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SUMMARY OF ILLINOIS MINERAL INDUSTRY, 1951-1959

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Over the last 30 years the annual value of the Illinois mineral industry has grown from less than 150 million dollars to more than 600 million dollars, remaining close to the higher figure for the four years 1956 through 1959. A detailed economic report has been published separately for each year, but the attached summary (table 2) covers a nine-year period. The data include quantities of commodities produced as well as their value at the plants.

Of all the minerals produced in Illinois, the most important for manufacturing, transportation, and the production of food are the basic fuels - coal and oil. In 1959 these minerals accounted for more than two-thirds of the total value of all minerals produced in this state. Illinois ranked as the fourth largest producer of bituminous coal and the eighth largest producer of crude oil among all states during 1959.

Abundant sources of industrial minerals such as common sand and gravel, stone, cement- and lime-making materials furnish basic supplies for the construction industries and contributed more than one-sixth of the total value of the 1959 Illinois mineral production.

Among other important minerals produced in Illinois are refractory clays and clays for manufacturing such items as bricks, tile, and pottery products. Special sands include silica sand and natural bonded molding sand. Illinois is an outstanding producer of silica sand, which is used for making glass, molding sand, blast sand, engine sand, and oil-well fracturing sand. Natural bonded molding sand is a natural product that can be used practically as mined for making metal casting molds. Fluorspar, a mineral important in the chemical, steel, ceramics, and aluminum industries, is produced in Illinois - the nation's leading supplier of this material. Also produced in Illinois are the metals zinc and lead. According to 1959 figures, the total value of clay products, special sands, fluorspar, and the metals amounted to somewhat less than one-sixth of the state's mineral production for that year.

The following pages show in tabulated form the Illinois mineral production for the years 1951-1959. Table 1 shows the total value of minerals produced in Illinois each year, 1930 through 1959.

TABLE 1 - VALUE OF ILLINOIS MINERAL PRODUCTION, 1930-1959^a
(THOUSANDS OF DOLLARS)

| Year | Mineral Production | Year | Mineral Production | Year | Mineral Production |
|------|--------------------|------|--------------------|------|--------------------|
| 1930 | \$148,311 | 1940 | \$287,327 | 1950 | \$539,236 |
| 1931 | 108,066 | 1941 | 333,225 | 1951 | 542,031 |
| 1932 | 71,693 | 1942 | 341,835 | 1952 | 500,820 |
| 1933 | 74,837 | 1943 | 337,912 | 1953 | 501,926 |
| 1934 | 89,212 | 1944 | 342,832 | 1954 | 519,242 |
| 1935 | 96,484 | 1945 | 344,267 | 1955 | 570,653 |
| 1936 | 117,916 | 1946 | 379,673 | 1956 | 613,364 |
| 1937 | 133,437 | 1947 | 458,734 | 1957 | 612,755 |
| 1938 | 130,155 | 1948 | 567,624 | 1958 | 611,625 |
| 1939 | 215,157 | 1949 | 487,808 | 1959 | 606,300 |

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

TABLE 2

SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1951, 1952, 1953^a

| Material | Unit | 1951 | | | 1952 | | | 1953 | | |
|-----------------------------|-------|------------|-----------------|---------|------------|-----------------|---------|------------|-----------------|---------|
| | | Quantity | Value at plants | | Quantity | Value at plants | | Quantity | Value at plants | |
| Total | Av. | | Total | Av. | | Total | Av. | | | |
| Coal - bituminous | tons | 54,869,679 | \$223,320,000 | \$ 4.07 | 45,752,588 | \$187,585,600 | \$ 4.10 | 45,966,114 | \$181,566,200 | \$ 3.95 |
| Crude oil | bbls. | 60,244,000 | 166,876,000 | 2.77 | 60,071,000 | 166,397,000 | 2.77 | 59,025,000 | 171,586,000 | 2.91 |
| Limestone and dolomite | tons | 19,005,400 | 23,082,600 | 1.20 | 22,606,000 | 28,835,300 | 1.27 | 22,000,000 | 27,300,000 | 1.24 |
| Cement | bbls. | 8,648,647 | 20,775,900 | 2.40 | 9,042,260 | 21,663,400 | 2.40 | 9,100,000 | 23,114,000 | 2.54 |
| Clay products | - | - | 53,594,300 | - | - | 43,351,400 | - | - | 46,160,400 | - |
| Sand, common | tons | 6,607,153 | 4,854,700 | 0.74 | 6,822,660 | 4,924,600 | 0.72 | 6,882,850 | 5,108,500 | 0.74 |
| Gravel, common | tons | 8,521,200 | 6,398,500 | 0.75 | 8,758,635 | 6,253,800 | 0.71 | 8,108,750 | 6,166,200 | 0.76 |
| Special sands | - | - | 9,066,000 | - | - | 8,675,600 | - | - | 8,703,200 | - |
| Fluorspar | tons | 204,328 | 9,294,700 | 45.49 | 188,300 | 9,481,200 | 50.35 | 163,300 | 8,567,000 | 52.46 |
| Zinc | tons | 21,776 | 7,926,500 | 364.00 | 18,816 | 6,246,900 | 332.00 | 14,556 | 3,173,200 | 218.00 |
| Lead | tons | 3,160 | 1,093,364 | 346.00 | 4,262 | 1,372,400 | 322.00 | 3,391 | 902,000 | 266.00 |
| Other minerals ^b | - | - | 15,748,436 | - | - | 16,032,400 | - | - | 19,579,500 | - |
| Annual mineral production | | | \$542,031,000 | | | \$500,819,600 | | | \$501,926,200 | |

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

SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1954, 1955, 1956^a

| Material | Unit | 1954 | | | 1955 | | | 1956 | | |
|-----------------------------|-------|------------|-----------------|---------|------------|-----------------|---------|------------|-----------------|---------|
| | | Quantity | Value at plants | | Quantity | Value at plants | | Quantity | Value at plants | |
| Total | Av. | | Total | Av. | | Total | Av. | | | |
| Coal - bituminous | tons | 41,775,752 | \$159,583,373 | \$ 3.82 | 45,711,555 | \$167,304,290 | \$ 3.66 | 47,804,040 | \$183,567,514 | \$ 3.84 |
| Crude oil | bbls. | 66,940,000 | 200,820,000 | 3.00 | 81,131,000 | 237,713,830 | 2.93 | 82,314,000 | 242,826,300 | 2.95 |
| Limestone and dolomite | tons | 23,089,000 | 29,400,700 | 1.27 | 24,400,630 | 29,829,205 | 1.22 | 28,005,490 | 38,092,089 | 1.36 |
| Cement | bbls. | 9,419,600 | 24,246,500 | 2.57 | 9,397,098 | 25,031,520 | 2.66 | 9,301,189 | 27,263,794 | 2.93 |
| Clay products | - | - | 47,200,625 | - | - | 54,855,665 | - | - | 59,101,572 | - |
| Sand, common | tons | 8,050,990 | 5,911,535 | 0.73 | 7,750,860 | 5,996,735 | 0.77 | 10,461,300 | 7,852,592 | 0.75 |
| Gravel, common | tons | 11,991,625 | 9,350,965 | 0.78 | 10,637,000 | 8,990,175 | 0.85 | 12,776,606 | 10,570,480 | 0.83 |
| Special sands | - | - | 10,283,200 | - | - | 10,782,275 | - | - | 12,056,475 | - |
| Fluorspar | tons | 107,830 | 5,989,219 | 55.54 | 166,337 | 7,838,470 | 47.12 | 178,254 | 8,469,450 | 47.51 |
| Zinc | tons | 14,427 | 3,116,230 | 216.00 | 21,700 | 5,338,200 | 246.00 | 24,039 | 6,586,686 | 274.00 |
| Lead | tons | 3,232 | 885,570 | 274.00 | 4,544 | 1,354,112 | 298.00 | 3,832 | 1,203,248 | 314.00 |
| Other minerals ^b | - | - | 22,454,350 | - | - | 15,618,918 | - | - | 15,774,260 | - |
| Annual mineral production | | | \$519,242,267 | | | \$570,653,395 | | | \$613,364,460 | |

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

TABLE 2 - CONTINUED

SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1957, 1958, 1959^a

| Material | Unit | 1957 | | | 1958 | | | 1959 | | |
|-----------------------------|-------|------------|-----------------|---------|------------|-----------------|---------|------------|-----------------|---------|
| | | Quantity | Value at plants | | Quantity | Value at plants | | Quantity | Value at plants | |
| Total | Av. | | Total | Av. | | Total | Av. | | | |
| Coal - bituminous | tons | 46,682,889 | \$186,731,556 | \$ 4.00 | 43,777,130 | \$175,984,063 | \$ 4.02 | 45,374,626 | \$184,220,982 | \$ 4.06 |
| Crude oil | bbls. | 76,649,000 | 239,911,400 | 3.13 | 80,779,000 | 242,337,000 | 3.00 | 76,727,000 | 230,181,000 | 3.00 |
| Limestone and dolomite | tons | 28,140,100 | 38,750,105 | 1.38 | 33,064,789 | 43,876,091 | 1.33 | 31,909,142 | 41,746,465 | 1.31 |
| Cement | bbls. | 8,575,129 | 26,356,365 | 3.07 | 9,618,339 | 30,858,270 | 3.21 | 9,924,486 | 31,793,942 | 3.20 |
| Clay products | - | - | 60,671,157 | - | - | 55,276,000 | - | - | 58,343,921 | - |
| Sand, common | tons | 9,424,163 | 7,252,004 | 0.77 | 11,461,532 | 10,360,460 | 0.90 | 10,977,478 | 9,895,321 | 0.90 |
| Gravel, common | tons | 12,817,007 | 11,018,425 | 0.86 | 16,578,457 | 15,696,087 | 0.95 | 14,075,667 | 12,829,862 | 0.91 |
| Special sands | - | - | 11,264,529 | - | - | 9,420,987 | - | - | 10,396,376 | - |
| Fluorspar | tons | 169,939 | 8,827,171 | 51.94 | 152,087 | 7,930,613 | 52.15 | 112,469 | 5,908,307 | 52.53 |
| Zinc | tons | 22,185 | 5,146,920 | 232.00 | 24,940 | 5,087,760 | 204.00 | 26,815 | 6,167,450 | 230.00 |
| Lead | tons | 2,970 | 849,420 | 286.00 | 1,610 | 376,740 | 234.00 | 2,570 | 591,100 | 230.00 |
| Other minerals ^b | - | - | 15,976,120 | - | - | 14,420,929 | - | - | 14,225,274 | - |
| Annual mineral production | | | \$612,755,172 | | | \$611,625,000 | | | \$606,300,000 | |

^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 Includes natural gas, natural gasoline, liquefied petroleum gases and lime. No silver reported for 1957, 1958, 1959.