

Number of Indiana Industrial Mineral Operations and Companies and National Production Rank in 2003¹

Commodity	Number of Operations	Number of Companies	National Rank (Production)
Cement portland masonry	4	3	8 W ²
Clay and shale, common	10	9	16
Crushed stone, limestone and dolomite	95	37	11
Dimension limestone ³	20	15	1
Dimension sandstone	5	5	NA
Gypsum	2	2	6
Lime	2	2	8
Peat	4	4	7
Sand and gravel, construction ⁴	161	101	14
Sand, industrial	2	2	29
Total	305	186⁵	XX⁶

¹ Source of data: U.S. Mine Safety and Health Administration, Indiana Geological Survey, and U.S. Geological Survey preliminary data.

² Data withheld by the U.S. Geological Survey. Indiana usually ranks in the top 5 states.

³ Includes all geologic formations. Those producing from the Salem Formation total 11 companies with 15 quarries.

⁴ Does not include sand and gravel operations producing only pit run material.

⁵ Not a sum of this column. Some companies produce more than one commodity.

⁶ Not applicable. Indiana ranked 18th nationally in value of industrial minerals produced in 2003.

**Number of Surface and Underground Industrial Mineral
Operations in Indiana in 2003¹**

Commodity	Number of Surface Plants or Mines	Number of Underground Mines	Total Number of Operations
Cement portland & masonry ²	4		4
Clay and shale, common	10		10
Crushed stone, limestone and dolomite	87	8	95
Dimension limestone	19	1	20
Dimension sandstone	5		5
Gypsum		2	2
Lime	2		2
Peat	4		4
Sand and Gravel, construction ³	161		161
Sand, industrial	2		2
Total	294	11	305

¹ Source of data: U.S. Mine Safety and Health Administration and Indiana Geological Survey.

² All four produce portland cement, two of the plants also produce masonry cement.

³ Does not include sand and gravel operations producing only pit-run material.

**Indiana Industrial Minerals, Coal, and Oil and Natural Gas Extraction
Employment Statistics**

Commodity Type	Employment	Total Employee Hours
Industrial Minerals	3,529	7,279,358
Coal	2,851	6,801,659
Oil and Natural Gas	207	NA

Source of data: U.S. Mine Safety and Health Administration and Indiana Department of Workforce Development. All data are for 2003 with the exception of Oil and Natural Gas which are for 2002. Data include office workers.

Number of Indiana Coal Companies, Surface Mines, and Underground Mines, and National Production Rank in 2003

Commodity	Number of Companies	Number of Surface Mines	Number of Underground Mines	Rank
Coal	13	23	6	8

Source of data: Indiana Dept. of Natural Resources, Div. of Reclamation, and U.S. Department of Energy, Energy Information Administration. Preliminary data.

**Coal Resources of Indiana by County
As of January 2003 (Includes 2002 production)¹**

County	Total Remaining Resources			Recoverable Resources ²		
	Surface	Underground	Total	Surface	Underground	Total
Clay	345,994	504,732	850,726	276,795	252,366	529,161
Daviess	75,290	239,004	314,294	60,232	119,502	179,734
Dubois	835	0	835	668	0	668
Fountain-Warren	40,046	7,204	47,250	32,037	3,602	35,639
Gibson	280,456	5,953,940	6,234,396	224,365	2,976,970	3,201,335
Greene	192,469	448,988	641,457	153,975	224,494	378,469
Knox	143,617	4,424,694	4,568,312	114,894	2,212,347	2,327,241
Martin	101,602	22	101,624	81,281	11	81,292
Owen	58,180	0	58,180	46,544	0	46,544
Parke	11,178	59,004	70,182	8,942	29,502	38,444
Perry	52,434	0	52,434	41,947	0	41,947
Pike	133,337	730,455	863,792	106,670	365,228	471,897
Posey	0	5,740,782	5,740,782	0	2,870,391	2,870,391
Spencer	45,044	4	45,048	36,035	2	36,037
Sullivan	276,061	6,963,978	7,240,039	220,849	3,481,989	3,702,838
Vanderburgh	0	2,166,906	2,166,906	0	1,083,453	1,083,453
Vermillion	18,020	588,690	606,710	14,416	294,345	308,761
Vigo	276,642	2,897,640	3,174,282	221,314	1,448,820	1,670,134
Warrick	116,981	1,031,936	1,148,917	93,585	515,968	609,553
Total	2,168,186	31,757,979	33,926,165	1,734,549	15,878,990	17,613,539

¹ Source of data: Indiana Bureau of Mines and Mining Safety and the Indiana Geological Survey.

² Based on 80% recoverability for surface mines and 50% recoverability for underground mines.