products, stone
McDonough	7,783,522	Clay products, stone, crude oil
Warren } Schuyler }	3,042,802	Clay products, stone Gravel, stone, sand
TOTAL	\$59,773,390	

TABLE 9—ILLINOIS MINERAL PRODUCTION BY COUNTY, CENTRAL REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Logan	\$ 660,294	Stone, gravel, sand
McLean	1,255,980	Gravel, sand
Macon	563,852	Sand, gravel, crude oil
Menard } De Witt } Mason }	2,158,660	Stone Crude oil, gravel, sand Sand, gravel
Peoria	15,433,444	Coal, stone, gravel, sand
Stark } Woodford } Marshall }	4,699,975	Coal, gravel, sand Gravel, sand Gravel, sand
Tazewell	1,831,060	Gravel, sand
TOTAL	\$26,603,265	

TABLE 10—ILLINOIS MINERAL PRODUCTION BY COUNTY, EAST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Champaign	\$ 748,596	Sand, gravel, crude oil
Ford } Iroquois }	367,892	Sand, gravel Sand, gravel
Kankakee	3,813,271	Stone, clay products, gravel, sand
Livingston	4,860,624	Stone, clay products, gravel, sand
Piatt	---	No mineral production reported for 1970
Vermilion	4,672,641	Stone, coal, clay products, gravel, sand
TOTAL	\$14,463,024	

TABLE 11—ILLINOIS MINERAL PRODUCTION BY COUNTY,
WEST-SOUTHWEST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Bond	\$ 529,540	Crude oil, sand, gravel
Cass	---	No mineral production reported for 1970
Christian } Morgan }	11,637,782	Coal, crude oil, stone Sand
Greene	569,449	Stone, clay products
Jersey	198,885	Stone
Macoupin } Calhoun }	1,642,936	Coal, stone, crude oil Stone
Madison	4,245,278	Stone, clay products, sand, crude oil
Montgomery	20,186,868	Coal, stone, crude oil
Pike	1,040,211	Stone, gravel, sand
Sangamon	11,583,042	Coal, sand, crude oil, gravel, clay products
Scott	736,521	Clay products, stone, sand, gravel
TOTAL	\$52,370,512	

TABLE 12—ILLINOIS MINERAL PRODUCTION BY COUNTY,
EAST-SOUTHEAST REGION, 1970

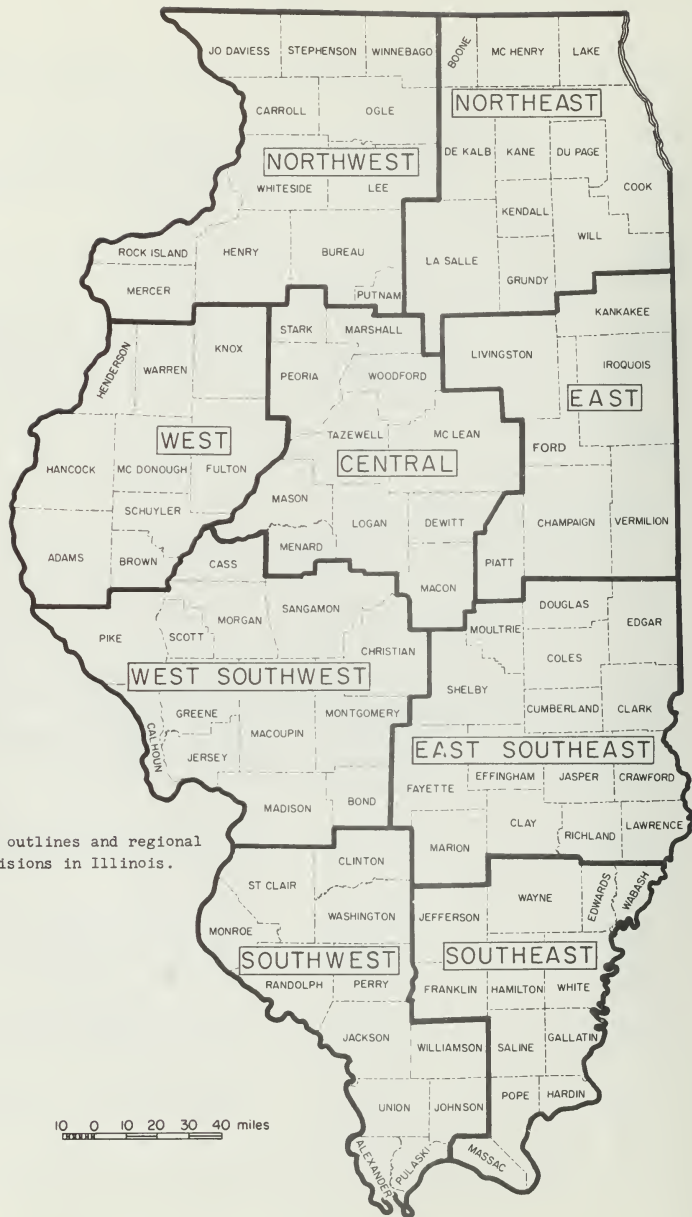
County	Total value all minerals	Minerals produced, in order of value
Clark	\$ 2,551,240	Stone, crude oil, gravel, sand
Coles	2,456,570	Crude oil, stone, sand, gravel
Crawford	11,565,053	Crude oil, clay products, gravel, sand, gas
Cumberland	1,190,692	Crude oil, sand, gravel
Shelby		Crude oil, stone, sand, gravel
Moultrie		Gravel, crude oil
Douglas	5,772,097	Coal, crude oil
Edgar	308,750	Crude oil
Fayette	16,465,230	Crude oil, stone, clay products, gravel, sand, natural bonded molding sand, gas
Jasper	3,446,500	Crude oil, gas
Lawrence	17,316,796	Crude oil, gravel, sand, gas
Marion	20,819,565	Crude oil, stone, gas
Clay		Crude oil, stone, gas
Effingham		Crude oil, sand
Richland	5,587,000	Crude oil, gas
TOTAL	\$87,479,493	

TABLE 13—ILLINOIS MINERAL PRODUCTION BY COUNTY, SOUTHWEST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Alexander	\$ 948,636	Tripoli, sand, gravel, sandstone
Clinton	2,699,131	Crude oil, stone, sand, gas, gravel
Johnson } Union } Jackson }	4,762,169	Stone, coal Stone, gravel, sand Coal, stone, sand
Perry	41,337,135	Coal, crude oil
Pulaski	1,214,091	Clay products, stone, sand, gravel
Randolph	21,059,077	Coal, stone, crude oil, sand
St. Clair	35,904,369	Coal, stone, crude oil, sand, clay products
Washington } Monroe }	4,348,571	Crude oil, stone, gas Stone
Williamson	25,112,890	Coal, crude oil
TOTAL	\$137,386,069	

TABLE 14—ILLINOIS MINERAL PRODUCTION BY COUNTY, SOUTHEAST REGION, 1970

County	Total value all minerals	Minerals produced, in order of value
Franklin	\$44,069,247	Coal, crude oil, gas
Gallatin } Massac }	25,573,813	Coal, crude oil, sand, gravel, gas Cement, stone, sand, gravel
Hamilton	5,336,750	Crude oil, gas
Hardin	13,682,994	Fluorspar, zinc, stone, lead
Jefferson	35,387,901	Coal, crude oil, gas
Pope	698,622	Fluorspar, zinc, coal, lead
Saline	13,716,773	Coal, crude oil, gas
Wabash } Edwards }	8,342,530	Crude oil, gravel, sand, gas Crude oil, gravel, gas, sand
Wayne	15,828,250	Crude oil, gas
White	20,973,500	Crude oil, gravel, sand, gas
TOTAL	\$183,610,380	



County outlines and regional divisions in Illinois.

10 0 10 20 30 40 miles

SELECTED LIST OF SURVEY PUBLICATIONS

MINERAL ECONOMICS BRIEFS SERIES

1. Directory of Illinois Limestone and Dolomite Producers. 1961.
5. Summary of Illinois Mineral Production in 1961. 1962.
11. Shipments of Illinois Crushed Stone, 1954-1964. 1966.
12. Mineral Resources and Mineral Industries of the East St. Louis Region, Illinois. 1966.
13. Mineral Resources and Mineral Industries of the Extreme Southern Illinois Region. 1966.
14. Mineral Resources and Mineral Industries of the Southeastern Illinois Region. 1966.
17. Mineral Resources and Mineral Industries of the Springfield Region, Illinois. 1967.
19. Mineral Resources and Mineral Industries of the Western Illinois Region. 1967.
20. Mineral Resources and Mineral Industries of the Northwestern Illinois Region. 1967.
21. Illinois Mineral Production by Counties, 1966. 1968.
22. Mineral Resources and Mineral Industries of the Northeastern Illinois Region. 1968.
26. Evaluation of Fuels—Long-Term Factors and Considerations. 1969.
27. Illinois Mineral Production by Counties, 1968. 1970.
28. Illinois Mineral Production by Counties, 1969. 1971.
29. Directory of Illinois Mineral Producers. 1971.

INDUSTRIAL MINERALS NOTES SERIES

13. Summary of Illinois Mineral Industry, 1951-1959. 1961.
17. Pelletizing Illinois Fluorspar. 1963.
19. Binding Materials Used in Making Pellets and Briquets. 1964.
20. Chemical Composition of Some Deep Limestones and Dolomites in Livingston County, Illinois. 1964.
21. Illinois Natural Resources—An Industrial Development Asset. 1964.
23. Limestone Resources of Jefferson and Marion Counties, Illinois. 1965.
24. Thermal Expansion of Certain Illinois Limestones. 1966.
26. Binders for Fluorspar Pellets. 1966.
27. High-Purity Limestones in Illinois. 1966.
29. Clay and Shale Resources of Clark, Crawford, Cumberland, Edgar, Effingham, Jasper, and Vermilion Counties. 1967.
30. Lightweight Bricks Made with Clay and Expanded Plastic. 1967.
31. Clays as Binding Materials. 1967.
32. Silica Sand Briquets and Pellets as a Replacement for Quartzite. 1968.
34. Neutron Activation Analysis at the Illinois State Geological Survey. 1968.
35. Computer-Calculated Lambert Conformal Conic Projection Tables for Illinois (7.5-Minute Intersections). 1968.
36. Beneficiation of Kaolinite Clay from Silica Sand Washings. 1968.
37. Peat and Humus in Illinois. 1969.
38. Kankakee Dune Sands as a Commercial Source of Feldspar. 1969.
39. Alumina Content of Carbonate Rocks as an Index to Sodium Sulfate Soundness. 1969.
40. Colloidal-Size Silica Produced from Southern Illinois Tripoli. 1970.
41. Two-Dimensional Shape of Sand Made by Crushing Illinois Limestones of Different Textures. 1970.
42. An Investigation of Sands on the Uplands Adjacent to the Sangamon River Floodplain: Possibilities as a "Blend Sand" Resource. 1970.
43. Lower Mississippi River Terrace Sands as a Commercial Source of Feldspar. 1970.
44. Analyses of Some Illinois Rocks for Gold. 1970.
45. Clay and Shale Resources of Madison, Monroe, and St. Clair Counties, Illinois. 1971.
46. Sideritic Concretions in Illinois Shale, Gravel, and Till. 1972.
47. Selected and Annotated List of Industrial Minerals Publications of the Illinois State Geological Survey. 1972.

(Succeeding numbers will be in the Illinois Minerals Notes Series)

