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2006 Report on Ohio Mineral Industries: An Annual Summary of the State's Economic Geology

WITH

DIRECTORIES OF REPORTING
COAL AND INDUSTRIAL MINERAL OPERATORS

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2006 OHIO MINING ACTIVITIES IN BRIEF

Reports were filed in 2006 for 147 coal-mining operations, including 5 mines that each have their own coal-washing facility. Coal production was reported from 85 of these 147 operations. Reports also were filed for 16 separate coal-washing plants and associated facilities. Of 640 industrial-mineral-mining operations known to be operating in 2006, 453 operations were active. A total of 31 mines reported production of multiple mineral commodities. Of this total, 30 mines reported production of multiple industrial minerals, including 8 mines reporting production of multiple industrial minerals and coal; 3 mines reported production of coal and one industrial mineral. There were 765 new wells completed for oil and gas in 2006, of which 722 were productive and 43 were dry.

The total value[1] of coal was $618,263,136 in 2006; the value of oil and gas was $1,007,449,596 and the total value[1] of all nonfuel industrial minerals was $940,868,107 in 2006.

[1]Includes reported and estimated values. Some operations reporting sales did not report a value for those sales. A countywide- or statewide-average price per ton was calculated for each industrial mineral commodity based on sales for which the value was reported. A countywide average price per ton was calculated for coal based on sales for which the value was reported and method of production. These calculated averages were used to estimate the value of the sales for which the actual values were not reported.

TABLE 1.—*2006 Mineral sales and production in Ohio*

Commodity	Sales[1]	Production[2]	Value[3]	Change in value from 2005 (percent)
Coal	22,630,167 tons	22,718,942 tons	$618,263,136	–1.2
Limestone and dolomite	75,851,002 tons	75,387,852 tons	$520,253,188	+10.3
Sand and gravel	47,023,674 tons	47,753,217 tons	$257,962,575	+4.3
Salt	4,344,473 tons	4,748,392 tons	$104,154,099	–16.2
Sandstone and conglomerate	1,749,436 tons	1,899,588 tons	$43,580,390	–2.9
Clay	1,032,183 tons	967,282 tons	$7,602,709	+28.1
Shale	1,232,984 tons	1,232,984 tons	$7,315,146	+23.2
Gas	[4]	86,315,100 MCF[5]	$668,942,025	–11.9
Oil	[4]	5,422,194 barrels	$338,507,571	+12.9

[1]Includes material for captive use.
[2]The production figures for the industrial minerals are estimates. Many operators do not know actual production. Some operators report estimates, other operators do not report any production. For those operators who do not report production, production is assumed to equal sales.
[3]The FOB value of industrial minerals sold was estimated for mines that failed to report this information and for those producing material for captive use. These estimates were calculated using a countywide- or statewide-average price per ton calculated on reported FOB values.
[4]Figure not available.
[5]Thousand cubic feet.

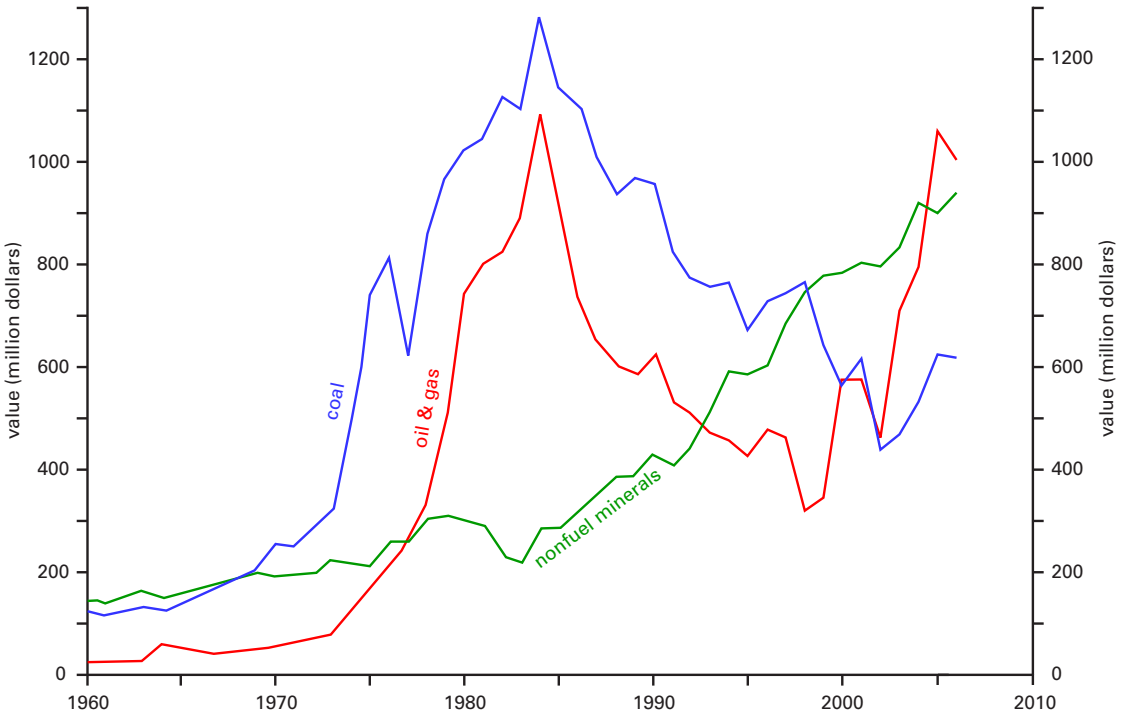

FIGURE 1.—Value of coal, nonfuel minerals, and oil and gas in Ohio.

COAL

Coal was produced by 32 companies at 85 mines in 16 Ohio counties during 2006. Production decreased 9.7 percent from 2005, totaling 22,718,942 tons in 2006; 7,591,211 tons (33.4 percent of total production) were produced at 74 surface mines, and 15,127,731 tons (66.6 percent of total production) were produced at 11 underground mines. In 2006, tonnage from underground production exceeded tonnage from surface production, continuing a trend that began in 1995. Of 26 coal-producing states, Ohio ranked 14th in 2006. The top five states, in descending order of production, are Wyoming (446.7 million tons), West Virginia (151.7 million tons), Kentucky (120.1 million tons), Pennsylvania (66.0 million tons), and Texas (45.5 million tons). These five states produced 71.5 percent of the nation's coal in 2006. Ohio produced 2.0 percent of the nation's coal in 2006. The top five coal-consuming states, in descending order of consumption, are Texas, Indiana, Ohio, Illinois, and Pennsylvania. These five states used 31.6 percent of the total coal consumed by all 50 states in 2006.[2]

In comparison to 2005, there were 2 less mines that produced more than 1,000,000 tons, 1 more mine produced between 500, 000 and 999,999 tons, 3 more mines produced between 250,000 and 499,999 tons, and 7 fewer mines produced less than 50,000 tons. There was a net decrease of 5 mines in 2006.

The five leading counties for 2006 production were Belmont, Monroe, Harrison, Tuscarawas, and Jefferson Counties; these counties produced 79.1 percent of the 2006 total production. A total of 22,630,167 tons of coal were sold in 2006; total value[3] was $618,263,136. The average price per ton of all coal sold was $27.32; surface-mined coal averaged $27.97 per ton and underground-mined coal averaged $26.98.

In underground mining, 61.5 percent of the coal was produced by longwall mining and 38.5 percent was mined by continuous miner machinery; no coal was produced by conventional mining in 2006. In surface operations, 92.4 percent of the coal was mined by conventional surface methods and 7.6 percent was auger mined.

The Pittsburgh (No. 8) coal was the most heavily mined seam, followed in descending order by the Middle Kittanning (No. 6), Lower Freeport (No. 6A), Meigs Creek (No. 9), and Upper Freeport (No. 7) seams. Coal produced from these five seams constituted 87.2 percent of the total 2006 production.

A total of 15,231,773 tons of washed coal was reported in 2006. Reports from 18 coal-washing plants indicate an average loss in tonnage of 28.4 percent after washing.

Rail was the primary means of coal disposition, carrying 53.1 percent of the total sales. Trucking transported 43.4 percent and water carried 2.1 percent of the coal sold in 2006. A total of 953,390 tons (4.2 percent) of the coal produced was reported as stored.

The total average annual employment reported in 2006 was 2,423 employees; 1,572 of these were production employees. Production employees worked an average of 171 days producing coal in 2006. The average annual wage earned by all production employees was $56,762 based on those employees for whom wages were reported. The average annual wage for surface-mine production employees was $47,361, and the average annual wage for underground-mine production employees was $59,176. Wages earned by all employees totaled $137,535,724 in 2006.

[2]Information from U.S. Department of Energy, Energy Information Administration (2006).
[3]Includes reported and estimated values. See footnote 1, p. 1.

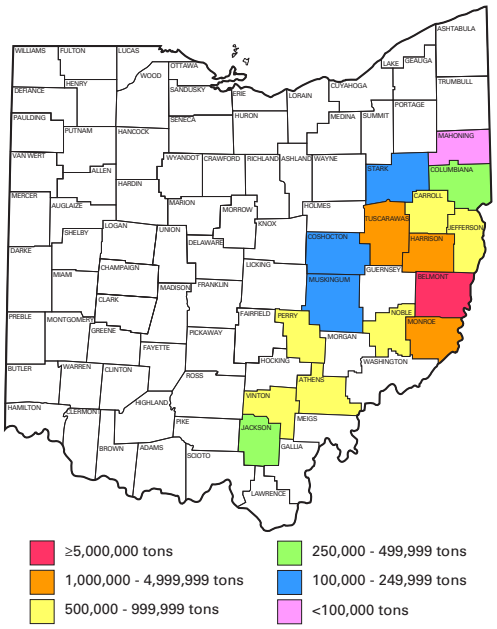

FIGURE 2.—Coal production in Ohio in 2006, by county.

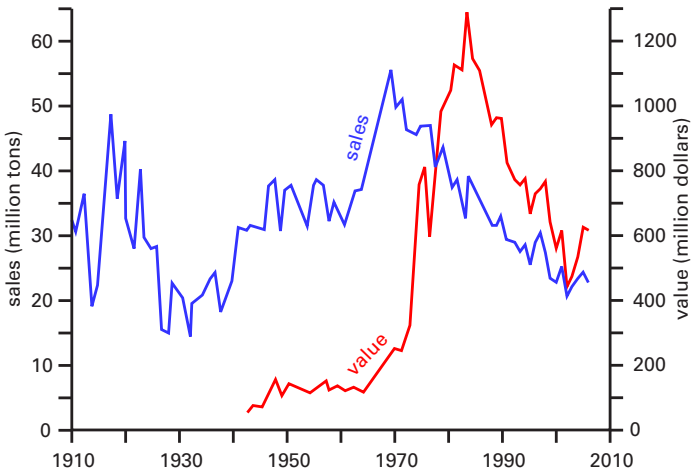

FIGURE 3.—Sales and value of coal in Ohio.

TABLE 2.—*2006 Ohio coal production and sales by county, in descending order of production*

County	Production (short tons)	Sales (short tons)
Belmont	7,615,853	7,499,594
Monroe	4,554,330	4,554,505
Harrison	3,172,507	3,199,282
Tuscarawas	1,652,748	1,652,748
Jefferson	952,800	952,800
Perry	885,962	880,008
Athens	799,687	806,175
Noble	575,471	575,471
Vinton	532,705	532,705
Carroll	505,864	505,864
Jackson	461,449	461,449
Columbiana	416,406	416,406
Muskingum	233,038	233,038
Stark	197,324	197,324
Coshocton	154,439	154,439
Mahoning	8,359	8,359
16 counties	22,718,942	22,630,167

TABLE 3.—*2006 Ohio coal production by production-size group and change from 2005*

Production-size group	2006		Change from 2005 (short tons)
	Number of mines reporting	Production (short tons)	
1,000,000 tons and over	2	10,805,219	–3,790,670
500,000 to 999,999 tons	3	2,449,858	1,126,305
250,000 to 499,999 tons	14	5,210,085	1,108,137
100, 000 to 249,999 tons	18	2,625,606	–1,327,327
50,000 to 99,999 tons	14	1,074,724	435,785
25,000 to 49,999 tons	8	305,728	6,262
Less than 25,000 tons	26	247,722	–10,950
TOTAL	85	22,718,942	–2,452,458

TABLE 4.—*2006 Ohio coal production by county and mining method*

County[1]	All methods (short tons)	Total number of mines	Underground				Surface			
			Number of underground mines reporting	Production (short tons)			Number of surface mines reporting	Production (short tons)		
				Total underground	Longwall	Continuous miner		Total surface	Strip	Auger
Athens	799,687	1	1	799,687		799,687				
Belmont	7,615,853	15[2]	2	6,250,889	5,315,203	935,686	13	1,093,654	1,093,654	271,310
Carroll	505,864	3	1	269,051		269,051	2	236,813	208,976	27,837
Columbiana	416,406	6					6	416,406	415,819	587
Coshocton	154,439	3					3	154,439	124,181	30,258
Harrison	3,172,507	14	2	1,650,171		1,650,171	12	1,552,336	1,482,063	40,273
Jackson	461,449	2					2	461,449	461,449	
Jefferson	952,800	6	2	794,185		794,185	4	158,615	142,282	16,333
Mahoning	8,359	2					2	8,359	8,359	
Monroe	4,554,330	1	1	4,554,330	3,991,793	562,537				
Muskingum	233,038	1					1	233,028	161,375	71,663
Noble	575,471	5					5	575,471	560,135	15,336
Perry	885,962	4	2	361,442		361,442	2	524,520	524,520	
Stark	197,324	6					6	197,324	197,324	
Tuscarawas	1,652,748	15	1	447,976		447,876	14	1,204,772	1,103,702	101,070
Vinton	532,705	2					2	532,705	532,705	
TOTAL	22,718,942	85	11	15,127,731	9,306,996	5,820,735	74	7,591,211	7,016,544	574,667

[1]Production from mines operating in more than one county was evenly split between the counties involved unless a by-county breakdown was provided by the operator.
[2]Does not include mines extending into this county from adjoining counties.

TABLE 5.—*2006 Ohio coal production by county and month*

County[1]	Production (short tons)												
	Total annual	January	February	March	April	May	June	July	August	September	October	November	December
Athens	799,687	84,285	80,485	93,044	56,169	62,991	55,455	46,655	61,387	59,671	53,670	73,262	72,613
Belmont	7,615,853	706,099	690,053	802,676	774,255	699,313	219,683	696,564	855,498	390,832	615,743	362,811	802,326
Carroll	505,864	43,517	47,570	50,538	31,415	35,162	41,851	42,880	45,031	45,550	42,318	37,052	42,980
Columbiana	416,406	42,255	34,576	45,631	34,690	41,265	39,836	38,542	36,136	32,195	21,707	27,049	22,524
Coshocton	154,439	35,081	19,794	16,659	9,888	7,414	8,645	5,074	12,941	11,841	14,090	5,872	7,140
Harrison	3,172,507	266,683	294,452	332,145	275,982	281,262	299,311	232,343	234,261	253,718	250,173	225,753	226,424
Jackson	461,449	43,970	43,970	44,975	39,700	39,700	39,700	35,964	36,333	38,375	32,255	32,255	34,252
Jefferson	952,800	75,358	70,351	75,564	78,612	91,041	75,550	79,291	83,189	74,373	77,385	84,592	87,494
Mahoning	8,359	54				1,284	697	1,179	755	684	1,299	862	1,545
Monroe	4,554,330	408,397	459,993	309,776	411,140	421,669	120,020	442,403	456,902	217,551	460,432	438,806	407,241
Muskingum	233,038	13,361	17,602	22,807	19,150	22,874	22,996	20,968	23,798	16,334	22,038	13,522	17,588
Noble	575,471	29,857	27,778	39,302	39,490	51,097	48,676	54,917	71,774	57,317	57,279	44,745	53,239
Perry	885,962	50,036	55,017	54,537	74,491	94,599	96,783	71,027	54,614	68,900	106,936	80,623	78,399
Stark	197,324	16,560	17,180	19,813	17,965	15,478	18,623	23,501	16,196	10,754	16,065	14,046	11,143
Tuscarawas	1,652,748	160,078	156,987	182,713	132,054	128,358	133,058	108,662	129,386	108,338	133,410	139,588	140,116
Vinton	532,705	44,741	59,424	40,896	41,039	40,591	40,708	51,361	43,857	36,383	44,042	46,404	43,259
TOTAL	22,718,942	2,020,332	2,075,232	2,131,076	2,036,040	2,034,098	1,261,592	1,951,331	2,162,058	1,422,816	1,948,842	1,627,242	2,048,283

[1]Production from mines operating in more than one county was evenly split between the counties involved unless county-specific information was provided by the operator.

TABLE 6.—*2006 Ohio coal production*

County[1]	Production								
	Total	Lower Mercer (No. 3)	Upper Mercer (No. 3A)	Brookville (No. 4)	Clarion (No. 4A)	Lower Kittanning (No. 5)	Middle Kittanning (No. 6)	Lower Freeport (No. 6A)	Upper Freeport (No. 7)
Athens	799,687						799,687		
Belmont	7,615,853								
Carroll	505,864						217,745		
Columbiana	416,406								247,837
Coshocton	154,439					10,907	143,532		
Harrison	3,172,507							1,650,171	
Jackson	461,449	61,584			162,130	217,752	19,747		236
Jefferson	952,800							170,206	187,049
Mahoning	8,359			228		8,131			
Monroe	4,554,330								
Muskingum	233,038						233,038		
Noble	575,471								
Perry	885,962					153,242	377,232		355,488
Stark	197,324			85,052		13,740	67,409	31,123	
Tuscarawas	1,652,748		32,398	43,032		427,448	829,380		320,490
Vinton	532,705				312,890	185,152	20,925		13,738
TOTAL	22,718,942	61,584	32,398	128,312	475,020	1,016,372	2,708,695	1,851,500	1,124,838

[1]Production from mines operating in more than one county was evenly split between the counties involved unless county-specific information was provided by the operator.

by county and seam

(short tons)

Mahoning (No. 7A)	Harlem	Pittsburgh (No. 8)	Pomeroy-Redstone (No. 8A)	Meigs Creek (No. 9)	Waynesburg (No. 11)	County[1]
						Athens
		6,957,973		607,593	50,287	Belmont
269,051	19,068					Carroll
168,569						Columbiana
						Coshocton
	934	1,292,637	210,686	18,079		Harrison
						Jackson
452,091		103,960	34,466	5,028		Jefferson
						Mahoning
		4,554,330				Monroe
						Muskingum
				575,471		Noble
						Perry
						Stark
						Tuscarawas
						Vinton
889,711	20,002	12,908,900	245,152	1,206,171	50,287	TOTAL

TABLE 7.—*2006 Disposition of Ohio coal, by county*

County[1]	Number of mines	Disposition[1] (short tons)						Stored
		Total[2]	Rail	Water	Truck	Conveyor	Unspecified/ other	
Athens	1	806,175	806,175					6,980
Belmont	15[3]	7,499,594	4,249,014	206,088	2,721,278	323,214		628,934
Carroll	3	505,864		19,068	486,796			
Columbiana	6	416,406			416,406			
Coshocton	3	154,439			154,439			
Harrison	14	3,199,282	1,777,445	45,040	1,376,797			311,007
Jackson	2	461,449			461,449			
Jefferson	6	952,800			952,800			
Mahoning	2	8,359			8,359			515
Monroe	1	4,554,505	4,331,863		222,642			
Muskingum	1	233,038			233,038			
Noble	5	575,471			575,471			
Perry	4	880,008	854,043		25,965			5,954
Stark	6	197,324			197,324			
Tuscarawas	15	1,652,748			1,652,748			
Vinton	2	532,705		193,694	339,011			
TOTAL	85	22,630,167	12,018,540	463,890	9,824,523	323,214		953,390

[1]Tonnage of coal shipped from mines operating in more than one county was evenly split between the counties involved and type(s) of disposition reported unless county-specific information was provided by the operator.
[2]Does not reflect tonnage stored. Reflects tonnage sold and shipped from mine.
[3]Does not include mines extending into this county from adjoining counties.

TABLE 8.—*2006 Dollar value of coal at mine by county and mining method*

County[1]	Total				Underground				Surface			
	No. of mines	Tonnage sold (short tons)	Value at mine[2] (dollars)	Per ton average (dollars)	No. of mines	Tonnage sold (short tons)	Value at mine[2] (dollars)	Per ton average (dollars)	No. of mines	Tonnage sold (short tons)	Value at mine[2] (dollars)	Per ton average (dollars)
Athens	1	806,175	$21,137,901	$26.22	1	806,175	$21,137,901	$26.22				
Belmont	15[3]	7,499,594	192,002,383	25.60	2	6,110,241	154,811,867	25.34	13	1,389,353	$37,190,516	$26.77
Carroll	3	505,864	16,595,807	32.81	1	269,051	11,006,541	40.91	2	236,813	5,589,266	23.60
Columbiana	6	416,406	13,996,996	33.61					6	416,406	13,996,996	33.61
Coshocton	3	154,439	4,705,974	30.47					3	154,439	4,705,974	30.47
Harrison	14	3,199,282	96,280,741	30.09	2	1,607,604	50,812,000	31.61	12	1,591,678	45,468,741	28.57
Jackson	2	461,449	12,150,000	26.33					2	461,449	12,150,000	26.33
Jefferson	6	952,800	29,412,553	30.87	2	794,185	25,323,225	31.89	4	158,615	4,089,328	25.78
Mahoning	2	8,359	250,758	30.00					2	8,359	250,758	30.00
Monroe	1	4,554,505	118,837,575	26.09	1	4,554,505	118,837,575	26.09				
Muskingum	1	233,038	6,971,749	29.92					1	233,038	6,971,749	29.92
Noble	5	575,471	13,894,481	24.14					5	575,471	13,894,481	24.14
Perry	4	880,008	24,410,273	27.74	2	355,488	9,319,815	26.22	2	524,520	15,090,458	28.77
Stark	6	197,324	5,764,648	29.21					6	197,324	5,764,648	29.21
Tuscarawas	15	1,652,748	42,396,910	25.65	1	447,976	12,000,000	26.79	14	1,204,772	30,396,910	25.23
Vinton	2	532,705	19,454,387	36.52					2	532,705	19,454,387	36.52
TOTAL	85	22,630,167	$618,263,136	$27.32	11	14,945,225	$403,248,924	$26.98	74	7,684,942	$215,014,212	$27.97

[1]Sales reported from mines operating in more than one county were evenly split between the counties involved unless county-specific information was provided by the operator.
[2]The FOB value of coal sold was estimated for those mines which failed to report this information. These estimates were calculated using a countywide-average price per ton by mining method based on reported FOB values deemed to be reliable.
[3]Does not include mines extending into this county from adjoining counties.

TABLE 9.—*2006 Ohio coal-mine employment*[1]*, by occupational group and month*

Occupational group	Number of employees												
	Total annual	January	February	March	April	May	June	July	August	September	October	November	December
Production workers	1,572	1,585	1,593	1,643	1,610	1,558	1,564	1,571	1,569	1,567	1,543	1,510	1,547
Non-production workers	851	863	823	854	841	854	870	876	864	855	847	850	812
TOTAL	2,423	2,448	2,416	2,497	2,451	2,412	2,434	2,447	2,433	2,422	2,390	2,360	2,359

[1]Employment was estimated for mines not reporting employment.

TABLE 10.—*2006 Wage and salary payments to Ohio coal-mine employees, by county and occupational group*

County[1]	Wage and salary payments (nearest whole dollar)[2]			
	All occupations	Underground production employees	Surface production employees	Other
Athens	$3,933,564	$2,071,406		$1,862,158
Belmont	56,661,079	18,728,734	$6,157,251	31,775,094
Carroll	2,956,703	1,974,174	786,133	196,396
Columbiana	5,663,392		4,158,918	1,504,474
Coshocton	1,259,347		622,763	636,584
Harrison	21,375,073	11,099,900	4,838,782	5,436,391
Jackson	2,090,567		1,792,045	298,522
Jefferson	5,022,237	3,249,099	715,878	1,057,260
Mahoning	232,318		92,514	139,804
Monroe	15,053,771	14,024,273		1,029,498
Muskingum	945,986		855,550	90,436
Noble	2,542,570		2,329,331	213,239
Perry	5,476,561	1,864,340	2,668,293	943,928
Stark	1,881,738		1,512,036	369,702
Tuscarawas	7,990,140	2,526,724	3,789,158	1,674,258
Vinton	4,450,678		1,646,327	2,804,351
TOTAL	$137,535,724	$55,538,650	$31,964,979	$50,032,095

[1]For those operations reporting activity in more than one county, wage and salary payments were evenly split between the counties involved unless county-specific information was provided by the operator.

[2]For those operations reporting only a total wage and salary payment for all workers, an equal pay rate was assumed for all employees. In cases where quarterly employment was reported but wage and salary payments were not, wage and salary payments for that quarter were estimated from reported payments in the other quarters to arrive at the annual figure. For mines reporting employment and no wage and salary payments, wage and salary payments were estimated using a countywide or statewide average.

INDUSTRIAL MINERALS

Industrial minerals, other than mineral fuels, were produced in a total of 86 Ohio counties in 2006. The combined value of all nonfuel industrial minerals sold in 2006 was $940,868,107.

In 2006, 368 companies operated 640 industrial-mineral mining operations. Industrial minerals were produced or sold by 292 companies from 453 active operations. Twenty-eight of the 292 companies produced more than one industrial mineral from 30 operations. Nine companies produced coal and one or more industrial minerals from 11 operations. Twenty-five companies produced multiple industrial-mineral commodities (no coal) from 30 operations. The remaining 264 companies produced one industrial-mineral commodity.

Of the 30 multiple industrial-mineral operations (including those operations producing coal and more than one industrial-mineral commodity), 8 operations produced sand and gravel, and clay; 5 operations produced clay and shale; 4 operations produced limestone and clay; 3 operations produced sandstone, and sand and gravel; 3 operations produced limestone and sandstone; 2 operations produced sand and gravel, and shale; 1 operation produced limestone, clay, and shale; 1 operation produced limestone, and sand and gravel; 1 operation produced sandstone and clay; 1 operation produced sand and gravel, sandstone, and shale, and 1 operation produced limestone, sandstone, clay, and shale.

The 226 multiple industrial-mineral commodity production employees worked an average of 168 days in 2006. Total wages of $11,295,036 were paid to a total of 349 employees (226 production employees and 123 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $32,364.

The total average annual employment reported in 2006 for industrial mineral operations was 4,910 people (3,460 production employees and 1,450 nonproduction employees). Total wages for all employees at industrial mineral operations in 2006 were $216,394,830. The average annual wage, based on those employees for whom wages were reported, was $44,113.

TABLE 11.—*2006 Value of Ohio industrial minerals*

Commodity	Sales (tons)	Change from 2005 (tons/percent)	Value[1] (dollars)	Percent of total value
Limestone and dolomite	75,851,002	–3,548,582/-4.5	$520,253,188	55.3
Sand and gravel	47,023,674	–5,182,984/-9.9	$257,962,575	27.4
Salt	4,344,473	–818,638/-15.9	$104,154,099	11.1
Sandstone and conglomerate	1,749,436	–152,178/-8.0	$43,580,390	4.6
Clay	1,032,183	+199,222/+19.3	$7,602,709	0.8
Shale	1,191,979	+41,005/+3.4	$7,315,146	0.8
Total	131,192,747	–9,503,160/-6.8	$940,868,107	100.0

[1]The FOB value of industrial minerals sold was estimated for those mines which failed to report this information and for those producing material for captive use. These estimates were calculated using a countywide- or statewide-average price per ton based on reported FOB values.

TABLE 12.—*2006 Employment at Ohio industrial mineral operations, by county and commodity*

County[1]	Total employees[2]	Number of employees[3]															
		Total[2]		Limestone and dolomite		Sand and gravel		Sandstone and conglomerate		Clay		Shale		Salt		Multiple commodities	
		Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production
Adams	44	37	7	37	7												
Allen	43	27	16	24	15	3	1										
Ashland	22	15	7			15	7										
Ashtabula	24	16	8			11	3									5	5
Athens	15	9	6			2	3									7	3
Auglaize	29	25	4	19	4	5	0			1	0						
Belmont	52	40	12	27	8	2	2									11	2
Brown	30	24	6	21	5											3	1
Butler	109	71	38			71	38										
Carroll	6	4	2			4	2										
Champaign	24	19	5			19	5										
Clark	54	39	15			35	14									4	1
Clermont	14	8	6			8	6										
Clinton	53	32	21	32	21												
Columbiana	50	33	17			8	6			1	1	5	1			19	9
Coshocton	54	32	22			18	15	13	6							1	1
Crawford	22	21	1	21	1												
Cuyahoga	223	127	96									4	20	121	74	2	2
Darke	16	11	5	10	4	1	1										
Delaware	61	56	5	56	5												
Erie	189	153	36	142	35			11	1								
Fairfield	12	7	5			7	5										
Fayette	11	8	3	8	3												
Franklin	251	199	52	131	32	68	20										
Fulton	12	10	2			10	2										
Gallia	19	10	9			10	9										
Geauga	85	37	48			13	2	23	46							1	0
Greene	84	59	25	20	6	32	18									7	1
Guernsey	14	9	5	9	5												
Hamilton	171	104	67			95	66									8	1
Hancock	18	16	2	16	2												
Hardin	36	27	9	27	9												
Harrison	18	16	2	6	1							10	1				
Highland	51	34	17	32	17	2	0										
Hocking	17	10	7			10	7										
Holmes	28	18	10			16	10									2	0
Huron	2	1	1					1	1								
Jackson	17	9	8	8	6					1	2						
Knox	56	39	17			22	15	16	2			1					
Lake	184	108	76			1	1	2	2					105	73		
Licking	36	27	9			19	7			3	1	3	0	2	1		
Logan	54	38	16	32	14	6	2										
Lorain	8	6	2					6	2								
Lucas	68	49	19	46	17	1				2	2						
Madison	6	4	2													4	2
Mahoning	88	65	23	19	14			1		1						44	9
Marion	35	25	10	18	7	3	2					4	1				
Medina	39	31	8			31	8										
Meigs	45	39	6			39	6										
Mercer	12	10	2	10	2												
Miami	95	72	23	58	19	10	3									4	1
Monroe	6	4	2	4	2												
Montgomery	115	77	38	49	24	28	14										
Morgan	3	2	1			2	1										
Morrow	9	6	3			6	3										
Muskingum	104	80	24	62	17	13	5			3	1	2	1				
Noble	23	17	6	11	5											6	1
Ottawa	107	87	20	87	20												
Paulding	81	36	45	28	14											8	31
Perry	69	56	13					35	9	4	1	12	1			5	2
Pickaway	56	49	7	28	4	21	3										
Pike	68	39	29	23	17	10	4	6	8								
Portage	202	127	75			114	70									13	5
Preble	33	25	8	8	3	15	5									2	0
Putnam	14	11	3	11	3												

TABLE 12.—*2006 Employment at Ohio industrial mineral operations, by county and commodity* (cont.)

County[1]	Number of employees[3]																
	Total employees[2]	Total[2]		Limestone and dolomite		Sand and gravel		Sandstone and conglomerate		Clay		Shale		Salt		Multiple commodities	
		Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production	Production	Non production
Richland	32	23	9			21	7			1	1	1	1				
Ross	53	33	20	14	7	19	13										
Sandusky	308	247	61	247	61												
Scioto	38	27	11			16	8	11	3								
Seneca	96	72	24	72	24												
Shelby	76	53	23	26	13	17	3									10	7
Stark	118	87	31			78	30			0	0					9	1
Summit	44	12	32			8	6							2	25	2	1
Trumbull	18	10	8					7	1							3	7
Tuscarawas	115	74	41			32	13	1	1	3	2	3	2			35	23
Union	39	31	8	31	8												
Van Wert	19	14	5	14	5												
Vinton	6	6	0	6	0												
Warren	50	33	17			33	17										
Washington	51	31	20			29	16					2	4				
Wayne	55	40	15			16	2					1	0	12	6	11	7
Williams	7	5	2			5	2										
Wood	54	43	11	43	11												
Wyandot	135	117	18	103	14	14	4										
TOTAL	4910	3460	1450	1696	511	1094	512	133	82	20	11	48	32	242	179	226	123

[1]For those operations reporting activity in more than one county, the number of employees was rounded and evenly split between the counties unless county-specific information was provided by the operator.
[2]Any tally inconsistencies are due to computer rounding of fractions produced by partial-year employment.
[3]Employment is not included for mines that were owner operated.

LIMESTONE AND DOLOMITE

Limestone and dolomite were sold or produced by 55 companies at 106 operations in 48 Ohio counties during 2006. Sales of limestone and dolomite totaled 75,851,002 tons (-4.5 percent from 2005). Erie, Franklin, Ottawa, Wyandot, and Delaware Counties accounted for 39.4 percent of those sales. Reported known production totaled 75,387,852 tons.

Industrial lime produced from Ohio limestone and dolomite totaled 1,340,924 tons in 2006 and came from five operations in Ottawa, Sandusky, Seneca, and Wyandot Counties. Ohio ranks 4th nationally in the production of lime out of 35 producing states and Puerto Rico. The top five states, in descending order of lime production, are Missouri, Alabama, Kentucky, Ohio and Texas.

Ohio ranks 8th in the production of crushed stone (which includes crushed sandstone) out of 49 producing states. The top states leading Ohio in the production of crushed stone, in descending order, are Texas, Florida, Pennsylvania, Missouri, Virginia, Georgia, and Illinois.[4]

The total value[5] of limestone and dolomite sold in 2006 was $520,253,188. Average price per ton was $6.85.

An annual average of 1,696 employees worked an average of 211 days to produce limestone and dolomite. Total wages of $104,569,867 were paid to a total of 2,207 employees (1,696 production employees and 511 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $47,381. An additional 87 people (68 production employees and 19 nonproduction employees) were employed by operations mining limestone and dolomite along with one or more other mineral commodities.

The primary use of crushed and broken limestone and dolomite was for road construction/resurfacing. Other major uses of various forms of limestone and dolomite included producing stone for asphaltic concrete and portland cement concrete, commercial building materials, and lime.

[4]Information from the U.S. Geological Survey.
[5]Includes reported and estimated values. See footnote 1, p. 1.

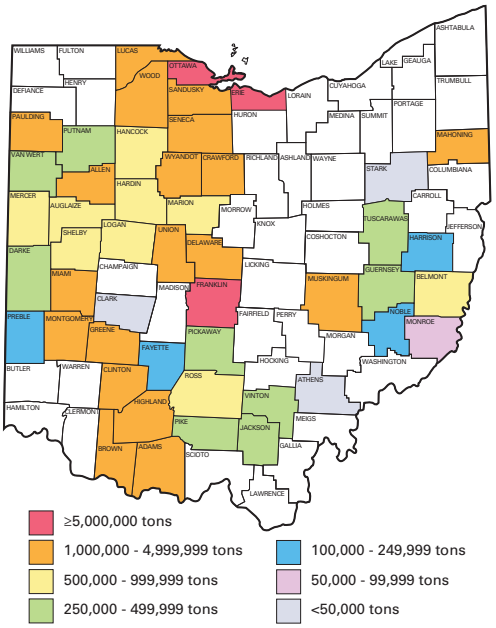

FIGURE 4.—Sales of limestone and dolomite in Ohio in 2006, by county.

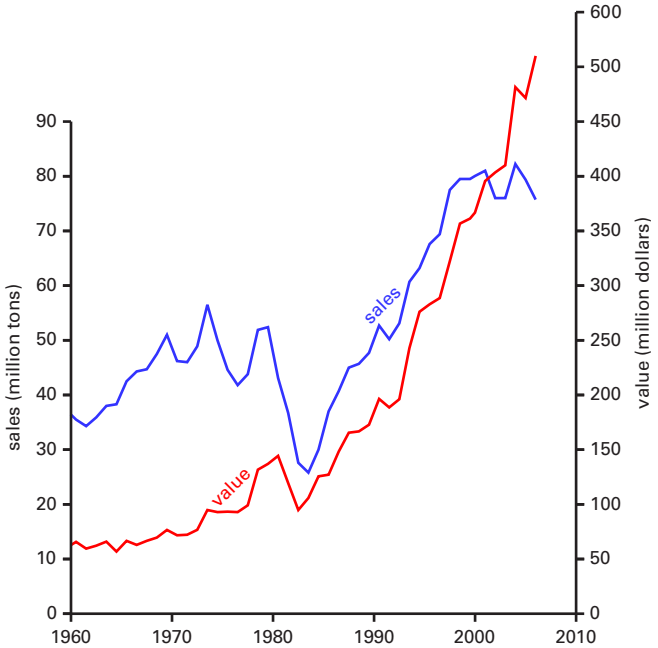

FIGURE 5.—Sales and value of limestone and dolomite in Ohio.

TABLE 13.—*2006 Production of lime from Ohio stone, by county and type*

County	Total tons[1]	Building (tons)	Chemical and industrial (tons)	Refractory (tons)
Ottawa	141,236	120,698	20,538	
Sandusky	894,188		333,545	560,643
Seneca	300,000		300,000	
Wyandot	5,500		5,500	
TOTAL	1,340,924	120,698	659,583	560,643

[1]The tonnage listed is after burning, which produced a 54.1 percent weight loss.

TABLE 14.—*2006 Ohio limestone and dolomite sales, by county and type*

County	Tons sold														
	Total all types	Crushed and broken stone										Dimension stone	Stone for portland cement manufacture	Agricultural stone (aglime)	Raw stone for burning
		Total	Riprap	Flux stone	Stone for portland cement concrete	Stone for asphaltic concrete	Road construction/ resurfacing	Commercial building	Railroad ballast	Extenders/ fillers	Unspecified/ other				
Adams	1,532,013	1,503,716	26,865	24,840	100,000	100,000	400,000	100,000		9,397	742,614			28,297	
Allen	1,906,695	1,894,834	10,530		202,827	519,788	979,711	77,663	3,000		101,315			11,861	
Athens	26,147	26,147					26,147								
Auglaize	653,740	650,661	6,113		68,000	71,000	492,641				12,907			3,079	
Belmont	562,905	562,905	15,384				547,521								
Brown	1,546,656	1,546,656			200,000	200,000	400,000	200,000			546,656				
Clark	8,104	8,104					8,104								
Clinton	2,132,991	2,115,834	67,032		200,000	400,000	500,000	700,000			248,802			17,157	
Crawford	1,975,000	1,865,000	13,000		476,000	390,000	796,000			190,000				110,000	
Darke	253,210	253,210	210			58,000	43,000	152,000							
Delaware	4,163,000	4,160,000	31,000		835,000	341,000	2,924,000				29,000	2,000		1,000	
Erie	8,136,648	8,037,648	77,802		2,437,912	522,530	2,161,151	189,483	236,773		2,411,997			99,000	
Fayette	112,452	112,452									112,452				
Franklin	6,456,125	6,456,125			1,300,000	1,300,000	1,800,000	1,700,000			356,125				
Greene	2,229,730	1,329,730	12		200,000	220,000	400,000	431,609			78,109		900,000		
Guernsey	287,629	287,629					287,629								
Hancock	754,000	754,000	1,000		36,000	173,000	539,000		5,000						
Hardin	855,990	845,990	10,000		180,000	80,000	300,000	110,000			165,990	10,000			
Harrison	100,000	100,000					50,000	50,000							
Highland	1,040,810	1,034,470	31,511			55,809	442,410				504,740			6,340	
Jackson	333,977	333,977									333,977				
Logan	844,117	844,117	32,192		280,750	110,000	152,995	243,958			24,222				
Lucas	3,268,113	3,258,113			200,000	200,000	752,937	400,000			1,705,176			10,000	
Mahoning	3,167,226	2,654,296	23,148		575,926	256,563	1,072,631	268,989	16,834		440,205		512,930		
Marion	956,000	948,000	7,000		106,000	221,000	614,000							8,000	
Mercer	660,902	645,902	10,000		100,000	100,000	100,000	100,000	20,000		215,902			15,000	
Miami	1,412,942	1,360,806	13,971	17,757	320,515	254,995	648,964			104,604				52,136	
Monroe	73,294	73,294					73,294								
Montgomery	1,049,560	949,560			200,000	200,000	200,000	200,000			149,560		100,000		
Muskingum	1,674,415	1,674,415	2,188		200,000	300,000	898,769	200,000			73,458				
Noble	178,676	178,676	98,413				59,043				21,220				
Ottawa	6,204,951	5,894,231	58,770	225,554	1,510,463	746,775	3,083,189	50,000		50,000	169,480				310,720
Paulding	1,962,419	1,301,357	21,461		150,000	150,000	336,661	323,131			320,104		606,745	54,317	
Pickaway	394,600	394,600	4,000		60,000	140,000	100,000	30,000	10,000		50,600				
Pike	378,400	378,400	13,000		100,000		100,000	100,000	10,000		55,400				
Preble	100,722	93,760	16,414				77,346					6,962			
Putnam	472,714	467,714	14,293		75,711	16,000	361,710							5,000	
Ross	508,860	508,860					300,000	175,000			33,860				
Sandusky	3,093,936	895,455					745,455				150,000	510		5,621	2,192,350
Seneca	2,811,570	2,031,923	12,765		79,127	505,100	643,514	500,000	70,000	221,417		6,738		72,909	700,000

Shelby	871,967	871,967	19,816				852,151								
Stark	43,706	43,706					43,706								
Tuscarawas	269,851	269,851	12,919				256,932								
Union	2,217,500	2,217,500			480,000	550,000	550,000	470,000			167,500				
Van Wert	487,526	477,526	50,000		60,000	46,000	56,400	63,500			201,626			10,000	
Vinton	315,755	315,755									315,755				
Wood	2,470,634	2,459,230	58,875		325,089	522,123	815,155	250,000		33,942	454,046			11,404	
Wyandot	4,892,824	4,754,824	63,000	144,000	1,367,000	894,000	1,083,000	342,000	27,000	211,000	623,824			127,000	11,000
TOTAL	75,851,002	69,842,926	822,684	412,151	12,426,320	9,643,683	27,075,166	7,427,333	398,607	820,360	10,816,622	26,210	2,119,675	648,121	3,214,070

SAND AND GRAVEL

Sand and gravel were sold or produced by 192 companies at 278 operations in 60 Ohio counties during 2006. Sales[6] of sand and gravel totaled 47,023,674 tons (–9.9 percent from 2005). Sand accounted for 27,266,797 tons of the total sand and gravel sold, and gravel accounted for 19,759,877 tons. Butler, Stark, Hamilton, Portage, and Franklin Counties led in sales, accounting for 46.0 percent of the total. Reported known production of sand and gravel totaled 47,753,217 tons in 2006. Ohio ranks 5th nationally in the production of construction sand and gravel out of 50 producing states and Puerto Rico. The top five states, in descending order of production, are California, Texas, Arizona, Michigan, and Ohio. Ohio ranks 9th nationally in the production of industrial sand and gravel out of 34 producing states. The states leading Ohio in the production of industrial sand and gravel, in descending order, are Illinois, Texas, Wisconsin, California, New Jersey, Michigan, Oklahoma and Minnesota. Ohio ranks 7th nationally in the production of aggregates, including crushed stone. The states leading Ohio in the production of aggregates are California, Texas, Florida, Illinois, Missouri, and Pennsylvania.[6]

No sand was reported dredged from Lake Erie in 2006. The Maumee Bay and Maumee River areas are no longer producing sand or gravel.

The total value[7] of sand and gravel sold in 2006 was $257,962,575. Average price per ton was $5.49.

An annual average of 1,094 employees worked an average of 152 days in 2006 to produce sand and gravel. Total wages of $69,486,802 were paid to a total of 1,605 employees (1,094 production employees and 511 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $43,267. An additional 71 people (46 production employees and 25 nonproduction employees) were employed by operations mining sand and gravel along with one or more other mineral commodities.

Ohio sand and gravel were mainly used for building materials, portland cement concrete, asphaltic concrete, and road construction/resurfacing in 2006.

[6]Information from the U.S. Geological Survey.
[7]Includes reported and estimated values. See footnote 1, p. 1.

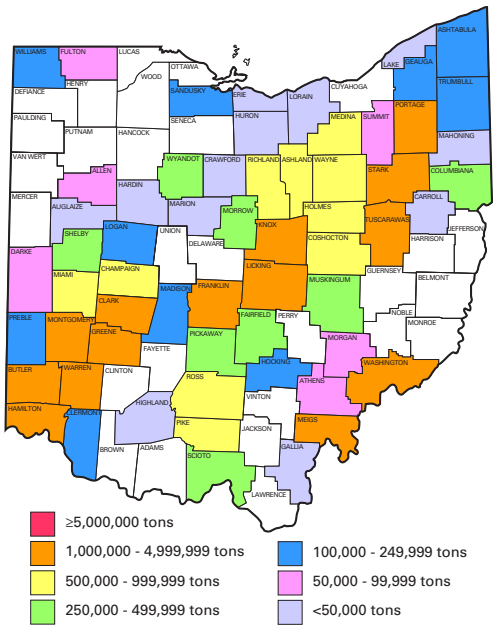

FIGURE 6.—Sales of sand and gravel in Ohio in 2006, by county.

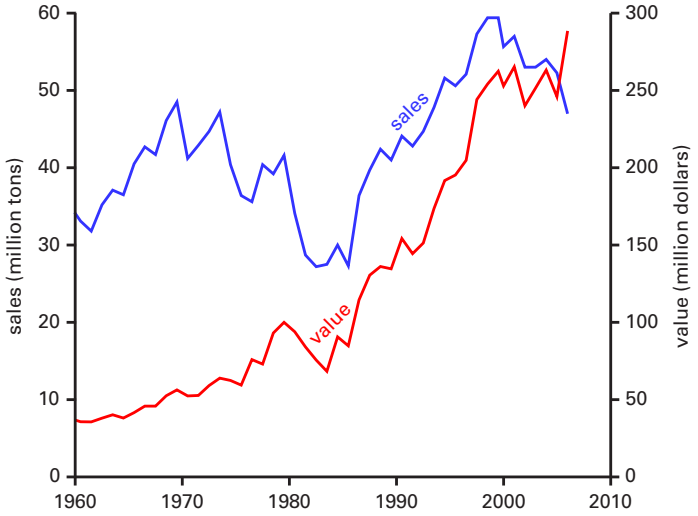

FIGURE 7.—Sales and value of sand and gravel in Ohio. Sales and values from 1984 to 2005 include Lake Erie dredged material.

TABLE 15.—*2006 Ohio sand and gravel sales, by county and type*

County	Tons sold																
	Total sand and gravel	Total sand	Total gravel	Building		Portland cement concrete		Asphaltic concrete		Road construction/ resurfacing		Filtration		Foundry sand	Industrial sand	Other/unspecified	
				Sand	Gravel	Sand	Gravel	Sand	Gravel	Sand	Gravel	Sand	Gravel			Sand	Gravel
Allen	50,158	44,240	5,918	1,215	483	20,854		6,591		1,028	971	3,176	76			11,376	4,388
Ashland	528,125	197,938	330,187	104,933	167,680					79,720	137,507					13,285	25,000
Ashtabula	230,590	95,295	135,295	56,618	48,344			2,000		14,268	38,452	20,725	46,914			1,684	1,585
Athens	59,702	24,721	34,981			2,000	1,000	4,000	5,000	8,000	8,000					10,721	20,981
Auglaize	15,408	11,112	4,296	2,340	4,296	8,772											
Butler	4,737,791	2,796,465	1,941,326	1,040,447	895,786	487,915	269,548	395,991	157,692	360,000	331,014					512,112	287,286
Carroll	26,150	16,000	10,150	15,000	10,000					1,000	150						
Champaign	663,897	280,501	383,396	30,024	121,009	98,000	52,000	20,000	20,000	30,062	30,048	10,000	10,000			92,415	150,339
Clark	1,889,052	909,696	979,356	224,795	309,650	204,829	202,122	260,255	255,031	120,000	137,621	21,113	25,778			78,704	49,154
Clermont	152,762	98,749	54,013	12,474	9,149			86,275	44,864								
Columbiana	262,410	97,484	164,926	48,600	58,434			10,268		4,023	10,442	1,000	41,532			33,593	54,518
Coshocton	542,436	293,444	248,992	69,301	67,764	40,000	20,000	60,000	40,000	90,066	93,004	10,589	10,498			23,488	17,726
Crawford	88	88														88	
Darke	98,482	54,165	44,317	542	21,272	26,540	23,045								27,083		
Erie	911	168	743													168	743
Fairfield	446,964	329,141	117,823	70,000	20,000	70,000	20,000	70,000	20,000	70,000	40,000	10,000				39,141	17,823
Franklin	3,499,165	2,012,744	1,486,421	395,478	744,610	1,001,000	196,000	526,266	423,222	50,000	80,000	10,000	10,000			30,000	32,589
Fulton	99,487	99,487		60,536												38,951	
Gallia	7,520	7,520										1,840				5,680	
Geauga	178,695	132,718	45,977	22,000	31,000	80,000				30,147	11,977					571	3,000
Greene	1,708,019	873,687	834,332	251,295	392,920	157,661	96,587	136,101	110,446	103,341	33,341					225,289	201,038
Hamilton	4,539,428	2,826,078	1,713,350	1,775,351	1,214,361	288,179	103,126	288,178	101,591	343,000	167,713	850	27,000			130,520	99,559
Hardin	8		8														8
Highland	9,000	4,500	4,500	4,500	4,500												
Hocking	227,880	174,974	52,906			63,226	23,924	57,232	17,590	21,134	9,017	9,703				23,679	2,375
Holmes	717,769	393,473	324,296	14,120	117,718	111,610	29,818	135,313	27,480	102,428	117,438	18,552	18,763			11,450	13,079
Huron	585		585														585
Knox	1,125,144	542,265	582,879	242,733	269,918	121,000	18,000	145,000	176,000	33,507	118,936					25	25
Lake	1,000	1,000														1,000	
Licking	1,096,464	646,075	450,389	158,000	191,000	170,000	65,000	167,000	68,000	115,000	104,000	11,000	1,000			25,075	21,389
Logan	121,048	84,735	36,313	2,010		7,562		625			410	150				74,388	35,903
Lorain	4,500	4,500		4,500													
Madison	192,950	88,814	104,136	18,077	104,136			70,737									
Mahoning	2,500	2,300	200													2,300	200
Marion	23,943	13,114	10,829	13,114	7,854												2,975
Medina	986,950	556,700	430,250	6,000	333,000	370,300		66,700	18,000		70,000	2,000	9,250		25,700	86,000	
Meigs	1,797,213	1,288,655	508,558	90,521	36,458	123,413	48,799	279,835	133,139	134,858	74,970	32,891	17,342			627,137	197,850
Miami	532,385	343,386	188,999	89,373	102,940	76,722	20,000	70,000	20,000	70,000	20,000					37,291	26,059
Montgomery	1,057,692	382,649	675,043	182,390	131,568	111,741	183,724	60,000	120,000	216	87,016		8,811			28,302	143,924
Morgan	52,800	62	52,738	62													52,738

TABLE 15.—*2006 Ohio sand and gravel sales, by county and type* (cont.)

County	Tons sold																
	Total sand and gravel	Total sand	Total gravel	Building		Portland cement concrete		Asphaltic concrete		Road construction/ resurfacing		Filtration		Foundry sand	Industrial sand	Other/unspecified	
				Sand	Gravel	Sand	Gravel	Sand	Gravel	Sand	Gravel	Sand	Gravel			Sand	Gravel
Morrow	283,117	103,232	179,885	83,432	99,768						63,485	19,800	10,171				6,461
Muskingum	451,186	327,741	123,445	57,847	19,667	30,000	10,000	60,498	21,048	44,189	23,978	10,000	10,000			125,207	38,752
Pickaway	394,161	125,687	268,474	8,000	75,138	25,000		55,000	55,000	1,745	33,005					35,942	105,331
Pike	514,150	435,653	78,497	21,000	13,000	12,716					9,891					401,937	55,606
Portage	4,207,073	2,866,537	1,340,536	912,947	524,609	663,870	302,536	359,735	75,037	46,175	31,772	10,000	11,343			873,810	395,239
Preble	181,208	44,512	136,696	1,505	538											43,007	136,158
Richland	669,433	319,959	349,474	148,373	213,513		66	53,590	23,190	19,642	12,781					98,354	99,924
Ross	699,017	395,786	303,231	80,265	77,623	90,192	61,203	96,574	94,449	50,000	40,713	10,000	10,000			68,755	19,243
Sandusky	150,000	75,000	75,000													75,000	75,000
Scioto	287,793	158,227	129,566	33,759	40,104	68,389	33,939	15,000	15,000	15,000	25,000					26,079	15,523
Shelby	444,385	172,024	272,361			93,906	139,725	57,909	57,664	18,644	68,318	1,565	6,654				
Stark	4,639,184	2,541,089	2,098,095	68,840	193,803	255,136	105,586	524,131	708,079	1,164,835	634,772	10,000	10,000			518,147	445,855
Summit	88,236	63,160	25,076					43,802	19,491	64						19,294	5,585
Trumbull	131,415	102,473	28,942	25,198	28,942	51,936		14,007								11,332	
Tuscarawas	1,849,395	995,796	853,599	380,145	243,418	19,037	132,904	232,824	115,870	274,440	214,630		82,968		18,679	70,671	63,809
Warren	1,621,943	816,881	805,062	244,410	271,188	50,000	20,000	50,000	20,000	210,000	180,075					262,471	313,799
Washington	1,414,471	823,333	591,138	124,194	90,000	120,000	90,000	140,708	90,000	344,983	212,032	10,000	5,000			83,448	104,106
Wayne	662,582	276,742	385,840	41,860	176,150	78,100	22,180	99,560	48,790	42,260	119,360	7,850	13,307			7,112	6,053
Williams	233,987	153,552	80,435	111,557	38,439											41,995	41,996
Wyandot	413,867	209,648	204,219	92,114	87,627	28,000		84,000			26,000	5,534	89,592				1,000
TOTAL	47,023,674	26,735,675	20,287,999	7,441,795	7,609,377	5,227,606	2,290,832	4,805,705	3,101,673	4,013,775	3,417,839	248,338	475,999		71,462	4,926,994	3,392,279

SANDSTONE AND CONGLOMERATE

Sandstone and conglomerate were sold or produced by 21 companies at 29 operations in 17 Ohio counties during 2006. Sales totaled 1,749,436 tons (–8.0 percent from 2005). Geauga, Perry, Knox, Lake, and Pike Counties accounted for 83.5 percent of the total sales. Crushed sandstone and conglomerate accounted for 1,681,308 tons of the total sales, and dimension stone accounted for 68,128 tons. Reported known production of sandstone and conglomerate was 1,899,588 tons in 2006. Ohio ranks 12th nationally in production of all dimension stone out of 35 producing states. Ohio ranks 3rd in the production of sandstone dimension stone. The top five states, in descending order of total dimension-stone production, are Wisconsin, Georgia, Indiana, Vermont, and Massachusetts.[8] National standings for crushed stone are included in the Limestone and Dolomite section of this report.

The total value[9] of sandstone and conglomerate sold in 2006 was $43,580,390. Average price per ton was $23.18 for crushed stone and $48.37 for dimension stone.

An annual average of 133 employees worked an average of 171 days in 2006 to produce sandstone and conglomerate. Total wages of $8,237,725 were paid to a total of 215 employees (133 production employees and 82 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $38,315. An additional 36 people (25 production employees and 11 nonproduction employees) were employed by operations mining sandstone and conglomerate along with one or more other mineral commodities.

Crushed sandstone was used primarily for glass sand, construction, aggregate, industrial sand and foundry sand. Dimension stone was used primarily for rough construction purposes.

[8]Information from U.S. Geological Survey.
[9]Includes reported and estimated values. See footnote 1, p. 1.

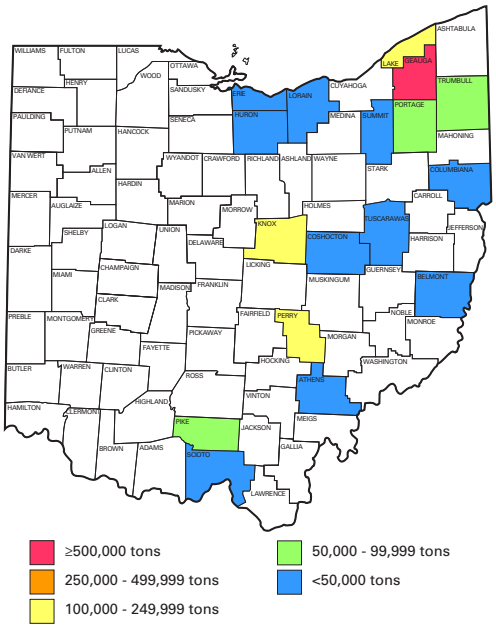

FIGURE 8.—Sales of sandstone and conglomerate in Ohio in 2006, by county.

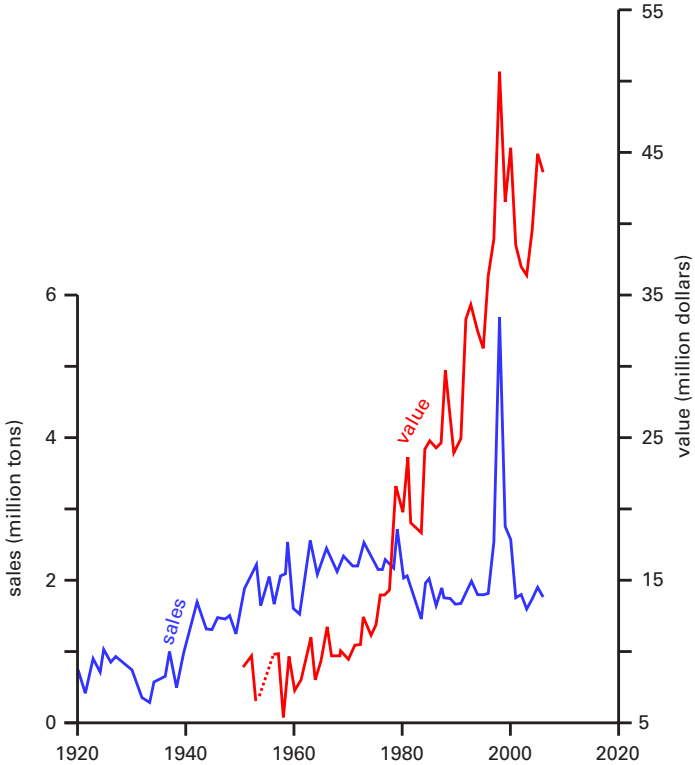

FIGURE 9.—Sales and value of sandstone and conglomerate. Value line dashed where data not available.

TABLE 16.—*2006 Ohio sales of crushed sandstone and conglomerate, by county and type*

County	Tons sold														
	Total	Foundry sand	Glass sand	Metallurgical pebble	Refractory	Riprap	Aggregate	Silica flour	Polishing/grinding sand	Fire and furnace sand	Engine sand	Frac sand	Construction	Industrial sand	Other/unspecified
Athens	6,000					6,000									
Belmont	3,420					3,420									
Columbiana	29,592						19,868						9,724		
Geauga	846,527	85,326	176,072		33,928		30,000		8,548		7,978	26,641	144,840	104,201	228,993
Knox	152,883	8,102	42,989									1,686	8,000	32,914	59,192
Lake	119,449						74,998					44,451			
Lorain	8,320					8,320									
Perry	247,740	29,500	116,810					88,223				13,207			
Pike	93,987	18			355		9,471						72	24,052	60,019
Portage	78,204						78,204								
Summit	328					328									
Trumbull	62,947					61							62,886		
Tuscarawas	31,911	7,748					200						23,963		
TOTAL	1,681,308	130,694	335,871		34,283	18,129	212,741	88,223	8,548		7,978	85,985	249,485	161,167	348,204

TABLE 17.—*2006 Ohio sales of dimension sandstone, by county and type*

County	Tons sold									
	Total	Refractory	Rough construction	Rubble	Grindstones	Rough architectural	Finished	Curbing	Flagging	Other/unspecified
Coshocton	15,638		15,638							
Erie	11,910		8,863	432			2,615			
Huron	28,515		28,515							
Scioto	8,678		8,678							
Summit	2,362									2,362
Trumbull	185									185
Tuscarawas	840									840
TOTAL	68,128		61,694	432			2,615			3,387

CLAY

Clay was sold or produced by 26 companies at 33 operations in 18 Ohio counties during 2006. Clay sales (including material for captive use) totaled 1,032,183 tons (+19.3 percent from 2005); Stark, Tuscarawas, Ashtabula, Lucas, and Jackson Counties accounted for 84.4 percent of the total sales. National rankings for clay are included in the Shale section of this report. Reported known production of clay was 967,282 tons. The total value[10] of clay sold (including material for captive use) in 2006 was $7,602,709. Average price per ton was $7.37.

An annual average of 20 employees worked an average of 129 days in 2006 mining clay. Total wages of $785,168 were paid to a total of 31 employees (20 production employees and 11 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $25,328. An additional 60 people (45 production employees and 15 nonproduction employees) were employed by operations, that mined clay with one or more other mineral commodities.

Clay mined in Ohio in 2006 was used largely for captive use in the production of common clay products such as building bricks, and was used in the landfill industry and for construction.

[10]Includes reported and estimated values. See footnote 1, p. 1.

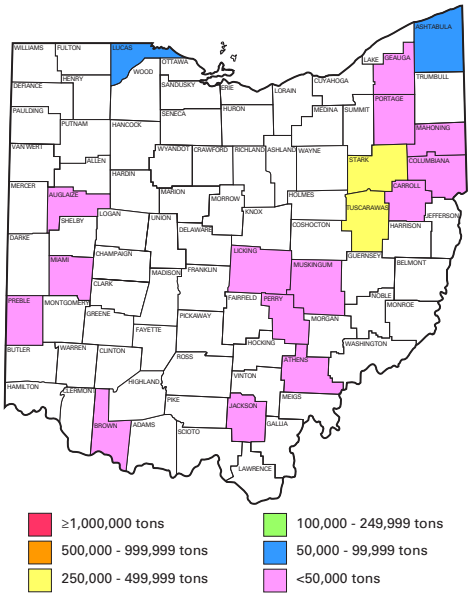

FIGURE 10.—Clay sales in Ohio in 2006, by county.

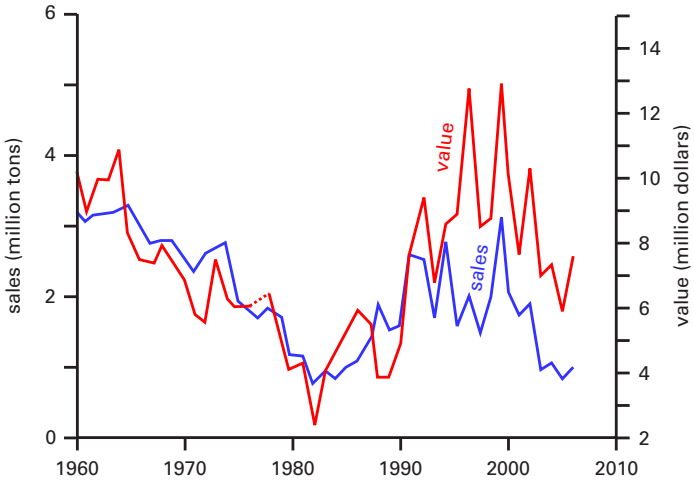

FIGURE 11.—Sales and value of clay in Ohio. Value line dashed where data not available.

TABLE 18.—*2006 Ohio clay sales, by county and type*

County	Tons sold								
	Total	Common clay products	Stoneware	Vitrified products	Cement manufacture	Refractories	Construction	Landfill use	Other/ unspecified
Ashtabula	95,262						19,000		76,262
Athens	28,220						20,220	8,000	
Auglaize	5,104	5,104							
Brown	30,906							30,906	
Carroll	726	726							
Columbiana	2,543	2,543							
Geauga	2,587						2,587		
Jackson	45,345	38,259				7,086			
Licking	11,055							11,055	
Lucas	64,980						600	64,380	
Mahoning	5,879					5,879			
Miami	216						216		
Muskingum	12,656	12,656							
Perry	44,000	44,000							
Portage	11,214						11,214		
Preble	986						986		
Stark	353,176	7,470						345,706	
Tuscarawas	317,328	274,294	16,799					26,235	
TOTAL	1,032,183	385,052	16,799			12,965	54,823	486,282	76,262

SHALE

Shale was sold or produced by 18 companies at 22 operations in 14 Ohio counties during 2006. Shale sales (including material for captive use) totaled 1,232,984 tons (+3.4 percent from 2005); Marion, Tuscarawas, Cuyahoga, Paulding and Brown Counties accounted for 84.7 percent of the total sales. Reported production of shale in 2006 was 1,232,984 tons. Ohio ranks 7th nationally in the production of common clay and shale out of 42 producing states. The states leading Ohio are Georgia, Wyoming, Texas, North Carolina, Alabama, and Missouri.[11] The total value[12] of shale sold (including material for captive use) in 2006 was $7,315,146. Average price per ton was $5.93.

An annual average of 48 employees worked an average of 173 days in 2006 mining shale. Total wages of $2,990,880 were paid to a total of 80 employees (48 production employees and 32 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $37,386. An additional 20 people (13 production employees and 7 nonproduction employees) were employed by operations that mined shale with one or more other mineral commodities.

Shale mined in Ohio in 2006 was largely for captive use in the production of common clay products such as building bricks, for lightweight aggregate, and was used in the landfill industry and for cement manufacture.

[11]Information from U.S. Geological Survey.
[12]Includes reported and estimated values. See footnote 1, p. 1.

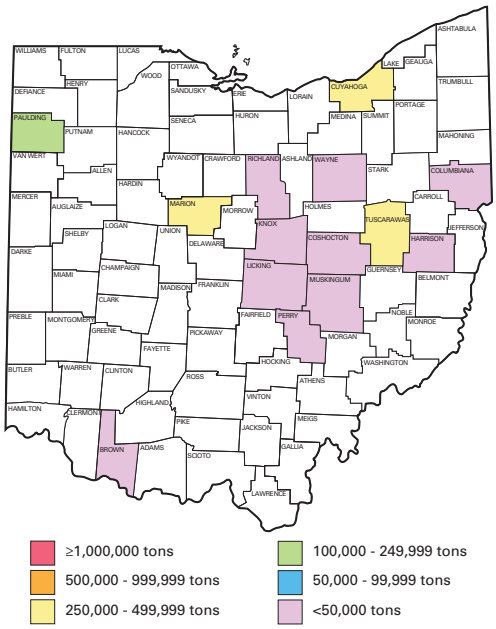

FIGURE 12.—Shale sales in Ohio in 2006, by county.

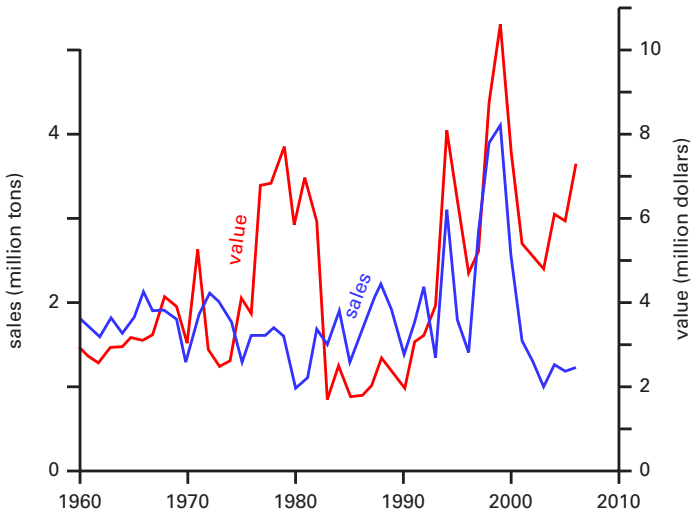

FIGURE 13.—Sales and value of shale in Ohio.

TABLE 19.—*2006 Ohio shale sales, by county and type*

County	Tons sold							
	Total	Common clay products	Vitrified products	Cement manufacture	Lightweight aggregate	Construction	Landfill use	Other/ unspecified
Brown	47,583						47,583	
Columbiana	22,994	21,550				1,444		
Coshocton	5,521					5,521		
Cuyahoga	251,219				251,219			
Harrison	33,000		33,000					
Knox	6,834	6,834						
Licking	44,268	44,268						
Marion	310,000	310,000						
Muskingum	5,000					5,000		
Paulding	140,588			140,588				
Perry	37,000	37,000						
Richland	31,425	31,425						
Tuscarawas	295,227	201,991					93,236	
Wayne	2,325					2,000		325
TOTAL	1,232,984	653,068	33,000	140,588	251,219	13,965	140,819	325

SALT

Salt was produced by 3 companies at 5 operations in 5 Ohio counties during 2006. Total tonnage of salt sold in 2006 amounted to 4,344,473 tons (–15.9 percent from 2005). Rock salt sales totaled 3,567,814 tons from 2 underground mines, one in Cuyahoga County and one in Lake County. Three brining operations, one each in Licking, Summit, and Wayne Counties, sold a total of 6,728 tons of salt in brine and 769,931 tons of evaporated salt. Reported known production of salt was 4,748,392 tons in 2006. The top five salt-producing states nationally are Louisiana, Texas, New York, Ohio, and Kansas.[13]

The total value[14] of the salt sold in 2006 was $104,154,099. Average price per ton of rock salt was $14.50 and of salt in brine and evaporated salt was $68.02. The average price per ton of all salt sold was $23.97.

An annual average of 242 employees worked an average of 241 days in 2006 to produce salt. Total wages of $18,724,688 were paid to a total of 421 employees (242 production employees and 179 nonproduction employees). The average annual wage, based on those employees for whom wages were reported, was $44,477. The primary use for Ohio salt was ice control. Salt was also used as an additive in animal feed, and as a commercial and residential water-softening agent; it was also used for cattle blocks.

[13]Information from U.S. Geological Survey.
[14]Includes reported and estimated values. See footnote 1, p. 1.

GYPSUM

There was no gypsum production or sales reported in 2006.

PEAT

There was no peat production or sales reported in 2006.

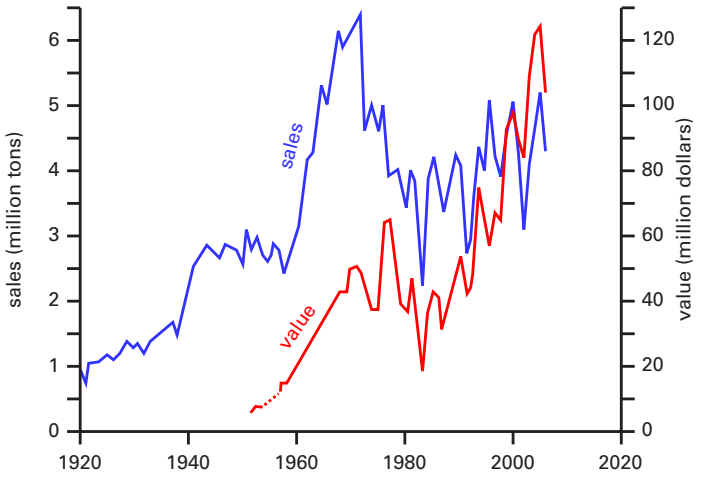

FIGURE 14.—Sales and value of salt in Ohio. Value line dashed where data not available.

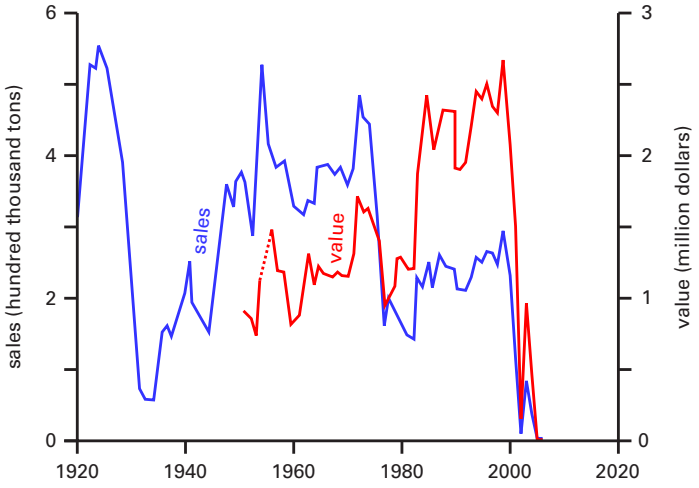

FIGURE 15.—Sales and value of gypsum in Ohio. Value line dashed where data not available. Some sales and values were estimated because actual sales and values were not reported in order to maintain confidentiality.

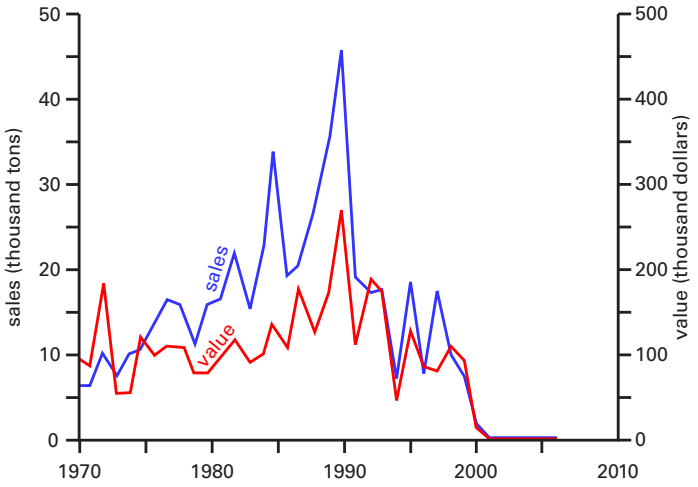

FIGURE 16.—Sales and value of peat in Ohio.

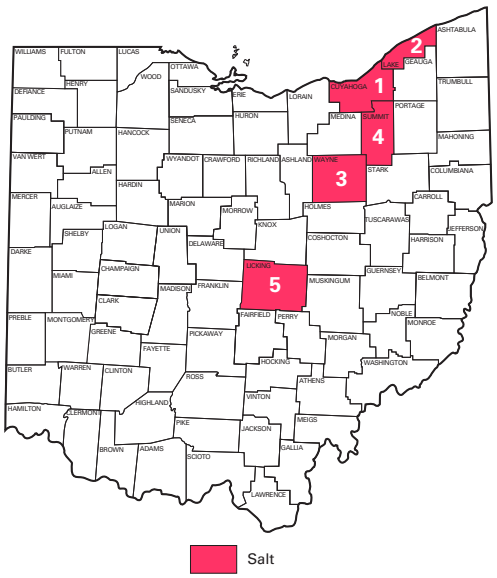

FIGURE 17.—Counties producing salt in Ohio in 2006 and their ranking in sales.

OIL AND GAS

This information is summarized from the 2006 Ohio Department of Natural Resources, Division of Mineral Resources Management Annual Report.

The Division of Mineral Resources Management estimates that 952 wells were drilled in 2006, an increase of 228 wells from 2005. Wells were drilled in 42 of Ohio's 88 counties, a decrease of 5 counties from 2005. The top 10 counties for the number of new wells drilled in 2006, in descending order, were Monroe, Stark, Cuyahoga, Muskingum, Tuscarawas, Guernsey, Geauga, Coshocton, Lake, and Noble. The Division received 765 well completion reports; 722 wells were productive and 43 were dry holes for a completion rate of 94 percent.

The total reported crude oil production in Ohio in 2006 was 5,422,194 barrels, a 4.1 percent decrease from 2005. Through 2006, Ohio wells have produced 1,115,725,579 barrels of crude oil. The dollar value of crude oil produced in Ohio in 2006 was $338,507,571, an increase of 12.9 percent. Average price per barrel in 2006 was $62.43, a 17.7 percent increase from the 2005 price.

Natural gas production in Ohio in 2006 was 86,315,100 MCF, a 2.6 percent increase from 2005. This production figure includes an estimated 854,605 MCF of gas used on lease property. Through 2006, Ohio wells have produced a cumulative total of 8,180,199,558 MCF of natural gas. The dollar value of natural gas produced in Ohio in 2006 was $668,942,025, a decrease of 11.9 percent from 2005. The value of the estimated volume of gas used on lease property was not used in computing the total dollar value. The average price per MCF in 2006 was $7.75, a decrease of $1.28 per MCF from 2005.

The combined total value of Ohio oil and gas production in 2006 was $1,007,449,596, a decrease of 4.9 percent from 2005.

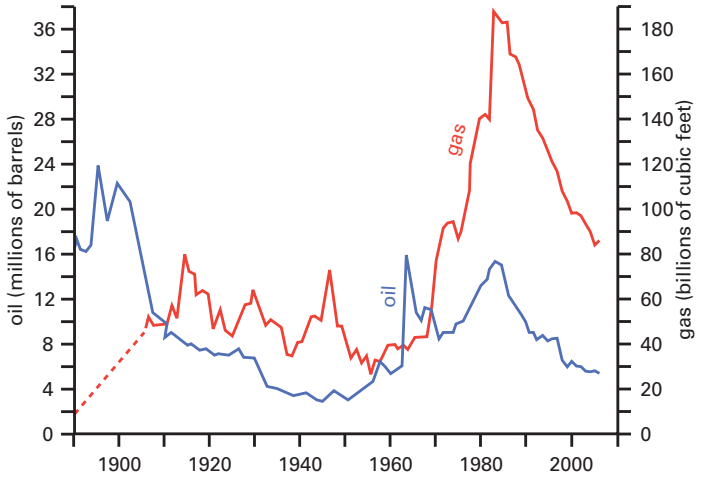

FIGURE 18.—Production of oil and gas in Ohio. Gas line dashed where data not available.

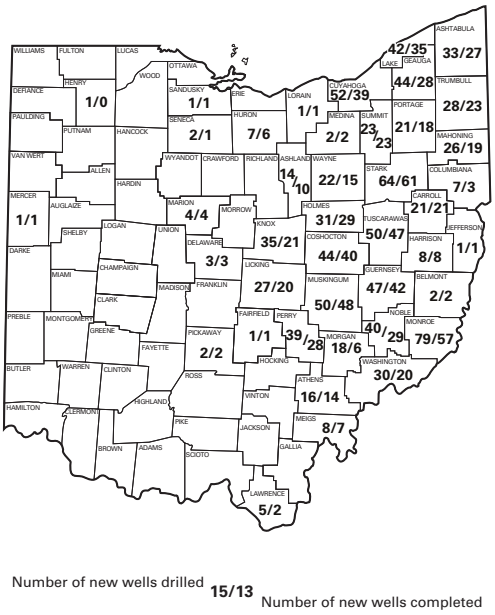

FIGURE 19.—New wells drilled (and completed) for oil and gas in 2006, by county.

TABLE 20.—*2006 Ohio summary of new oil and gas well completions, by county*

County[1]	Development wells		Exploratory wells		Total wells	Percent productive	Drilled footage		
	Productive	Dry	Productive	Dry			Productive	Dry	Total
Ashland	9	1	0	0	10	90	8,963	820	9,783
Ashtabula	27	0	0	0	27	100	97,554		97,554
Athens	14	0	0	0	14	100	43,145		43,145
Belmont	1	0	1	0	2	100	13,768		13,768
Carroll	21	0	0	0	21	100	116,251		116,251
Columbiana	3	0	0	0	3	100	16,239		16,239
Coshocton	37	1	1	1	40	95	161,656	9,189	170,845
Cuyahoga	33	1	5	0	39	97	135,374	3,490	138,864
Delaware	1	0	2	0	3	100	9,995		9,995
Fairfield	1	0	0	0	1	100	4,090		4,090
Geauga	28	0	0	0	28	100	114,865		114,865
Guernsey	36	5	1	0	42	88	210,255	32,838	243,093
Harrison	8	0	0	0	8	100	14,681		14,681
Holmes	28	0	0	1	29	97	119,170	6,063	125,233
Huron	0	3	1	2	6	17	566	17,644	18,210
Jefferson	1	0	0	0	1	100	5,025		5,025
Knox	17	3	1	0	21	86	53,754	9,198	62,952
Lake	34	0	1	0	35	100	116,499		116,499
Lawrence	0	1	0	1	2	0		6,941	6,941
Licking	18	0	1	1	20	95	53,005	4,972	57,977
Lorain	0	0	1	0	1	100	400		400
Mahoning	19	0	0	0	19	100	103,140		103,140
Marion	0	0	1	3	4	25	1,760	4,660	6,420
Medina	2	0	0	0	2	100	7,483		7,483
Mercer	1	0	0	0	1	100	1,420		1,420
Meigs	5	0	2	0	7	100	21,583		21,583
Monroe	55	1	1	0	57	98	143,945	862	144,807
Morgan	6	0	0	0	6	100	11,204		11,204
Muskingum	44	2	0	2	48	92	168,459	25,129	193,588
Noble	27	0	1	1	29	97	79,931	4,850	84,781
Perry	24	2	0	2	28	86	51,501	9,370	60,871
Pickaway	1	0	1	0	2	100	4,881		4,881
Portage	18	0	0	0	18	100	79,247		79,247
Sandusky	0	1	0	0	1	0		2,290	2,290
Seneca	0	0	0	1	1	0		2,711	2,711
Stark	60	0	1	0	61	100	298,549		298,549
Summit	23	0	0	0	23	100	93,066		93,066
Trumbull	22	0	1	0	23	100	118,976		118,976
Tuscarawas	41	5	1	0	47	89	233,211	36,718	269,929
Washington	14	0	4	2	20	90	82,339	14,446	96,785
Wayne	15	0	0	0	15	100	56,005		56,005
TOTAL	694	26	28	17	765	94	2,851,955	192,191	3,044,146

[1]No wells were drilled in the following counties in 2006: Adams, Allen, Auglaize, Brown, Butler, Champaign, Clark, Clermont, Clinton, Crawford, Darke, Defiance, Erie, Fayette, Franklin, Fulton, Gallia, Greene, Hamilton, Hancock, Henry, Highland, Hocking, Jackson, Logan, Lucas, Madison, Miami, Montgomery, Ottawa, Paulding, Pike, Preble, Putnam, Richland, Ross, Scioto, Shelby, Van Wert, Vinton, Warren, Williams, Wood, and Wyandot.

TABLE 21.—*2006 Ohio summary of new oil and gas well completions, by geologic unit*

Geologic unit	No. of producing wells	No. of dry holes	Total no. of wells	Percent productive	Total footage
Pennsylvanian					
undifferentiated	6	1	7	86	3,850
Upper Mississippian					
undifferentiated	3	0	3	100	4,631
Devonian					
1st & 2nd Berea	50	5	55	91	70,457
Ohio Shale	95	1	96	99	255,162
Oriskany	12	1	13	92	54,409
Silurian					
Salina	1	0	1	100	4,527
"Clinton-Medina"	511	6	517	99	2,244,270
Ordovician					
Trenton/					
Black River	3	4	7	43	15,501
Beekmantown	24	11	35	69	247,940
Cambrian-Ordovician					
Rose Run	9	5	14	64	80,162
Cambrian					
Trempealeau	8	8	16	50	58,265
Precambrian	0	1	1	100	4,972
Total	722	43	765	94	3,044,146

TABLE 22.—*Ohio counties*[1] *and their state mine number abbreviations*[2]

County	*Abbreviation*	*County*	*Abbreviation*	*County*	*Abbreviation*
Adams	Ads	Hamilton	Hmn	Noble	Ne
Allen	An	Hancock	Hk	Ottawa	Oa
Ashland	Ald	Hardin	Hdn	Paulding	Pg
Ashtabula	Asa	Harrison	Hn	Perry	Py
Athens	As	Henry	Hy	Pickaway	Pky
Auglaize	Ae	Highland	Hd	Pike	Pke
Belmont	Bt	Hocking	Hg	Portage	Pe
Brown	Bn	Holmes	Hs	Preble	Pre
Butler	Br	Huron	Hrn	Putnam	Pm
Carroll	Cl	Jackson	Jkn	Richland	Rd
Champaign	Cpn	Jefferson	Jfn	Ross	Rs
Clark	Ck	Knox	Kx	Sandusky	Sy
Clermont	Ct	Lake	Lke	Scioto	So
Clinton	Cln	Lawrence	Le	Seneca	Sa
Columbiana	Ca	Licking	Lg	Shelby	Shy
Coshocton	Cn	Logan	Lgn	Stark	Sk
Crawford	Cd	Lorain	Ln	Summit	St
Cuyahoga	Cya	Lucas	Ls	Trumbull	Tl
Darke	Dke	Madison	Mdn	Tuscarawas	Ts
Defiance	De	Mahoning	Mg	Union	Un
Delaware	Del	Marion	Mn	Van Wert	Vt
Erie	Ee	Medina	Ma	Vinton	Vn
Fairfield	Fd	Meigs	Ms	Warren	Wan
Fayette	Fe	Mercer	Mr	Washington	Wn
Franklin	Fn	Miami	Mi	Wayne	We
Fulton	Ftn	Monroe	Me	Williams	Ws
Gallia	Ga	Montgomery	My	Wood	Wd
Geauga	Gea	Morgan	Mon	Wyandot	Wt
Greene	Ge	Morrow	Mw		
Guernsey	Gy	Muskingum	Mum		

[1]Henry and Defiance Counties reported no production or sales of mineral commodities in 2006.
[2]As used for State of Ohio mine numbers.

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2006 COAL COMPANIES WITH SALES OR PRODUCTION

Company	Number of mines	Production (tons)	Sales (tons)
American Energy Corp.	1	6,441,767	6,442,015
Amerikohl Mining, Inc.	1	153,859	153,859
Anthony Mining Co., Inc.	5	214,951	214,951
B & N Coal, Inc.	4	416,399	416,399
Belden Brick Co.	2	17,003	17,003
Blue Jay Enterprises of Tuscarawas County, Inc.	1	1,817	1,817
Buckeye Industrial Mining Co.	8	837,735	837,735
Buckingham Coal Co., Inc.	3	1,161,129	1,161,663
CAM Ohio, LLC	2	1,650,171	1,607,604
Cedar Heights Clay Co.	1	5,781	5,781
CONSOL Energy, Inc.	1	122,961	191,235
Cravat Coal Co.	8	666,084	667,014
D. & D. Mining Co.	1	8,131	8,131
Daron Coal Co., Inc.	1	338,735	339,803
ENZ, Inc.	1	29,745	29,745
F. & M. Coal Co.	1	13,966	13,966
Kimble Clay & Limestone Co.	6	495,031	495,031
L & M Mineral Co.	1	3,747	3,747
Marietta Coal Co.	2	198,583	218,042
Ohio Valley Coal Co.	1	4,363,452	4,222,731
Oxford Mining Co., Inc.	19	3,177,500	3,181,500
Red Malcuit, Inc.	1	2,400	2,400
Republic Services, Inc.	1	11,618	11,618
Rosebud Mining Co.	1	447,976	447,976
Sands Hill Coal Co., Inc.	2	532,705	532,705
Schaney Mining	1	1,422	1,422
Sidwell Materials, Inc.	1	2,006	2,006
Solomon's Mines, Inc.	1	823	823
Sterling Mining Co.	3	736,303	736,303
Thompson Bros. Mining Co.	1	228	228
Valley Mining, Inc.	2	209,246	209,246
Waterloo Coal Co., Inc.	1	455,668	455,668
Total: 32 companies	85	22,718,942	22,630,167

2006 OHIO ALPHABETICAL DIRECTORY OF PRODUCING COAL-MINE OPERATORS

For those mines that have not been assigned a state mine number, a letter designation is used (example: Bt-C).
The designation (u) indicates an underground mine.
To convert short tons to metric tons, multiply the given tonnage by 0.907185.

Name, address, telephone number, and president/ owner/ manager of company	Name of mine	County	2006 production (tons)	State mine number	Mining and reclamation permit number
American Energy Corp. 43521 Mayhugh Hill Rd., Twp. Rd. 88 Beallsville, OH 43950 740-795-5220 Robert E. Murray, pres.	Century Mine (u)	Belmont, Monroe	6,441,767	Bt-67	D-0425
Amerikohl Mining, Inc. 202 Sunset Dr. Butler, PA 16001 724-282-2339 John M. Stilley, pres.	Fife	Columbiana	153,859	Ca-A2	D-2233
Anthony Mining Co., Inc. P.O. Box 1298 Steubenville, OH 43952 740-266-8100 Albert Carapelotti, pres.	Carson Adjacent	Harrison	101,845	Hn-766	D-1041
	Cherry Valley	Harrison	14,506	Hn-767	D-1124
	Patton-Mader	Harrison	934	Hn-A	D-2281
	Morelli-Porter	Harrison	11,500	Hn-C2	D-1170
	Lions Club Adjacent	Jefferson	86,166	Jfn-AN	D-1173
B & N Coal, Inc. P.O. Box 100 Dexter City, OH 45727 740-783-3575 Carl Baker, Jr., pres.	Ullman Mine	Noble	138,974	Ne-151	D-0807
	Whigville	Noble	96,006	Ne-BN4	D-2157
	Westfork Mine	Noble	94,717	Ne-BN5	D-2218
	Whigville II	Noble	86,702	Ne-BN6	D-2253
Belden Brick Co. P.O. Box 20910 Canton, OH 44701 330-852-2424 Robert F. Belden, pres.	Belden Pit	Tuscarawas	826	Ts-1646	IM-44
	Wallick Pit	Tuscarawas	16,177	Ts-1841	IM-45
Blue Jay Enterprises of Tuscarawas Co., Inc. P.O. Box 641 Zoar, OH 44697 330-874-2048 Leland Ervin, pres.	Blue Jay #1	Tuscarawas	1,817	Ts-BJ	IM-1285
Buckeye Industrial Mining Co. P.O. Box 389 Lisbon, OH 44432 330-337-9511 John C. Grisham, pres.	James South	Carroll	217,745	Cl-B4	D-2229
	Ingledue	Columbiana	7,753	Ca-B1	D-2003
	Henderson	Columbiana	85,763	Ca-B2	D-2162
	McClintock	Columbiana	62,223	Ca-B3	D-2249
	DM #6A & 7 (u)	Jefferson	342,094	Jfn-BI	D-1180
	Close	Stark	23,625	Sk-B	D-1123
	Finnie	Stark	6,558	Sk-B3	D-2062
	Evanich	Stark	91,974	Sk-B8	D-2197
Buckingham Coal Co., Inc. P.O. Box 157 Glouster, OH 45732-0157 740-767-9902 James F. Graham, pres.	Buckingham Mine No. 2 (u)	Athens	799,687	As-B	D-1163
	Buckingham Coal Mine No. 7 (u)	Perry	355,488	Py-B1	D-2223
	Buckingham Mine No. 6 (u)	Perry	5,954	Py-B2	D-2269
CAM Ohio, LLC P.O. Box 176 Cadiz, OH 43907 740-942-8220 David G. Zatezalo, pres.	Hopedale Mine (u)	Harrison	745,667	Hn-169	D-0424
	Nelms Mine- Cadiz Portal (u)	Harrison	904,504	Hn-710	D-0426
Cedar Heights Clay Co. 50 Portsmouth Rd. P.O. Box 295 Oak Hill, OH 45656-0295 740-682-7794 William T. Brown, pres.	Harrison	Jackson	5,781	Jkn-CH2	IM-1302

2006 OHIO ALPHABETICAL DIRECTORY OF PRODUCING COAL-MINE OPERATORS (cont.)

Name, address, telephone number, and president/ owner/ manager of company	Name of mine	County	2006 production (tons)	State mine number	Mining and reclamation permit number
CONSOL Energy, Inc. 1800 Washington Rd. Pittsburgh, PA 15241-1421 412-831-4000 J. Brett Harvey, pres.	Mahoning Valley Mine 937	Harrison	122,961	Hn-700	D-51, D-54, D-334, D-414, D-784
Cravat Coal Co. 40580 Cadiz-Piedmont Rd. Cadiz, OH 43907 740-942-4656 Michael T. Puskarich, pres.	Johnen	Belmont	39,463	Bt-C3	D-2087
	Lady Rend	Belmont	206,066	Bt-C4	D-2210
	OCD	Belmont	119,071	Bt-C6	D-2228
	Mt. Olivett	Belmont	35,552	Bt-C7	D-2259
	Beagle Club	Belmont	56,720	Bt-C8	D-2266
	Carrollton	Carroll	19,068	Cl-M2	D-2014
	Jockey Hollow East	Harrison	145,104	Hn-C7	D-2235
	Jockey Hollow West	Harrison	45,040	Hn-C8	D-2255
D. & D. Mining Co. 3379 E. Garfield Rd. New Springfield, OH 44443 330-549-3127 Donald Thompson, pres.	D. & D. Strip	Mahoning	8,131	Mg-D	D-2164
Daron Coal Co., Inc. 42600 Deersville Ridge Rd. Cadiz, OH 43907 740-942-4392 Chuck Ungurean, pres.	Standingstone Mine	Harrison	338,735	Hn-D	D-1181
ENZ, Inc. P.O. Box 405 Magnolia, OH 44643 330-866-4510 James R. Demuth, pres.	Sickafoose Pit	Stark	29,745	Sk-208	D-1015
F. & M. Coal Co. 3925 County Rd. 56 Toronto, OH 43964 740-544-5203 Edward Fiala, partner	Grabbit Pit	Jefferson	13,966	Jfn-FM1	D-2216
Kimble Clay & Limestone Co. 3596 State Route 39 W Dover, OH 44622-9801 330-343-1226 Keith B. Kimble, pres.	Kimble Clay & Limestone Co.	Stark	33,804	Sk-P	D-2205
	Kimble Clay & Limestone Co.	Tuscarawas	15,534	Ts-1727	IM-9
	Kimble Clay & Limestone Co.	Tuscarawas	38,988	Ts-K4	D-1079
	Kimble Clay & Limestone Co.	Tuscarawas	266,699	Ts-K7	D-2079
	Kimble Clay & Limestone Co.	Tuscarawas	70,003	Ts-K8	D-2226
	Kimble Clay & Limestone Co.	Tuscarawas	70,003	Ts-M	D-2066
L & M Mineral Co. 2010 County Rd. 144 Sugarcreek, OH 44681 330-852-3696 John E. Ling, Jr., pres.	Luikart	Tuscarawas	3,747	Ts-1914	D-0701
Marietta Coal Co. 67705 Friends Church Rd. St. Clairsville, OH 43950 740-695-2197 John Nicolozakes, mgr.	Fox Farms	Belmont	16,981	Bt-M11	D-2149
	Hines/Triple B	Belmont	181,602	Bt-M13	D-2196
Ohio Valley Coal Co. 56854 Pleasant Ridge Rd. Alledonia, OH 43902 740-926-1351 John Forelli, pres.	Powhatan No. 6 (u)	Belmont	4,363,452	Bt-68	D-0360

2006 OHIO ALPHABETICAL DIRECTORY OF PRODUCING COAL-MINE OPERATORS (cont.)

Name, address, telephone number, and president/ owner/ manager of company	Name of mine	County	2006 production (tons)	State mine number	Mining and reclamation permit number
Oxford Mining Co., Inc.	Boswell	Belmont	68,166	Bt-OX	D-0676
544 Chestnut St.	Egypt Valley East	Belmont	39,014	Bt-OX1	D-0680
P.O. Box 427	Barnesville Hospital	Belmont	323,214	Bt-OX2	D-2122
Coshocton, OH 43812	Lafferty	Belmont	111,185	Bt-OX3	D-2198
740-622-6302	Dailey	Columbiana	105,985	Ca-CE2	D-2097
Charles C. Ungurean, pres.	Plainfield	Coshocton	79,542	Cn-H3	D-2178
	Little Africa	Coshocton	22,010	Cn-OX2	D-2202
	Oxford	Coshocton	52,887	Cn-Ox3	D-2265
	Sexton	Harrison	372,982	Hn-C5	D-2161
	Martin	Harrison	353,097	Hn-O	D-2121
	Oxford Mining Co., Inc.	Harrison	14,210	Hn-O1	D-2272
	Adamsville SW	Muskingum	233,038	Mum-OX3	D-2244
	Long-Lefever	Noble	159,072	Ne-O	D-2248
	New Lexington	Perry	73,852	Py-O	D-1086
	Oxford Mining Co., Inc.	Perry	450,668	Py-O1	D-2254
	Stone Creek	Tuscarawas	426,613	Ts-H4	D-1149
	Strasburg Slurry	Tuscarawas	5,786	Ts-HC	D-0981
	Harper	Tuscarawas	147,307	Ts-O	D-2206
	Cole	Tuscarawas	138,872	Ts-O3	D-2245
Red Malcuit, Inc.	RMI #2	Tuscarawas	2,400	Ts-2007	D-0737
707 South Wooster Ave.					
P.O. Box 166					
Strasburg, OH 44680-0166					
330-878-7114					
Mark A. Malcuit, pres.					
Republic Services, Inc.	Countywide RDF	Stark	11,618	Sk-217	D-2169
3619 Gracemont St. SW					
East Sparta, OH 44626					
330-874-3855					
Tim Vandersall, gen. mgr.					
Rosebud Mining Co.	Tusky Mine	Tuscarawas	447,976	Ts-TR	D-2177
301 Market St.					
Kittanning, PA 16201					
724-545-6222					
J. Clifford Forest, pres.					
Sands Hill Coal Co., Inc.	Big Valley	Vinton	355,709	Vn-S4	D-2114
P.O. Box 650	Stanton	Vinton	176,996	Vn-S5	D-2156
Hamden, OH 45634-0650					
740-384-4211					
Bonny C. Huffman, pres.					
Schaney Mining	Kuchan	Harrison	1,422	Hn-SM1	D-2195
47134 Giacobbi Rd.					
Jewett, OH 43986					
740-937-2515					
Melvin Schaney, owner					
Sidwell Materials, Inc.	Bellaire Stone	Belmont	2,006	Bt-1190	IM-1089, D-1061
4620 Limestone Valley Rd.					
Zanesville, OH 43701					
740-849-2394					
Jeffrey R. Sidwell, pres.					
Solomon's Mines, Inc.	Solomon's Mines, Inc.	Columbiana	823	Ca-SM	IM-1258
7732 Salem-Unity Rd.					
Salem, OH 44460					
330-337-0123					
Jack Solomon, pres.					
Sterling Mining Co.	Sterling-West (CH Deep) (u)	Carroll	269,051	Cl-S1	D-2091
10900 South Ave.	Sterling South (u)	Jefferson	452,091	Jfn-ST	D-1019
P.O. Box 217	Sterling-Shinn Hill	Jefferson	15,161	Jfn-ST2	D-2187
North Lima, OH 44452					
330-549-2165					
W. Thomas Mackall, pres.					

2006 OHIO ALPHABETICAL DIRECTORY OF PRODUCING COAL-MINE OPERATORS (cont.)

Name, address, telephone number, and president/ owner/ manager of company	Name of mine	County	2006 production (tons)	State mine number	Mining and reclamation permit number
Thompson Bros. Mining Co. 3379 E. Garfield Rd. New Springfield, OH 44443 330-549-3979 J. E. Thompson, owner	Rapp Mine	Mahoning	228	Mg-T	D-1168
Valley Mining, Inc. 4412 Pleasant Valley Rd. SE Dennison, OH 44621 740-922-3942 Mary J. Brown, pres.	Egypt Valley Hamilton	Belmont Jefferson	165,924 43,322	Bt-VM Jfn-V1	D-1059 D-1156
Waterloo Coal Co., Inc. P.O. Box 626 Jackson, OH 45640 740-286-5633 T. L. Darlington, Jr., pres.	Bowman Strip	Jackson	455,668	Jkn-367	D-0594, D-968, D-1083, D-1167, D-2059

2006 OHIO DIRECTORY OF COAL-PREPARATION PLANTS AND ASSOCIATED FACILITIES, BY COUNTY

For those mines that have not been assigned a state mine number, a letter designation is used (example: Bt-C).

County	Name, address, telephone number, and president/owner/ manager of company	Name of plant	Township	State mine number	Mining and reclamation permit number	Type of facility
Belmont	Cravat Coal Co. 40580 Cadiz-Piedmont Rd. Cadiz, OH 43907 740-942-4656 Michael Puskarich, pres.	Bellaire Dock	Pultney	Bt-876	D-0687	loading dock
	Marietta Coal Co. 67705 Friends Church Rd. St. Clairsville, OH 43950 740-695-2197 John Nicolozakes, mgr.	Loading Dock	Pultney	Bt-936	D-0216	loading dock, prep plant—jig, flotation, centrifugal dryer, crushers, screens
	Ohio Valley Coal Co. 56854 Pleasant Ridge Rd. Alledonia, OH 43902 740-926-1351 John Forelli, pres.	Powhatan #6	Smith, Washington	Bt-68	D-0360	prep plant—jigs, cyclones, centrifuges, thickeners, filters, screens
	Ohio Valley Transloading Co. 56854 Pleasant Ridge Rd. Alledonia, OH 43902 216-765-1240 Robert E. Murray, pres.	Harbour Facility	York	Bt-1198		dock
	Rayle River Coal 67705 Friends Church Rd. St. Clairsville, OH 43950 740-695-2197 George Nicolozakes, pres.	Rayle River Terminal	Pultney	Bt-1191		coal transfer facility
Columbiana	Buckeye Industrial Mining Co. P.O. Box 389 Lisbon, OH 44432 330-337-9511 John C. Grisham, pres.	Kensington Preparation Plant	West	Ca-879	D-0806	prep plant—heavy-media washer, cyclone, centrifuges, breaker
	State Line Resources, Inc. P.O. Box 419 Negley, OH 44441 330-426-9611 Charles H. Muse, Jr., pres.	State Line Resources, Inc.	Middleton	Ca-505	D-0223	prep plant—crushers, cyclones, screens
Coshocton	Conesville Coal Preparation Co. 14561 Twp. Rd. 263 Conesville, OH 43811 740-829-2392 Mike Morris, gen. mgr.	Conesville Coal Preparation Co.	Franklin	Cn-810		prep plant—jig, cyclones, froth cells, flotation, filter press, screens, dryers
	Oxford Mining Co., Inc. 544 Chestnut St. P.O. Box 427 Coshocton, OH 43812 740-622-6302 Charles C. Ungurean, pres.	Lori Tipple	Franklin	Cn-736	D-0671	tipple
Gallia	Sands Hill Coal Co., Inc. P.O. Box 650 Hamden, OH 45634-0650 740-384-4211 Bonny C. Huffman, pres.	Sands Hill Coal Co., Inc.	Addison	Ga-183	D-0834	tipple
	Waterloo Coal Co., Inc. P.O. Box 626 Jackson, OH 45640 740-682-7787 T. L. Darlington, Jr., pres.	Waterloo Dock #1	Addison	Ga-229	D-0725	dock, tipple

2006 OHIO DIRECTORY OF COAL-PREPARATION PLANTS AND ASSOCIATED FACILITIES, BY COUNTY (cont.)

County	Name, address, telephone number, and president/owner/ manager of company	Name of plant	Township	State mine number	Mining and reclamation permit number	Type of facility
Harrison	CAM Ohio, LLC P.O. Box 176 Cadiz, OH 43907 740-942-8220 David G. Zatezalo, pres.	Nelms Prep Plant	Green	Hn-169	D-0424	prep plant—heavy-media vessel, heavy-media cyclones, spirals, dryers, thickeners, crushers, screens
	Cravat Coal Co. 40580 Cadiz-Piedmont Rd. Cadiz, OH 43907 740-942-4656 Michael T. Puskarich, pres.	22 Shop	Moorefield	Hn-230		shop
Jackson	Waterloo Coal Co., Inc. P.O. Box 626 Jackson, OH 45640 740-682-7787 T. L. Darlington, Jr., pres.	Bowman Strip	Jefferson, Madison	Jkn-367	D-0285	prep plant—jig, crushers, breaker, screens, dryers, wash tables
Mahoning	Thompson Bros. Mining Co. 3379 E. Garfield Rd. New Springfield, OH 44443 330-549-3979 J. E. Thompson, owner	Thompson Bros. Mining Co.	Springfield	Mg-588	D-0711	tipple
Meigs	Waterloo Coal Co., Inc. P.O. Box 626 Jackson, OH 45640 740-682-7787 T. L. Darlington, Jr., pres.	Waterloo Dock #3	Salisbury	Ms-285	D-0698	tipple, dock
Scioto	Norfolk Southern Railroad 914 Hayport Rd. Wheelersburg, OH 45694 740-574-8491 Charles G. Howard, asst. to mgr.	NS Wheelersburg Terminal	Porter	So-96		dock
Tuscarawas	Central Fuel Co. County Rd. 55 P.O. Box 165 New Philadelphia, OH 44663 330-339-5049 Keith B. Kimble, gen. mgr.	Central Fuel Co.	York	Ts-1938	D-0264	prep plant—jig, screen, dryers
	Oxford Mining Co. P.O. Box 427 Coshocton, OH 43812 740-622-6302 Charles C. Ungurean, pres.	Strasburg Wash Plant	Franklin, Lawrence	Ts-1942	D-0287	prep plant—jigs, cyclones, centrifuges, crushers, screens, picking tables
		Slurry Wash Plant	Franklin, Lawrence	Ts-HC	D-0981	prep plant—cyclones
Vinton	Sands Hill Coal Co., Inc. P.O. Box 650 Hamden, OH 45634-0650 740-384-4211 Bonny C. Huffman, pres.	Sands Hill Tipple/ Preparation Plant	Clinton	Vn-641	D-0169, D-0309	tipple, prep plant—heavy-media washers, flotation, cyclones, centrifuge, crushers, screens, dryer, picking tables, magnets
	Waterloo Coal Co., Inc. P.O. Box 626 Jackson, OH 45640 740-682-7787 T. L. Darlington, Jr., pres.	Benedict Tipple	Swan	Vn-145	D-0159	tipple
		Dundas Tipple	Clinton	Vn-178	D-0185	tipple

2006 OHIO DIRECTORY OF PRODUCING COAL-MINE OPERATORS, BY COUNTY

NOTE: This directory lists only the coal-producing operations. It does not list tipples, loading docks, preparation plants, or other active, nonproducing operations that would contribute to employment and wage statistics presented in tables 9–10. For those mines that have not been assigned a state mine number, a letter designation is used (example: Bt-C). There is no correlation between the "Seam Number" column and the "Production Tonnage" column. The Seam Number column represents the seam(s) mined at the operation. No production tonnage is listed by seam. Days in production were estimated for those companies not providing this information. To convert short tons to metric tons, multiply the given tonnage by 0.907185.

SEAM IDENTIFICATION OF PRINCIPAL OHIO COALS

1	Sharon	4	Brookville	6A	Lower Freeport	9	Meigs Creek
2	Quakertown	4A	Clarion	7	Upper Freeport	11	Waynesburg
3	Lower Mercer	5	Lower Kittanning	7A	Mahoning	12	Washington
3A	Upper Mercer	5A	Strasburg	8	Pittsburgh	H	Harlem
3B	Tionesta	6	Middle Kittanning	8A	Pomeroy-Redstone	W	Wilgus

Name of company	Name of mine	Township	Seam		Type of mine	Production		Days in production in 2006	Disposition		Employment			State mine number
			Number	Thickness (inches)		Method	Tonnage		Method	Tonnage	Production: Underground	Production: Surface	Non-production	
ATHENS COUNTY—Total production = 799,687														
Buckingham Coal Co., Inc.	Buckingham Mine No. 2	Trimble	6	108	Drift	cont. miner	799,687	293	rail	806,175	42		31	As-B
BELMONT COUNTY—Total production = 7,615,853														
American Energy Corp.	Century Mine	Wayne, Washington	8	63	Drift	longwall cont. miner *Total*	1,654,307 233,130 *1,887,437*	338	rail truck *Total*	1,795,241 92,269 *1,887,510*	103		65	Bt-67[1]
Cravat Coal Co.	Beagle Club	Richland	9 11	42 48	Surface	strip auger *Total*	55,291 1,429 *56,720*	72	truck	56,176		3	1	Bt-C8
	Johnen	Wheeling	8	48	Surface	strip auger *Total*	16,033 23,430 *39,463*	240	truck	39,463		8	3	Bt-C3
	Lady Rend	Kirkwood	8 9	45 43	Surface	strip auger *Total*	173,849 32,217 *206,066*	217	truck water *Total*	1,452 206,088 *207,540*		22	6	Bt-C4
	Mt. Olivett	Warren, Kirkwood	9		Surface	strip auger *Total*	13,543 22,009 *35,552*	66	truck	35,552		18	13	Bt-C7
	OCD	Richland, Wheeling	8	52	Surface	strip auger *Total*	108,464 10,607 *119,071*	116	truck	119,071		14	4	Bt-C6

[1]See also Monroe County.

2006 OHIO DIRECTORY OF PRODUCING COAL-MINE OPERATORS, BY COUNTY (cont.)

Name of company	Name of mine	Township	Seam		Type of mine	Production		Days in production in 2006	Disposition		Employment			State mine number
			Number	Thickness (inches)		Method	Tonnage		Method	Tonnage	Production: Underground	Production: Surface	Non-production	
BELMONT COUNTY (continued)														
Marietta Coal Co.	Fox Farms	Flushing	9	50	Surface	strip	944	110	truck	16,981		4	1	Bt-M11
						auger	16,037							
						Total	*16,981*							
	Hines/Triple B	Goshen, Warren	9	60	Surface	strip	101,385	240	truck	201,061		10	2	Bt-M13
			11	30		auger	80,217							
						Total	*181,602*							
Ohio Valley Coal Co.	Powhatan No. 6	Smith	8	62	Drift	longwall	3,660,896	310	rail	2,453,773	259		309	Bt-68
						cont. miner	702,556		truck	1,768,958				
						Total	*4,363,452*		*Total*	*4,222,731*				
Oxford Mining Co., Inc.	Lafferty	Union	9	37	Surface	strip	97,074	191	truck	115,185		17	2	Bt-OX3
						auger	14,111							
						Total	*111,185*							
	Egypt Valley East	Warren	9	40	Surface	strip	35,271	76	truck	39,014		5	1	Bt-OX1
						auger	3,743							
						Total	*39,014*							
	Barnesville Hospital	Warren	8	50	Surface	strip	295,280	254	conveyor	323,214		27	3	Bt-OX2
			9	30		auger	27,934							
						Total	*323,214*							
	Boswell	Warren	8	45	Surface	strip	60,696	107	truck	68,166		4	1	Bt-OX
						auger	7,470							
						Total	*68,166*							
Sidwell Materials, Inc.	Bellaire Stone	Pultney	8		Surface	strip	2,006	1	truck	2,006		11	7	Bt-1190
Valley Mining, Inc.	Egypt Valley	Kirkwood, Warren	8	38	Surface	strip	133,818	296	truck	165,924		20	19	Bt-VM
			9	42		auger	32,106							
						Total	*165,924*							
CARROLL COUNTY—Total production = 505,864														
Buckeye Industrial Mining Co.	James South	Rose	6	36	Surface	strip	189,908	273	truck	217,745		11	1	Cl-B4
						auger	27,837							
						Total	*217,745*							
Cravat Coal Co.	Carrollton	Lee, Perry	H	14	Surface	strip	19,068	33	water	19,068		1	3	Cl-M2
Sterling Mining Co.	Sterling-West (CH Deep)	Fox	7A	36	Drift	cont. miner	269,051	256	truck	269,051	29		1	Cl-S1
COLUMBIANA COUNTY—Total production = 416,406														
Amerikohl Mining, Inc.	Fife	Madison	7	28	Surface	strip	153,859	144	truck	153,859		5		Ca-A2
Buckeye Industrial Mining Co.	Henderson	West	7	28	Surface	strip	85,763	288	truck	85,763		7	4	Ca-B2
			7A	26										
	McClintock	Center	7A	24	Surface	strip	62,223	288	truck	62,223		4	3	Ca-B3
	Ingledue	Center	7A	24	Surface	strip	7,753	73	truck	7,753		2		Ca-B1

Oxford Mining Co., Inc.	Dailey	Elk Run	7	34	Surface	strip	105,398	254	truck	105,985		21	2	Ca-CE2
			7A	24		auger	587							
						Total	*105,985*							
Solomon's Mines, Inc.	Solomon's Mines, Inc.	Salem	7A	20	Surface	strip	823	12	truck	823		1		Ca-SM
COSHOCTON COUNTY—Total production = 154,439														
Oxford Mining Co., Inc.	Little Africa	Linton	5	35	Surface	strip	22,010	28	truck	22,010		1	4	Cn-OX2
			6	28										
	Oxford	Mill Creek, Clark	6	28	Surface	strip	52,887	43	truck	52,887		2		Cn-Ox3
	Plainfield	Linton	6	28	Surface	strip	49,284	115	truck	79,542		13	2	Cn-H3
						auger	30,258							
						Total	*79,542*							
HARRISON COUNTY—Total production = 3,172,507														
Anthony Mining Co., Inc.	Patton-Mader	German	H	20	Surface	strip	934	4	truck	934		12		Hn-A[2]
	Cherry Valley	Green	8	56	Surface	strip	11,770	47	truck	14,506				Hn-767
			8A	18		auger	2,736							
						Total	*14,506*							
	Morelli-Porter	Cadiz	8	48	Surface	strip	11,500	80	truck	11,500		4		Hn-C2
	Carson Adjacent	Green	8	56	Surface	strip	101,845	278	truck	101,845		12	8	Hn-766
			8A	18										
CAM Ohio, LLC	Nelms Mine-Cadiz Portal	Green, Cadiz, Archer	6A	58	Drift	cont. miner	904,504	343	rail	783,221	95		19	Hn-710
									truck	89,989				
									Total	*873,210*				
	Hopedale Mine	Green	6A	60	Drift	cont. miner	745,667	328	rail	732,478	44		36	Hn-169
									truck	1,916				
									Total	*734,394*				
CONSOL Energy, Inc.	Mahoning Valley Mine 937	Athens	8	39	Surface	strip	122,961	42	truck	191,235		23	3	Hn-700
Cravat Coal Co.	Jockey Hollow East	Athens, Moorefield	8	48	Surface	strip	145,104	156	truck	145,104		18	5	Hn-C7
	Jockey Hollow West	Moorefield	8	46	Surface	strip	45,040	48	water	45,040		2		Hn-C8
Daron Coal Co., Inc.	Standingstone Mine	Cadiz	8	50	Surface	strip	311,570	274	rail	261,746		19	6	Hn-D
			8A	18		auger	27,165		truck	78,057				
			9	36		*Total*	*338,735*		*Total*	*339,803*				
Oxford Mining Co., Inc.	Martin	Athens	8	61	Surface	strip	350,286	254	truck	353,097		18	2	Hn-O
			9	45		auger	2,811							
						Total	*353,097*							
	Oxford Mining Co., Inc.	Athens, Cadiz	8	61	Surface	strip	14,210	14	truck	14,210		5		Hn-O1
	Sexton	Cadiz	8	50	Surface	strip	365,421	254	truck	372,982		22	2	Hn-C5
			8A	30		auger	7,561							
			9	30		*Total*	*372,982*							
Schaney Mining	Kuchan	Green	8	48	Surface	strip	1,422	15	truck	1,422		4		Hn-SM1
JACKSON COUNTY—Total production = 461,449														
Cedar Heights Clay Co.	Harrison	Madison	5	30	Surface	strip	5,781	35	truck	5,781		4		Jkn-CH2

[2]Employment includes Hn-767

2006 OHIO DIRECTORY OF PRODUCING COAL-MINE OPERATORS, BY COUNTY (cont.)

Name of company	Name of mine	Township	Seam		Type of mine	Production		Days in production in 2006	Disposition		Employment			State mine number
			Number	Thickness (inches)		Method	Tonnage		Method	Tonnage	Production: Underground	Production: Surface	Non-production	
JACKSON COUNTY (continued)														
Waterloo Coal Co., Inc.	Bowman Strip	Madison, Bloomfield, Jefferson	3	48	Surface	strip	455,668	319	truck	455,668		34	9	Jkn-367
			4A	12										
			5	12										
			6	14										
			7	40										
JEFFERSON COUNTY—Total production = 952,800														
Anthony Mining Co., Inc.	Lions Club Adjacent	Smithfield	8	56	Surface	strip	69,833	278	truck	86,166		13	8	Jfn-AN
			8A	20		auger	16,333							
			9	18		*Total*	*86,166*							
Buckeye Industrial Mining Co.	DM 6A & 7	Ross	6A	36	Drift	cont. miner	342,094	240	truck	342,094	21		5	Jfn-BI
			7	40										
F. & M. Coal Co.	Grabbit Pit	Smithfield, Green	8	54	Surface	strip	13,966	309	truck	13,966		3		Jfn-FM1
			8A	16										
Sterling Mining Co.	Sterling-Shinn Hill	Brush Creek	7	36	Surface	strip	15,161	127	truck	15,161		5		Jfn-ST2
	Sterling South	Brush Creek	7A	36	Drift	cont. miner	452,091	256	truck	452,091	26		8	Jfn-ST
Valley Mining, Inc.	Hamilton	Smithfield	8	60	Surface	strip	43,322	111	truck	43,322		18	19	Jfn-V1
			8A	22										
MAHONING COUNTY—Total production = 8,359														
D. & D. Mining Co.	D. & D. Strip	Springfield	5	30	Surface	strip	8,131	31	truck	8,131		4	2	Mg-D
Thompson Bros. Mining Co.	Rapp Mine	Beaver	4	30	Surface	strip	228	2	truck	228		1		Mg-T
MONROE COUNTY—Total production = 4,554,330														
American Energy Corp.	Century Mine	Sunbury	8	63	Drift	longwall	3,991,793	338	rail	4,331,863	222		12	Bt-67[3]
						cont. miner	562,537		truck	222,642				
						Total	*4,554,330*		*Total*	*4,554,505*				
MUSKINGUM COUNTY—Total production = 233,038														
Oxford Mining Co., Inc.	Adamsville SW	Washington	6	36	Surface	strip	161,375	126	truck	233,038		21	2	Mum-OX3
						auger	71,663							
						Total	*233,038*							
NOBLE COUNTY—Total production = 575,471														
B & N Coal, Inc.	Whigville	Marion	9	42	Surface	strip	96,006	126	truck	96,006		15	1	Ne-BN4
	Whigville II	Marion	9	42	Surface	strip	86,702	113	truck	86,702		15	1	Ne-BN6
	Ullman Mine	Elk, Jefferson	9	36	Surface	strip	138,974	241	truck	138,974		13	1	Ne-151
	Westfork Mine	Jefferson	9	36	Surface	strip	94,717	232	truck	94,717		10	1	Ne-BN5

Oxford Mining Co., Inc.	Long-Lefever	Beaver	7	40	Surface	strip	143,736	187	truck	159,072		8	1	Ne-O
						auger	15,336							
						Total	*159,072*							
PERRY COUNTY—Total production = 885,962														
Buckingham Coal Co., Inc.	Buckingham Coal Mine No. 7	Monroe	7	60	Drift	cont. miner	355,488	244	rail	355,488	29		13	Py-B1
	Buckingham Mine No. 6	Monroe	6	72	Drift	cont. miner	5,954	4			7		1	Py-B2
Oxford Mining Co., Inc.	New Lexington	Clayton, Pike	6	52	Surface	strip	73,852	45	rail	70,625		48	5	Py-O
									truck	3,227				
									Total	*73,852*				
	Oxford Mining Co., Inc.	Clayton	5	42	Surface	strip	450,668	241	rail	427,930		55	6	Py-O1
			6	52					truck	22,738				
									Total	*450,668*				
STARK COUNTY—Total production = 197,324														
Buckeye Industrial Mining Co.	Close	Pike	4	24	Surface	strip	23,625	70	truck	23,625		4	2	Sk-B
	Finnie	Paris	6A	24	Surface	strip	6,558	20	truck	6,558		1		Sk-B3
	Evanich	Paris	6	30	Surface	strip	91,974	288	truck	91,974		7	1	Sk-B8
			6A	26										
ENZ, Inc.	Sickafoose Pit	Sandy, Pike	4	48	Surface	strip	29,745	254	truck	29,745		18	5	Sk-208
			5	32										
Kimble Clay & Limestone Co.	Kimble Clay and Limestone	Pike	4	28	Surface	strip	33,804	113	truck	33,804		5		Sk-P
Republic Services, Inc.	Countywide RDF	Pike, Bethlehem	5		Surface	strip	11,618	15	truck	11,618		4	4	Sk-217
TUSCARAWAS COUNTY—Total production = 1,652,748														
Belden Brick Co.	Belden Pit	Sugar Creek	4	10	Surface	strip	826	5	truck	826		1		Ts-1646
	Wallick Pit	Franklin, Wayne	4	20	Surface	strip	16,177	75	truck	16,177		2	1	Ts-1841
Blue Jay Enterprises of Tuscarawas County, Inc.	Blue Jay 1	Sandy	4	21	Surface	strip	1,817	10	truck	1,817		1		Ts-BJ
Kimble Clay & Limestone Co.	Kimble Clay & Limestone Co.	Washington	6	28	Surface	strip	44,405	173	truck	70,003		5		Ts-K8
						auger	25,598							
						Total	*70,003*							
	Kimble Clay & Limestone Co.	Salem	6	28	Surface	strip	44,405	173	truck	70,003		5		Ts-M
						auger	25,598							
						Total	*70,003*							
	Kimble Clay & Limestone Co.	Sugar Creek	3A	28	Surface	strip	38,988	90	truck	38,988		5		Ts-K4
			4	28										
	Kimble Clay & Limestone Co.	Dover	4	28	Surface	strip	15,534	26	truck	15,534		2		Ts-1727
			5	28										
			6	28										
	Kimble Clay & Limestone Co.	York	5	28	Surface	strip	251,345	254	truck	266,699		15		Ts-K7
			6	28		auger	15,354							
						Total	*266,699*							

[3]See also Belmont County.

2006 OHIO DIRECTORY OF PRODUCING COAL-MINE OPERATORS, BY COUNTY (cont.)

Name of company	Name of mine	Township	Seam		Type of mine	Production		Days in production in 2006	Disposition		Employment			State mine number
			Number	Thickness (inches)		Method	Tonnage		Method	Tonnage	Production: Underground	Production: Surface	Non-production	
TUSCARAWAS COUNTY (continued)														
L & M Mineral Co.	Luikart	Mill, Warwick	5	30	Surface	strip	3,747	5	truck	3,747		4	2	Ts-1914
Red Malcuit, Inc.	RMI 2	Franklin, Wayne	5	30	Surface	strip	2,400	15	truck	2,400		4		Ts-2007
Oxford Mining Co., Inc.	Cole	Rush	7	33	Surface	strip	125,763	319	truck	138,872		14	1	Ts-O3
						auger	13,109							
						Total	*138,872*							
	Harper	Rush	7	33	Surface	strip	128,728	319	truck	147,307		14	1	Ts-O
						auger	18,579							
						Total	*147,307*							
Oxford Mining Co., Inc. (cont.)	Stone Creek	York	5	30	Surface	strip	423,781	254	truck	426,613		23	3	Ts-H4
			6	38		auger	2,832							
			7	30		*Total*	*426,613*							
	Strasburg Slurry	Lawrence, Franklin	4	40	Surface	strip	5,786	20	truck	5,786		4	2	Ts-HC
			6	25										
Rosebud Mining Co.	Tusky Mine	Mill	6	42	Drift	cont. miner	447,976	277	truck	447,976	34		2	Ts-TR
VINTON COUNTY—Total production = 532,705														
Sands Hill Coal Co., Inc.	Stanton	Wilkesville	4A	49	Surface	strip	176,996		truck	112,639				Vn-S5
			5	24					water	64,357				
			6	9					*Total*	*176,996*				
	Big Valley	Wilkesville, Vinton	4A	42	Surface	strip	355,709	259	truck	226,372		36	47	Vn-S4[4]
			5	20					water	129,337				
			6	8					*Total*	*355,709*				
			7	15										

[4]Employment includes Vn-S5

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS

For those mines for which a state mine number has not been assigned, a letter designation is used (example: Ts-A).
If there are no sales or production figures given for an operation, that operation reported no sales or production in 2006.
To convert short tons to metric tons, multiply the given tonnage by 0.907185.

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Addy Sand & Gravel 21441 County Rd. 106 P.O. Box 52 Newcomerstown, OH 43832 740-502-9598 Gerald L. Addy, owner	Addy	Coshocton	sand & gravel			Cn-AD	IM 971
Agg Rok Materials 711 Frank Rd. Columbus, OH 43223 614-875-5500 William G. Heffner, pres.	Agg Rok	Franklin	sand & gravel	407,464	407,316	Fn-36	IM-302
Alan Stone Co., Inc. 1324 Ellis Run Rd. Cutler, OH 45724 740-448-1100 Claudia Staley, pres.	Alan Stone Co., Inc.	Meigs	sandstone			Ms-A	IM-2260
William Albert, Inc. 1300 Cassingham Hollow Rd. Coshocton, OH 43812 740-622-3045 William Albert, pres.	William Albert, Inc. Pit 1 William Albert, Inc. Pit 2	Coshocton Coshocton	sand & gravel sand & gravel	 29,508	 31,758	Cn-828 Cn-WA	IM-1026 IM-2036
Alden Excavating 2504 Northampton Rd. Cuyahoga Falls, OH 44223 330-928-3249 Connie Ensign, pres.	Alden Excavating	Summit	sand & gravel	6,572	6,572	St-55	IM-589
Allgeier & Son, Inc. 6386 Bridgetown Rd. Cincinnati, OH 45248 513-574-3735 Michael E. Allgeier, pres.	Allgeier & Son, Inc. Pit 1 Allgeier & Son, Inc. Pit 2 Allgeier & Son, Inc.	Hamilton Hamilton Hamilton	sand & gravel sand & gravel sand & gravel	25,000 45,000 25,000	25,000 45,000 25,000	Hmn-AS1 Hmn-AS Hmn-C	IM-797 IM-1106 IM-1132
Alvis Properties, LLC P.O. Box 243 Miamitown, OH 45041 513-353-3333 James H. Alvis, pres.	Alvis Properties	Hamilton	sand & gravel			Hmn-Al	IM-2208
Alvis Landscape/Golf Course P.O. Box 253 Miamitown, OH 45401 513-353-3333 James H. Alvis, pres.	Shaw	Butler	sand & gravel			Br-A	IM-2246
American Sand & Gravel, Inc. 8188 Wales Rd. NW North Canton, OH 44720 330-762-9373 Christopher A. Scala, pres.	Plant #1 Plant #2 Plant #4 Plant #6	Portage Stark Stark Stark	sand & gravel sand & gravel sand & gravel sand & gravel	 1,001,919 126,574	 1,001,919 126,574	Pe-95 Sk-203 Sk-243 Sk-RO	IM-212 IM-654 IM-908 IM-2084
American Stone Corp. dba Cleveland Quarries 230 West Main St. S. Amherst, OH 44001 440-986-4501 Russell H. Ciphers, pres.	Birmingham Quarry Amherst Quarries	Erie Lorain	sandstone sandstone	11,910	11,910	Ee-21 Ln-3	IM-416 IM-415
Anchor-Land, Ltd. P.O. Box 648 St. Clairsville, OH 43950 740-695-7237 C. F. Dawson, owner	Anchor Limestone	Belmont	limestone			Bt-A	IM-2148
Anthony Mining Co., Inc. P.O. Box 1298 Steubenville, OH 43952 740-268-8100 Albert Carapellotti, pres.	Patton-Mader	Harrison	limestone			Hn-A	IM-2247

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Apex Environmental, LLC P.O. Box 151 Amsterdam, OH 43903 412-562-1700 Jeffrey Kendall, pres.	Apex	Jefferson	limestone			Jfn-K	IM-1164
Area Rock, LLC 873 East Main St. Woodville, OH 43469 419-849-2510 Tom Bischoff, pres.	Area Rock Quarry	Sandusky	limestone			Sy-A	IM-2227
Artisan Moulded Brick Co. 775 Richland Shale Rd. P.O. Box 1617 Mansfield, OH 44903 419-524-0000 Helmut Lauff, pres.	Artisan Moulded Brick Co.	Richland	shale	31,425	31,425	Rd-R	IM-1035
Ashcraft Sand & Gravel, Inc. 5850 Dry Fork Rd. Cleves, OH 45002 513-367-5700 Otis Ashcraft, pres.	Ashcraft Sand & Gravel, Inc.	Hamilton	sand & gravel	146,071	146,071	Hmn-54	IM-710
Athens Hocking Reclamation Center 450 Gallagher Ave. P.O. Box 946 Logan, OH 43138 740-385-6019 Edward F. Kilbarger, pres.	Athens Hocking Reclamation Center	Athens	clay	27,000	27,000	As-594	
Atlas Towing Co. P.O. Box 1632 Parkersburg, WV 26101 304-428-0341 Christopher V. Criss, pres.	Belpre Bank Run	Washington	sand & gravel	7,145	7,145	Wn-54	IM-383
Ayers Limestone Quarry, Inc. 2000 Colerain Pike P.O. Box 67 Martins Ferry, OH 43935 740-633-2958 Patricia Ayers, pres.	Ayers Limestone Quarry, Inc.	Belmont	limestone	47,650	47,650	Bt-716	IM-1
B & L Sand Co. 441 Iowa St. P.O. Box 1949 Ashland, KY 41101 606-325-8301 Janet R. Griffiths, pres.	B & L Sand Co.	Lawrence	sand & gravel			Le-430	IM-844
Baker Sand, Inc. 7800 White Rd. Burbank, OH 44214 330-948-1448 John E. Baker, pres.	Baker Sand, Inc.	Medina	sand & gravel	691,000	725,000	Ma-20	IM-448
Ballentine Excavation Co. 7854 Cooley Rd. Ravenna, OH 44266 330-297-9739 Daniel H. Ballentine, owner	Ballentine Lake	Portage	sand & gravel	27,753	27,753	Pe-BA	IM-1327
Barrett Paving Materials, Inc. 4710 Soldiers Home -WC Rd. Miamisburg, OH 45342 937-279-3200 Mike Oliver, plant super.	West Carrollton Aggregate Plant	Montgomery	sand & gravel	487,243	542,894	My-19	IM-401, IM-916
Barrett Paving Materials, Inc. 5325 Medway Rd. Fairborn, OH 45324 937-878-8631 Marc Zehnder, plant mgr.	Fairborn Aggregate Plant	Greene	sand & gravel	483,965	517,795	Ge-4	IM-394

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Barrett Paving Materials, Inc.	Barrett Paving Materials, Inc.	Clark	sand & gravel	484,349	540,598	Ck-28	IM-1100
P.O. Box 13671							IM-2120
Dayton, OH 45413	Barrett Paving Materials, Inc.	Montgomery	sand & gravel			My-B	IM-2044
937-424-9100	Hardin Sand & Gravel	Shelby	sand & gravel	378,296	364,442	Shy-SC	IM-1018
Marc Zehnder, plant mgr.	Jones Deposit	Shelby	sand & gravel			Shy-18	IM-388
	Schmidt Deposit	Shelby	sand & gravel			Shy-SC1	IM-2017
	Schmidt Deposit	Shelby	sand & gravel			Shy-11	IM-743
Barrett Paving Materials, Inc.	Barrett Paving Materials, Inc. - #231	Miami	limestone	311,834	371,376	Mi-BPM	IM-1169
Mid-Ohio	Bed Rock Properties	Miami	limestone			Mi-502	IM-414
3244 S. Davis Rd.	Vandemark Quarry #221	Shelby	limestone	256,663	253,029	Shy-15	IM-387
Ludlow Falls, OH 45339							
937-698-3043							
Jim Meckstroth, reg. mgr.							
Bartley & Bolin Excavating	Bartley & Bolin, Inc., James Plant	Ashland	sand & gravel	118,081	118,081	Ald-B	IM-2141
1242 County Rd. 1475	McNaul Road Plant	Richland	sand & gravel	96,603	96,603	Rd-20	IM-617
Ashland, OH 44805-9277							
419-289-1507							
Mitchell W. Bolin, owner							
Bearcreek Clay Co.	County Rd. 7 Mine	Perry	clay	12,000	12,000	Py-338	IM-1092
11123 State Route 37 E			shale	25,000	25,000		
New Lexington, OH 43764	Nelson/Common Mine	Perry	clay	32,000	32,000	Py-D1	IM-1304
740-342-5473			shale	12,000	12,000		
Tom L. Dennis, owner							
Beaver Excavating, Inc.	Stone Products	Stark	sand & gravel	12,000	12,000	Sk-BE	IM-1202
4650 Southway St. SW							
P.O. Box 6059							
Canton, OH 44706							
330-478-2151							
W. Mark Sterling, pres.							
Beck Sand & Gravel, Inc.	Beck Sand & Gravel, Inc.	Portage	sand & gravel	207,773	207,773	Pe-50	IM-96
2820 Webb Rd.							
Ravenna, OH 44266							
330-626-3863							
Rodney A. Wenrich, pres.							
Paul D. Beery Trucking Co.	Paul D. Beery Trucking Co.	Fairfield	sand & gravel	580	730	Fd-14	IM-933
4770 Cincinnati-Zanesville Rd. NE							
Lancaster, OH 43130							
740-653-5061							
Paul D. Beery, pres.							
Belden Brick Co.	Beagle Pit	Tuscarawas	clay			Ts-1960	IM-48
P.O. Box 20910	Belden Pit	Tuscarawas	limestone	2,930	2,930	Ts-1646	IM-44
Canton, OH 44701			clay	18,484	18,484		
330-852-2424			shale	32,695	32,695		
Robert F. Belden, pres.	Dundee Pit	Tuscarawas	limestone			Ts-BB	IM-1221
			clay				
	Moomaw Pit	Tuscarawas	limestone	1,918	1,918	Ts-1517	IM-46
			clay	42,249	42,249		
			shale	38,668	38,668		
	Plotner Pit	Tuscarawas	limestone			Ts-B	IM-49
			clay				
	Shanesville Pit	Tuscarawas	clay	39,894	39,894	Ts-1939	IM-47
			shale	65,144	65,144		
	Wallick Pit	Tuscarawas	limestone	8,071	8,071	Ts-1841	IM-45
			clay	89,136	89,136		
Best Sand Corp.	Best Sand Corp.	Geauga	sandstone	744,527	729,190	Gea-3	IM-89
11830 Ravenna Rd.	Best Sand Corp.	Pike	sandstone	61,005	63,997	Pke-31	IM-835
Chardon, OH 44024							
440-285-0707							
Charles D. Fowler, pres.							
Black Top Contracting, Inc.	Black Top #1	Athens	sand & gravel			As-588	IM-630
P.O. Box 426	York Twp. Trustees	Athens	sand & gravel	28,000	28,000	As-BT	IM-1350
Nelsonville, OH 45764							
740-753-1181							
Tim Maiden, pres.							

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Blue Jay Enterprises of Tuscarawas County, Inc. P.O. Box 641 Zoar, OH 44697 330-874-2048 Leland D. Ervin, pres.	Blue Jay #1	Tuscarawas	clay	8,367	8,367	Ts-BJ	IM-1285
			shale	7,853	7,853		
	Swonger Waltz Mine	Tuscarawas	limestone			Ts-520	IM-214
			clay				
Blue Stone Sand & Gravel, Inc. 14376 N. Cheshire St. P.O. Box 567 Burton, OH 44021 440-834-1988 David W. Ronyak, pres.	Blue Stone Pit #1	Portage	sand & gravel			Pe-B1	IM-1296
	Blue Stone Pit #2	Portage	sand & gravel			Pe-B2	IM-1305
Bluffton Stone Co. P.O. Box 26 Bluffton, OH 45817-0026 419-358-6941 Brent C. Gerken, pres.	Bluffton Stone Co.	Allen	limestone	438,795	542,774	An-1	IM-485
Bowerston Shale Co. 1329 Seven Hills Rd. NE Newark, OH 43055 740-763-3921 Mark Willard, pres.	Hanover	Licking	shale	44,268	44,268	Lg-501	IM-257
	Frazeysburg	Muskingum	clay	4,746	4,746	Mum-776	IM-256
Bowerston Shale Co. 515 Main St. P.O. BOX 199 Bowerston, OH 44695 740-269-2921 Mark Willard, pres.	Bowerston	Harrison	shale	33,000	33,000	Hn-152	IM-42
	Scott Farm	Harrison	clay			Hn-B	IM-1020
Gaston Bowling, Inc. P.O. Box 330 Oxford, OH 45056 513-892-7259 Gaston Bowling, pres.	Indian Creek Sand & Gravel	Butler	sand & gravel	9,968	9,968	Br-40	IM-493
D. H. Bowman & Sons, Inc. 1201 Mill St. Bellville, OH 44813-1282 419-886-2711 John D. Ellis, pres.	D. H. Bowman & Sons, Inc.	Richland	sand & gravel	108,184	82,998	Rd-4	IM-279, IM-1255
Boyas Excavating, Inc. 10055 Sweet Valley Dr. Cleveland, OH 44125-4247 216-524-3620 Michael Boyas, pres.	Boyas Excavating, Inc.	Cuyahoga	sandstone			Cya-42	IM-686
			clay				
Boyd Excavating 9553 County Rd. 28 Zanesfield, OH 43360 937-465-3290 Jeff Boyd, owner	Boyd Excavating	Logan	sand & gravel	1,035	1,035	Lgn-B	IM-1309
Briar Hill Stone Co. P.O. Box 457 Glenmont, OH 44628 330-377-5100 F. L. Waller, pres.	Quarry #56	Coshocton	sandstone			Cn-BH	IM-2147
	Quarry #18	Coshocton	sandstone			Cn-695	IM-402
	Quarry #24	Coshocton	sandstone	4,547	4,547	Cn-692	IM-294
	Quarry #26	Coshocton	sandstone			Cn-13	IM-397
	Quarry #3	Coshocton	sandstone	225	225	Cn-659	IM-232
	Quarry #32	Coshocton	sandstone	1,839	1,839	Cn-686	IM-504
	Quarry #54	Coshocton	sandstone	594	594	Cn-809	IM-909
	Quarry #55	Coshocton	sandstone	8,433	8,433	Cn-815	IM-939
	Quarry #31	Holmes	sandstone			Hs-49	IM-418
	Quarry #6	Knox	sandstone			Kx-12	IM-445
Briggs Sand & Gravel, Inc. County Rd. 10 - 1905 Blue Knob Rd. Marietta, OH 45750 740-373-3363 James A. Briggs, pres.	Briggs Sand & Gravel, Inc.	Washington	sand & gravel	6,134	6,134	Wn-508	IM-57

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Broshear Contractors, Inc.	Green Heron	Butler	sand & gravel	102,831	102,831	Br-B	IM-2029
2520 Millville-Ross Rd.	Ross Twp. Gravel	Butler	sand & gravel			Br-48	IM-562
Hamilton, OH 45013							
513-863-3388							
Gerald Broshear, pres.							
Oscar Brugmann Sand & Gravel, Inc.	Oscar Brugmann Sand & Gravel, Inc.	Portage	sand & gravel	479,353	482,200	Pe-9	IM-119
			sandstone	78,204	80,300		
3828 Dudley Rd.	Oscar Brugmann Sand & Gravel, Inc.	Portage	sand & gravel			Pe-OB	IM-1241
Mantua, OH 44255							
330-274-8224							
Roy Brugmann, pres.							
Buckeye Industrial Mining Co.	James South	Carroll	clay	726	726	Cl-B4	D-2229
	Clay	Columbiana	clay	2,543	2,543	Ca-BIM	IM-1271
P.O. Box 389	Ingledue	Columbiana	clay			Ca-B1	D-2003
Lisbon, OH 44432	West Point	Columbiana	clay			Ca-987	D-0928
330-337-9511	Baird	Stark	clay			Sk-B4	D-2096
John C. Grisham, pres.	Close	Stark	clay	4,415	4,415	Sk-B	D-1123
	Cox	Stark	clay			Sk-BI2	D-2145
Marilyn J. Burkholder Trust	Burkholder	Crawford	sand & gravel			Cd-B	IM-2204
1655 Fairview Rd.							
Galion, OH 44833							
419-468-1361							
Marilyn J. Burkholder, trustee							
Burlington Sand & Gravel Co.	Burlington Sand & Gravel Co.	Lawrence	sand & gravel			Le-426	IM-856
P.O. Box 399							
Chesapeake, OH 45619							
740-894-5978							
Vernon E. Collier, owner							
The Terry Byrne Mining Co.	The Terry Byrne Mining Co.	Richland	sand & gravel			Rd-TB	IM-1343
4775 Mill Run Rd.							
Lexington, OH 44904							
419-886-4345							
Terrance K. Byrne, owner							
C & S Contractors, Inc.	C & S Contractors, Inc.	Warren	sand & gravel			Wan-47	IM-846
P.O. Box 498457							
Cincinnati, OH 45249							
513-530-9844							
Raymond A. Conn, pres.							
C.I.R., Inc.	Harmon	Lake	sand & gravel			Lke-CIR	IM-1243
2856 N. County Line Rd.							
Geneva, OH 44041-9604							
440-352-2256							
Steven J. Klima, pres.							
Cargill, Inc.	Cargill Deicing Technology	Cuyahoga	salt	2,749,067	3,002,122	Cya-30	
Cargill Salt Division	Cargill, Inc.	Summit	salt	293,931	298,042	St-9127	
P.O. Box 6920							
Cleveland, OH 44101							
440-716-4664							
Dale Fehrenbach, pres.							
Carmeuse Ohio, Inc.	Maple Grove	Seneca	limestone	2,270,000	2,100,000	Sa-2	IM-352
P.O. Box 708							
Bettsville, OH 44815							
419-986-2000							
Tom Durks, pres.							
Carter & Carter, Inc.	Carter & Carter, Inc.	Montgomery	sand & gravel	1,847	2,081	My-CW	IM-878
P.O. Box 266							
Miamisburg, OH 45343-0266							
937-859-5414							
Charles V. Carter, pres.							
Joe E. Carter	Lost Bridge	Hamilton	sand & gravel	1,350	1,350	Hmn-JC	IM-1267
21399 State Line Rd.							
Lawrenceburg, IN 47025							
812-537-3970							
Joe E. Carter, owner							

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Cashen, Inc. 1225 Dock Rd. Madison, OH 44057 440-428-1148 Andrew Cashen, owner	Cashen, Inc.	Lake	sand & gravel			Lke-C	IM-1215
Cedar Heights Clay Co. P.O. Box 295 Oak Hill, OH 45656-0295 740-682-7794 William T. Brown, pres.	Harrison Phillips	Jackson Jackson	clay clay	38,259	38,259	Jkn-CH2 Jkn-CH3	IM-1302 IM-2035
CEMEX, Inc. 3250 Linebaugh Rd. Xenia, OH 45385 937-878-8651 Bernard P. McCormick, plant mgr.	Batdorf CEMEX, Inc. (Harner) Miller, Schieder G-Tract	Greene Greene Greene Montgomery	limestone limestone limestone clay limestone	 900,000 100,000	 900,000 100,000	Ge-9 Ge-44 Ge-8 My-58	IM-364 IM-364 IM-330
Central-Allied Enterprises, Inc. P.O. Box 80449 Canton, OH 44708-0449 330-477-6751 Gerald S. Orn, pres.	Canton Aggregate Div. Central Aggregate Div. Central Sand & Gravel Div. Massillon Washed Gravel Div. Massillon Washed Gravel Div.	Stark Stark Stark Stark Stark	sand & gravel sand & gravel sand & gravel sand & gravel sand & gravel	23,751 172,686 585,414 37,500 143,407	23,751 172,686 585,414 37,500 143,407	Sk-681 Sk-CA Sk-CA1 Sk-MW Sk-607	IM-164 IM-1234 IM-2140 IM-1171 IM-102
Chesterville Sand & Gravel Co., Inc. State Route 95 E P.O. Box 51 Chesterville, OH 43317 419-768-3369 David W. Gleason, v. pres.	Chesterville Sand & Gravel Co., Inc.	Morrow	sand & gravel	283,117	283,117	Mw-10	IM-258
Christman Quarries 47278 Swazey Rd. Lewisville, OH 43754 740-838-2475 Gerald L. Christman, owner	Christman Quarry	Monroe	limestone	73,294	73,294	Me-C	IM-1088
Carmen Cicero 999 Orchard Ave. Niles, OH 44446 330-538-3044 Carmen S. Cicero, owner	Rt. 534 Stone Products	Mahoning	sandstone			Mg-62	IM-599
City Stone LLC 8063 Southern Blvd. Youngstown, OH 44512 800-262-9365 Ron Carrocce, pres.	City Stone LLC	Trumbull	sandstone	31,153	31,153	Tl-CA	IM-2085
Harlen D. & Barbara L. Clark 11535 County Rd. 16 Wauseon, OH 43567 419-335-2234 Harlen D. Clark, pres.	Clark	Fulton	sand & gravel	5,375	5,375	Ftn-C	IM-2274
Clemson Excavating, Inc. 9954 Old State Rd. Chardon, OH 44024 440-286-4757 Bill Clemson, pres.	Clemson Excavating Sand & Gravel	Ashtabula	sand & gravel	5,000	5,000	Asa-C	IM-1278
M. J. Coates Construction Co., Inc. P.O. Box 41231 Dayton, OH 45441 937-433-1581 Martin J. Coates, owner	M. J. Coates Construction Co., Inc. M. J. Coates Construction Co., Inc.	Greene Greene	sand & gravel sand & gravel	169,047 37,603	169,047 37,603	Ge-47 Ge-G	IM-751 IM-655
Cochran Transportation Services, Inc. P.O. Box 578 Athens, OH 45701 740-593-3906 Charles W. Cochran, pres.	Circle Hill	Athens	sand & gravel clay	31,702 1,220	31,702 1,220	As-595	IM-1083

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Boone Coleman Construction, Inc. 32 State Route 239 West Portsmouth, OH 45663 740-858-6661 Boone Coleman, pres.	Boone Coleman Construction, Inc. Coleman Pit	Scioto Scioto	sand & gravel sand & gravel	 220	 220	So-BC So-B	IM-1252 IM-705
Bill D. Colwell 2530 Regina Pl. Hamilton, OH 45013 513-863-2138 Bill D. Colwell, owner	Bill D. Colwell Gravel	Butler	sand & gravel			Br-36	IM-649
Con-Ag, Inc. 16672 County Rd. 66A N St. Marys, OH 45885 419-394-8870 Robert E. Hirschfeld, pres.	Con-Ag, Inc.	Auglaize	limestone	208,740	260,985	Ae-31	IM-744
County Road #271 Mining 3820 County Rd. 271 Coshocton, OH 43812 740-622-3952 James V. Cognion, owner	Cognion	Coshocton	sand & gravel			Cn-CR	IM-2240
County Line Concrete & Supply Co. P.O. Box 176 Gnadenhutten, OH 44629 740-254-4635 William E. Stocker, chairman	County Line Concrete & Supply Co.	Coshocton	sand & gravel			Cn-C	IM-1311
Courtney Enterprises, Inc. 2456 Twp. Rd. 1025 Perrysville, OH 44864 419-589-9411 Don A. Greer, pres.	Joyce A. Good	Ashland	sand & gravel	48,000	48,000	Ald-G	IM-1121
Craigton Shale Co. P.O. Box 6 Lakeville, OH 44638 330-496-3000 Leonard Schemrich, owner	Lakeville Sand & Gravel, Ltd. Craigton Shale Co.	Holmes Wayne	sand & gravel shale	115,948 325	115,948 325	Hs-C We-25	IM-1303 IM-1209
Cremeans Concrete & Supply Georges Creek Rd. P.O. Box 475 Gallipolis, OH 45631 740-446-1142 John Cremeans, pres.	Cremeans Concrete & Supply Co., Inc.	Gallia	sand & gravel			Ga-626	IM-1046
Chemtura USA Corp. 199 Benson Rd. Middlebury, CT 06749 203-573-2000 Robert L. Wood, pres.	Lake County Nursery	Lake	clay			Lke-U	IM-2213
Crosby Gravel, Inc. 9570 State Route 128 Harrison, OH 45030 513-738-0077 Donald Smith, pres.	Crosby Gravel, Inc.	Hamilton	sand & gravel	390	390	Hmn-44	IM-120
R. A. Cruise Sand & Gravel, Inc. P.O. Box 1066 Ravenna, OH 44266 330-296-4087 Larry A. Cruise, pres.	R. A. Cruise Sand & Gravel, Inc.	Portage	sand & gravel	16,241	16,241	Pe-45	IM-139
Cumberland Limestone, LLC 53681 Spencer Rd. Cumberland, OH 43732 740-638-3942 Chris D. Sidwell, pres.	Cumberland Limestone, LLC	Guernsey	limestone	287,629	287,629	Gy-309	IM-1030

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Cunningham Asphalt Paving, Inc. P.O. Box 370 Wheelersburg, OH 45694 740-574-6184 Karl Cunningham, pres.	Cunningham Pit	Scioto	sand & gravel			So-83	IM-211
Custar Stone Co., Inc. P.O. Box 627 Napoleon, OH 43545 419-533-8831 Brent Gerken, pres.	Custar Stone Co., Inc.	Wood	limestone	1,398,364	1,451,006	Wd-5	IM-473
D. & D. Mining Co. 3379 E. Garfield Rd. New Springfield, OH 44443 330-549-3127 Donald Thompson, pres.	D. & D. Strip D. & D. Strip D. & D. Strip	Columbiana Columbiana Mahoning	shale clay sandstone clay	1,444	1,444	Ca-888 Ca-348 Mg-D	IM-1181 IM-976 D-2164
D & K Materials, Inc. 3072 Congress Lake Rd. Mogadore, OH 44260 330-678-2411 Kimberly S. Ebie, pres.	D & K Materials, Inc.	Portage	sand & gravel	39,934	39,934	Pe-101	IM-1154
D.B.M. Materials, LLC 2040 Alum Creek Dr. Columbus, OH 43207 614-445-8421 John B. Igel, pres.	D.B.M. Materials, LLC	Franklin	sand & gravel			Fn-14	IM-832
D.G.M., Inc. 453 Salisbury Rd. Beaver, OH 45613 740-820-3145 Mark Salisbury, v. pres.	Towpath-Warwick Tow Path Ready Mix	Ross Scioto	sand & gravel sand & gravel	43,667 116,191	43,667 116,191	Rs-D So-DGM	IM-2176 IM-1280
Darby Creek Excavating, Inc. 6790 Brooksmiller Rd. Circleville, OH 43113 740-477-8600 Kevin R. Steward, pres.	Darby Creek Excavating Inc.	Pickaway	sand & gravel	8,000	8,000	Pky-DC	IM-1316
Daron Coal Company, Inc. 42600 Deersville Ridge Rd. Cadiz, OH 43907 740-942-8223 Charles Ungurean, pres.	Standingstone Mine	Harrison	limestone	100,000	100,000	Hn-D	D-1181
De Milta Sand & Gravel, Inc. 921 Erie Rd. Eastlake, OH 44095 440-942-2015 Nick De Milta, pres.	De Milta Sand & Gravel, Inc.	Lake	sand & gravel			Lke-D	IM-1187
Demmy Construction, Inc. 4324 Fairfield Pike Springfield, OH 45502 937-323-4079 Daniel E. Demmy, pres.	Demmy Constuction, Inc.	Clark	limestone sand & gravel	8,104 39,891	8,104 39,891	Ck-501	IM-340
Demmy Sand & Gravel 4324 Fairfield Pike Springfield, OH 45502 937-325-8840 Daniel Demmy, pres.	Deam Demmy Sand & Gravel	Clark Clark	sand & gravel sand & gravel	 5,214	 5,214	Ck-LG Ck-502	IM-2073 IM-375
Diamond Stone Quarries P.O. Box 315 McArthur, OH 45651 740-596-5226 W. E. Engle, pres.	Diamond Stone	Athens	limestone sandstone	26,147 6,000	26,147 6,000	As-533	IM-17
DiGeronimo Aggregates, LLC 5531 Canal Rd. Valley View, OH 44125 216-524-2950 Victor Digeronimo, Jr., pres.	DiGeronimo Aggregates, LLC	Cuyahoga	shale	251,219	251,219	Cya-19	IM-95

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Dingledine Basic Materials, Inc. 2304 Somerville Rd. P.O. Box 262 Somerville, OH 45064 513-726-5258 Gerald Dingledine, pres.	Dingledine Basic Materials, Inc.	Butler	sand & gravel	103,666	103,666	Br-50	IM-739
John R. Doherty 2229 Walnut Blvd. Ashtabula, OH 44004 440-964-8431 John R. Doherty, pres.	Doherty	Ashtabula	sand & gravel	500	900	Asa-JD	IM-2250
James E. Downard 1185 Mount Zwingli Rd. Bremen, OH 43107 740-569-7849 James E. Downard, owner	Downard Pit	Fairfield	sand & gravel	6,096	6,096	Fd-16	IM-1156
Duff Quarry, Inc. 9042 State Route 117 P.O. Box 305 Huntsville, OH 43324-0305 937-686-2488 James E. Duff, pres.	Duff Quarry, Inc. Duff Quarry, Inc. Duff Quarry, Inc. Duff Quarry, Inc. Duff Sand Co.	Logan Logan Logan Logan Logan	sand & gravel limestone sand & gravel sand & gravel sand & gravel	 459,895 150 9,572	 459,895 150 9,572	Lgn-12 Lgn-15 Lgn-39 Lgn-36 Lgn-31	IM-1071 IM-453 IM-887 IM-1007 IM-454
ENZ, Inc. P.O. Box 405 Magnolia, OH 44643 330-866-4510 James R. Demuth, pres.	Baum Sickafoose Pit	Stark Stark	sand & gravel limestone clay	97,286 43,706 341,692	97,286 43,706 341,692	Sk-E Sk-208	IM-2230 D-1015
ESSROC Cement Corp. P.O. Box 779 Bessemer, PA 16112 724-667-7702 George Gregory, pres.	Sylvania Quarry Bessemer Quarry Carbon Quarry	Lucas Mahoning Mahoning	limestone limestone limestone	 512,930	 512,930	Ls-12 Mg-608 Mg-EM	IM-953 IM-4 IM-1056
East Fairfield Coal Co. 10900 South Ave. P.O. Box 217 North Lima, OH 44452 330-549-2165 W. Thomas Mackall, pres.	Garfield Road Withers-Petersburg	Mahoning Mahoning	limestone limestone	166,725 1,473,480	166,725 1,510,109	Mg-EF Mg-63[1]	IM-2101 IM-1103
David E. Edgington P.O. Box 282 Frankfort, OH 45628 740-998-5328 David E. Edgington, owner	Edgington Pit	Ross	sand & gravel	3,616	3,616	Rs-E	IM-1168
Enon Sand & Gravel, LLC 11641 Mosteller Rd. Cincinnati, OH 45241 513-771-0820 James P. Jurgensen, pres.	Enon Sand & Gravel, LLC Enon Sand & Gravel, LLC	Clark Clark	sand & gravel sand & gravel	 320,000	 320,000	Ck-A Ck-3	IM-1359 IM-463
Envirosafe Services of Ohio, Inc. 876 Otter Creek Rd. Oregon, OH 43616 419-698-3500 Douglas E. Roberts, pres.	Johlin Property Clay Mine	Lucas	clay	64,980		Ls-E	IM-1075, IM-2116
Erie Blacktop, Inc. 4507 Tiffin Ave. P.O. Box 2308 Sandusky, OH 44870 419-625-7374 Dean Wikel, pres.	Erie Blacktop Quarry Erie Blacktop, Inc.	Erie Huron	limestone sand & gravel	362,105 585	362,105 585	Ee-27 Hrn-16	IM-608 IM-975
Erie Materials, Inc. 4507 Tiffin Ave. Sandusky, OH 44870 419-625-7374 Dean Wikel, pres.	Borchardt	Erie	sand & gravel	575	575	Ee-18	IM-676

[1]This mine began underground operations in 2003.

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Evans Gravel, Inc. 4229 Round Bottom Rd. Cincinnati, OH 45244 513-271-1119 Douglas L. Evans, pres.	Evans Gravel, Inc. Evans Gravel, Inc.	Clermont Hamilton	sand & gravel sand & gravel	131,139 4,968	185,910 1,518	Ct-9 Hmn-E	IM-526 IM-2181
Feikert Sand & Gravel, Inc. 6871 Twp. Rd. 605 Millersburg, OH 44654 330-674-7245 Lynn O. Feikert, pres.	Feikert Sand & Gravel, Inc.	Holmes	sand & gravel	138,778	138,778	Hs-511	IM-1048, IM-1240
Fleming Construction Co., Inc. dba Scioto S & G P.O. Box 31 Marion, OH 43301-0031 740-726-2164 Sonia E. Fleming, pres.	Pit #1 Pit #2	Marion Marion	sand & gravel sand & gravel	8,089 15,854	8,089 15,854	Mn-16 Mn-19	IM-171 IM-990
Flesher Sand & Gravel, Inc. 3322 Clark Mill Rd. Norton, OH 44203 330-745-9239 James E. Fisher, pres.	Flesher Sand & Gravel, Inc.	Summit	sand & gravel			St-52	IM-900
Foureman's Sand & Gravel, Inc. 2791 Wildcat Rd. Greenville, OH 45331 937-548-1718 Gary B. Foureman, pres.	Foureman's Sand & Gravel, Inc.	Darke	sand & gravel	98,482	98,482	Dke-4	IM-433
Lloyd B. Fry P.O. Box 1515 Piqua, OH 45356 937-773-1940 Lloyd B. Fry, owner	Lloyd B. Fry	Miami	sand & gravel	886	886	Mi-T	IM-696
Frye Sand & Gravel, Inc. 3049 S. Denmark Rd. P.O. Box 3 Dorset, OH 44032-0003 440-858-2627 Harold L. Frye, owner	Frye Sand & Gravel, Inc. Frye Sand & Gravel, Inc.	Ashtabula Ashtabula	sand & gravel sand & gravel	260 492	260 492	Asa-F Asa-10	IM-1289 IM-198
GANS Ltd. 800 West Maple St. Hartville, OH 44632 330-877-2525 Ellis Erb, pres.	Gans Ltd. dba Brimfield Sand & Soils	Portage	sand & gravel	13,845	4,470	Pe-102	IM-1184
Ganges Gravel Co. P.O. Box 638 Mansfield, OH 44901 419-896-3660 Don Daugherty, pres.	Ganges Gravel Co.	Richland	sand & gravel	28,251	28,251	Rd-18	IM-670
John L. Garber Materials, Inc. 2745 Gass Rd. - Route 8 Lexington, OH 44904 419-884-1567 John L. Garber, pres.	John L. Garber Materials, Inc. John L. Garber Materials, Inc.	Richland Richland	sand & gravel sand & gravel	 202,538	 207,000	Rd-G Rd-14	IM-2152 IM-436
General Motors Power Train 26427 State Route 281 E Defiance, OH 43512 419-782-7010 John Thomas, plant mgr.	GM Powertrain Clay Borrow Area	Defiance	clay			De-3	IM-1351
Gibson Sand & Gravel Co. 1475 Knorr Rd. Galion, OH 44833 419-468-5820 John Gibson, owner	Gibson Sand & Gravel Co.	Crawford	sand & gravel	88	88	Cd-G	IM-0693

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Timothy P. Gleason 10217 State Route 534 N Middlefield, OH 44062 440-272-5158 Timothy P. Gleason, pres.	Springbrook	Trumbull	sand & gravel sandstone	131,415 31,979	131,414 31,979	Tl-12	IM-131
Glen-Gery Corp. P.O. Box 207 Iberia, OH 43325 419-468-5002 Steve Matsick, pres.	Iberia Quarry	Marion	shale	310,000	310,000	Mn-7	IM-309
D & S Gotshell P.O. Box 23402 Chagrin Falls, OH 44023 330-995-6521 Dale Gotshell, owner	Richards	Ashtabula	sand & gravel			Asa-G	IM-2211
Gray Road Fill, Inc. 700 W. Pete Rose Way Cincinnati, OH 45203 513-721-6000 Roy B. Schweitzer, pres.	Gray Road Fill, Inc.	Hamilton	limestone			Hmn-GR	IM-1363
Graymont Dolime (OH), Inc. P.O. Box 158 Genoa, OH 43430 419-855-8336 William Dodge, pres.	Graymont Dolime (OH), Inc.	Ottawa	limestone	736,316	761,421	Oa-1[2]	IM-292
Grimes Excavating 165 Holdren Ln. P.O. Box 120 New Matamoras, OH 45767 740-865-3990 Lewis Grimes, owner	Grimes Sand & Gravel	Washington	sand & gravel	74,882	74,882	Wn-1008	IM-1111
Hanson Aggregates Midwest, Inc. 4100 Centennial Rd. P.O. Box 278 Sylvania, OH 43560-0278 419-882-0123 John Lawson, pres.	Sandusky Crushed Stone Sylvania Waterville Paulding Bloomville Flat Rock	Erie Lucas Lucas Paulding Seneca Seneca	limestone limestone limestone limestone limestone limestone	3,974,001 1,260,516 552,937 265,570 325,835 213,300	3,946,245 1,260,516 625,027 227,784 294,524 213,300	Ee-11 Ls-3 Ls-1 Pg-7 Sa-3 Sa-1	IM-263 IM-580 IM-575 IM-349 IM-347
Hanson Aggregates Midwest, Inc. 4281 Roush Rd. Hillsboro, OH 45133 937-364-2311 Craig Morgan, v. pres.	Plum Run Quarry Eagle Crushed Stone Dry Fork Sand & Gravel Highland Stone Piketon Sand & Gravel Scioto Valley Resources	Adams Brown Hamilton Highland Pike Scioto	limestone limestone sand & gravel limestone sand & gravel sand & gravel	1,532,013 1,546,656 987,300 499,009 457,543 28,906	1,532,013 1,570,915 1,101,212 448,127 451,252	Ads-1 Bn-EC Hmn-50 Hd-2 Pke-24 So-100	IM-237 IM-1195 IM-205, IM-1139 IM-230 IM-222 IM-950
Hanson Aggregates Midwest, Inc. dba Wagner Quarries Co. 4203 Milan Rd. Sandusky, OH 44870 419-625-8141 John Lawson, pres.	Wagner Quarry	Erie	limestone	2,648,286	2,604,755	Ee-1	IM-310
Norman Harpster 16069 State Route 235 Belle Center, OH 43310 937-464-5623 Norman Harpster, owner	Harpster Pit	Hardin	sand & gravel	8	8	Hdn-H	IM-864
Harrison Sand & Gravel Co. 10980 Campbell Rd. Harrison, OH 45030 513-367-5174 Donald L. Gauck, v. pres.	Harrison Sand & Gravel Co.	Hamilton	sand & gravel	400	400	Hmn-17	IM-295

[2]Graymont Dolime (OH), Inc. and Stansley Mineral Resources operate from the same mine.

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Hartley Gravel 22941 Hartley Rd. Alliance, OH 44601 330-823-0003 Jacob Maendel, pres.	Hartley Gravel	Columbiana	sand & gravel	7,763	7,763	Ca-H1	IM-2033
Harvest Sand & Gravel, Inc. 2295 Bazetta Rd. Cortland, OH 44410 330-372-4408 Herbert Cottrell, pres.	Eberly Harvest Sand & Gravel, Inc.	Columbiana Columbiana	sand & gravel clay	39,506	39,505	Ca-H2 Ca-H	IM-2174 IM-2027
Haubeil & Sons Asphalt & Materials, Inc. 379 Seney Rd. Chillicothe, OH 45601 740-773-6358 George W. Haubeil, pres.	Haubeil & Sons Asphalt & Materials, Inc.	Ross	sand & gravel			Rs-H	IM-1052
Haueter Sand & Gravel, Inc. P.O. Box 206 Chardon, OH 44024 440-286-9482 Donald H. Haueter, pres.	Haueter Sand & Gravel, Inc. Haueter Sand & Gravel, Inc.	Geauga Geauga	sand & gravel sand & gravel	136,000	136,000	Gea-29 Gea-H	IM-215 IM-510
Heiser Sand & Gravel Corp. 4833 Applegrove St. NW North Canton, OH 44720 330-499-8201 Richard L. Heiser, pres.	Heiser Sand & Gravel Corp. Heiser Sand & Gravel Corp.	Stark Stark	sand & gravel sand & gravel	35,602	35,602	Sk-HS1 Sk-HS	IM-1203 IM-1193
Ervin Hill Enterprises, Inc. P.O. Box 559 Hillsboro, OH 45133 937-393-4120 Mark Edenfield, pres.	Ervin Hill Enterprises, Inc.	Highland	sand & gravel	9,000	9,000	Hd-L	IM-1297
Hilltop Aggregate, Inc. P.O. Box 100 Mogadore, OH 44260 330-628-4000 Robert W. West, pres.	Hilltop Aggregate, Inc. Hilltop Aggregate, Inc.	Portage Portage	sand & gravel sand & gravel	 124,000	 124,000	Pe-H Pe-56	IM-2039 IM-127
Hocking Valley Concrete, Inc. 35255 Hocking Dr. Logan, OH 43138 740-385-2165 Mark Vaughn, v. pres.	Hocking Valley Concrete, Inc.	Hocking	sand & gravel	73,034	79,800	Hg-262	IM-41
William A. Hoffman, Jr. 25043 State Route 104 Circleville, OH 43113 740-474-2002 William A. Hoffman, Jr., owner	Hoffman Pit	Pickaway	sand & gravel	1,051	1,051	Pky-H	IM-1039
Hollinger Excavating 2097 Hollansburg-Arcanum Rd. New Madison, OH 45346 937-996-5381 Tom W. Hollinger, leasee	Hollinger Gravel	Darke	sand & gravel			Dke-10	IM-326
Holmes Supply Corp. 7571 State Route 83 Holmesville, OH 44633 330-279-9000 Steve Schlabach, pres.	Holmes Supply Corp.	Holmes	sand & gravel	296,804	296,804	Hs-J	IM-1043
Honey Creek Stone Co. P.O. Box 286 Petersburg, OH 44454 724-654-5537 Carmen W. Shick, pres.	Honey Creek Stone Co.	Mahoning	limestone clay	169,047	178,328	Mg-54	IM-93

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Honey Creek Valley Realty, Ltd. 812 County Rd. 2404 Loudonville, OH 44842 419-938-6508 Randy L. Burson, pres.	Honey Creek Valley Realty Ltd.	Ashland	sand & gravel			Ald-H	IM-2155
Terry A. Hoppes 1533 Moorefield Rd. Springfield, OH 45503 937-399-1531 Terry A. Hoppes, pres.	Mitchell Gravel Pit	Clark	sand & gravel			Ck-TH	IM-2133
L. A. Horn Excavating/ Construction, Inc. 35380 Hocking Dr. Logan, OH 43138 740-385-2625 Lucas A. Horn, pres.	L. A. Horn Excavating/Constr., Inc.	Hocking	sand & gravel	2,000	2,000	Hg-L	IM-2117
Hugo Sand Co. 7055 State Route 43 Kent, OH 44240 330-673-4710 Dorothy M. Strohm, pres.	Hugo Sand Co.	Portage	sand & gravel	213,450	213,450	Pe-10	IM-138
Hunter Land Development 3672 County Rd. 6-1 Delta, OH 43515 419-822-3744 Glenn Hunter, pres.	Hunter Land Development	Fulton	sand & gravel			Ftn-H	IM-1336
George J. Igel & Co., Inc. 2040 Alum Creek Dr. Columbus, OH 43207 614-445-8421 John B. Igel, pres.	George J. Igel & Co., Inc.	Pickaway	sand & gravel	138	138	Pky-C	IM-1223
J. L. & Son Excavating, Inc. 8241 Ft. Laurens Rd. NW Strasburg, OH 44680 330-878-5883 Jerry L. Slankard, pres.	Beach City Pit	Tuscarawas	sandstone	200	200	Ts-2032	IM-1141
JBM, Ltd. dba State Route 416 Sand & Gravel 764 State Route 416 SE New Philadelphia, OH 44663 330-339-4313 William P. Marino, Jr., pres.	State Route 416 Sand & Gravel	Tuscarawas	sand & gravel	29,814	29,814	Ts-2018	IM-1076
Jaclib Enterprises, Inc. 560 State Route 554 Cheshire, OH 45620 740-367-0602 Jason C. Leach, pres.	Cheshire Pit	Gallia	sand & gravel	1,840	1,840	Ga-JE	IM-2034
JALIP, Ltd. 16303 Twp. Rd. 124 Harpster, OH 43323 740-496-2008 Philip Herring, owner	JALIP, Ltd.	Wyandot	sand & gravel			Wt-J	IM-2119
James Bros. Sand & Gravel, Ltd. 3930 Boggs Rd. Zanesville, OH 43701 740-454-1522 Daniel G. James, owner	James Brothers Sand & Gravel, Ltd.	Muskingum	sand & gravel	3,100	3,100	Mum-J1	IM-2251
Janson & Sons Corp. 11829 Spencer Park Rd. Hiram, OH 44234 330-274-8896 Gary Janson, owner	Janson & Sons Corp.	Portage	sand & gravel			Pe-J	IM-2051

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Jarrett Sand Co. 6505 Skadden Rd. Sandusky, OH 44870 419-359-1750 James Jarrett, owner	Jarrett Sand Co.	Erie	sand & gravel	336	336	Ee-29	
Jaymar, Inc. 8751 N. State Route 7 Cheshire, OH 45620 740-992-6637 Jay Hall, Jr., pres.	Jaymar, Inc. Plant #4 Plant #5	Gallia Meigs Meigs	sand & gravel sand & gravel sand & gravel	815,421	815,421	Ga-J Ms-308 Ms-L	IM-1145 IM-1174 IM-1159
Johnson Stone Products, Inc. 4018 Cleveland Rd. E Huron, OH 44839 440-315-3699 Terry A. Johnson, pres.	Kipton Quarry	Lorain	sandstone	8,320	8,320	Ln-J	IM-1300
JP Sand & Gravel Co. 5911 Lockbourne Rd. P.O. Box 2 Lockbourne, OH 43137 614-497-0083 Richard A. Roberts, pres.	JP Sand & Gravel Co.	Franklin	sand & gravel	271,490	271,490	Fn-52	IM-191, IM-2193
KCI Sand & Gravel P.O. Box 946 Logan, OH 43138 740-385-6019 Edward Kilbarger, pres.	KCI Sand & Gravel	Hocking	sand & gravel	42,499	58,550	Hg-HA	IM-1320
Keeney Sand & Stone, Inc. 13320 Girdled Rd. Painesville, OH 44077 440-254-4582 Dennis J. Keeney, pres.	Keeney Sand & Stone, Inc.	Lake	sandstone	119,449	119,449	Lke-K	IM-859
Kimble Clay & Limestone Co. 3596 State Route 39 NW Dover, OH 44622-9801 330-343-1226 Keith B. Kimble, pres.	Kimble Clay & Limestone Co.	Tuscarawas	limestone sandstone clay shale	256,932 13,029 80,930 93,236	256,932 13,029 80,930 93,236	Ts-1818	IM-9
King Quarries, Inc. 41820 Parrish Ridge Caldwell, OH 43724 740-732-2923 Mary King, pres.	King Quarries, Inc.	Noble	limestone	91,285	91,285	Ne-K1	IM-1292
Kinsman Materials, Ltd. P.O. Box 76 Chardon, OH 44024 440-286-4757 Bill Clemson, pres.	Kinsman Materials, Ltd.	Ashtabula	sand & gravel	75,314	75,314	Asa-20	IM-1198
Kipp's Gravel Co., Inc. 4987 State Route 222 Batavia, OH 45102 513-732-1024 Melvin M. Kipp, pres.	Kipp's Gravel Co., Inc.	Clermont	sand & gravel	21,623		Ct-7	IM-432
Kirby's Sand & Gravel, Inc. 4876 County Hwy. 43 Upper Sandusky, OH 43351 419-927-2260 Gene Kirby, owner	Kirby's Sand & Gravel, Inc. Kirby's Sand & Gravel, Inc.	Wyandot Wyandot	sand & gravel sand & gravel	196,567	196,567	Wt-17 Wt-K	IM-604 IM-943
Kleese Development Associates, Inc. 103 W. Market St. Warren, OH 44481 330-652-5991 Robert S. Kleese, pres.	Kleese Development Associates	Trumbull	sand & gravel			Tl-K	IM-1101

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Knox County Board of Commissioners 117 E. High St. Mt. Vernon, OH 43050 740-397-1590 James L. Henry, county engineer	Apple Valley	Knox	shale	6,834	6,834	Kx-K	IM-870
Krizman Enterprises 53100 Placid Dr. South Bend, IN 46637 219-272-8887 David J. Krizman, pres.	Krizman Enterprises	Tuscarawas	sand & gravel			Ts-K	IM-2050
T & K Kuhnle Co. P.O. Box 375 Newbury, OH 44065 440-564-7168 Bob Russell, v. pres.	Munn Materials	Geauga	sand & gravel	40,901	40,901	Gea-TK	IM-902
L & I Natural Resources, Inc. 10369 Cones Rd. Loveland, OH 45140 513-459-7716 Jerry Walker, pres.	L & I Pit & Mill	Warren	sand & gravel	125,598	125,598	Wan-50	IM-1006
L & M Mineral Co. 2010 County Rd. 144 Sugarcreek, OH 44681 330-852-3696 John E. Ling, Jr., pres.	Barr Farm	Stark	sand & gravel	70	70	Sk-LM	IM-2270
			clay	3,055	3,055		
	Heil	Tuscarawas	shale	57,631	57,631	Ts-1884	IM-6
	Luikart	Tuscarawas	sandstone	10,934	10,934	Ts-1914	D-0701
			clay	10,583	10,583		
	Spring Industries	Tuscarawas	sand & gravel	5,841	5,841	Ts-SI	IM-569
	Spring	Tuscarawas	clay	6,216	6,216	Ts-1982	IM-621
L. C. Trucking Company, Inc. 2752 Springboro Pike Dayton, OH 45439 937-298-6369 C. Larry Cornett, pres.	Waynesville Mulch & Topsoil	Warren	sand & gravel	1,160		Wan-LC	IM-2167
LUB, Inc. 4174 East Pike Zanesville, OH 43701 740-452-3668 Otto Luburgh, pres.	LUB, Inc.	Muskingum	sand & gravel	11,203	11,203	Mum-LB	IM-2106
Lafarge Corp. Great Lakes Region P.O. Box 160 Paulding, OH 45879 419-399-4861 Bruno Lafont, pres.	Paulding Quarry	Paulding	limestone	804,352	804,352	Pg-1	IM-513
			clay	140,588	140,588		
Lafarge North America 555 Frost Rd., Suite 100 Streetsboro, OH 44241 330-463-1200 Ken MacLean, pres.	Kelleys Island Quarry	Erie	limestone	1,152,256	1,063,731	Ee-K	IM-727
	Petersburg	Mahoning	limestone	845,044	845,044	Mg-L	IM-1353
	Marblehead	Ottawa	limestone	4,285,713	4,216,201	Oa-7	IM-440
	Shalersville North	Portage	sand & gravel	823,852	786,927	Pe-La	IM-1047
	Shalersville South	Portage	sand & gravel			Pe-68	IM-1107
	Navarre	Stark	sand & gravel			Sk-241	IM-582
Lakeside Sand & Gravel Co. 3498 Frost Rd. Mantua, OH 44255 330-274-2569 Larry Kotkowski, pres.	Lakeside Sand & Gravel Co.	Portage	sand & gravel	599,172	599,172	Pe-40	IM-190
Latham Limestone, LLC 11641 Mosteller Rd. Cincinnati, OH 45241 513-771-0820 James P. Jurgensen, pres.	Latham Limestone	Pike	limestone	378,400	378,400	Pke-13	IM-213
Link Trucking Co., Inc. 7305 State Route 669 N McConnelsville, OH 43756 740-617-7544 Glen Kussmaul, pres.	Matthew	Morgan	sand & gravel	52,800	52,800	Mon-L	IM-1266

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Little Miami Sand & Gravel P.O. Box 36 Lebanon, OH 45036 513-932-3221 Paul N. Herdman, pres.	Little Miami Sand & Gravel Plant #1	Warren	sand & gravel			Wan-B	IM-679
	Little Miami Sand & Gravel Plant #2	Warren	sand & gravel			Wan-46	IM-842
Logan Construction 3610 County Rd. 50 Rushsylvania, OH 43347 937-468-2356 Todd Mobley, owner	Logan Construction	Logan	sand & gravel			Lgn-L	IM-2064
Loxley Aggregates, Inc. 4277 Falls Rd. Lewisburg, OH 45338 937-839-5488 Matthew L. Loxley, pres.	Loxley Aggregates, Inc.	Preble	sand & gravel	2,043	2,043	Pre-9	IM-1095
			clay	986	986		
Luburgh, Inc. 4174 East Pike Zanesville, OH 43701 740-452-3668 Otto Luburgh, pres.	Cameron Brothers	Muskingum	clay	5,000	5,000	Mum-L2	IM-2200
Lucky Sand & Gravel Co. 12018 Frost Rd. Mantua, OH 44255 330-562-6196 Bernard Udelson, pres.	Lucky Sand & Gravel Co.	Portage	sand & gravel	21,831	21,831	Pe-L	IM-154
MGQ Aggregates, Inc. P.O. Box 130 Old Fort, OH 44861 419-992-4235 Lyn O. Radabaugh, pres.	Liberty Pit	Seneca	limestone			Sa-M	IM-2239
MacRitchie Materials, Inc. P.O. Box 90 West Millgrove, OH 43467 419-288-2790 Donald B. MacRitchie, pres.	MacRitchie Materials, Inc.	Wood	limestone	297,406	268,043	Wd-1	IM-548
MAR-DEL Enterprises, Inc. P.O. Box 6156 Chillicothe, OH 45601 740-775-3098 Marvin E. Riley, pres.	MAR-DEL Enterprises, Inc.	Jackson	sand & gravel			Jkn-M	IM-2209
Marshall Quarry, Inc. 11199 State Route 124 Hillsboro, OH 45133 937-466-2560 Ronald L. Main, pres.	Marshall Quarry, Inc.	Highland	limestone	9,900	9,900	Hd-4	IM-406
Martin Marietta Aggregates 300 Star Ave, Suite 312 Parkersburg, WV 26101 304-485-7341 Dan Goethel, gen. mgr.	Apple Grove Plant	Meigs	sand & gravel	587,226	665,729	Ms-205	IM-30
Martin Marietta Aggregates 4770 Duke Dr., Suite 200 Mason, OH 45040 513-701-1141 Steve Raffensperger, v. pres.	Fairfield II Gravel	Butler	sand & gravel			Br-14	IM-147
	Fairfield Sand & Gravel	Butler	sand & gravel	2,049,672	2,307,998	Br-35	IM-200
	Hamilton Gravel	Butler	sand & gravel	318,820	288,159	Br-5	IM-153
	Ross Sand & Gravel	Butler	sand & gravel	98,854	25,747	Br-29	IM-149
	Fairborn Gravel	Clark	sand & gravel	635,011	650,361	Ck-13	IM-366
	Clinton Limestone	Clinton	limestone	551,972	535,762	Cln-W	IM-2160
	Blue Rock Limestone	Fayette	limestone	112,452	20,361	Fe-2	IM-169
	Cedarville	Greene	limestone	838,109	764,065	Ge-17	IM-435
	Haines Rd.	Greene	sand & gravel			Ge-32	IM-400
	Spring Valley S & G	Greene	sand & gravel	40,150	1,000	Ge-42	IM-954, IM-2123
	Xenia S & G	Greene	sand & gravel	534,951	564,080	Ge-33	IM-379
	E-town Sand & Gravel	Hamilton	sand & gravel	963,400	1,108,781	Hmn-71	IM-771
	Harrison Sand & Gravel	Hamilton	sand & gravel	214,589	46,931	Hmn-37	IM-170
	Miamitown	Hamilton	sand & gravel	600	600	Hmn-D	IM-1079
	Stuart Pit	Hamilton	sand & gravel			Hmn-P	IM-1333
	Lynchburg Quarry	Highland	limestone	5,731	5,886	Hd-M	IM-1170

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
	Troy Sand & Gravel	Miami	sand & gravel	422,464	443,421	Mi-3	IM-462, IM-658
	Phillipsburg	Montgomery	limestone	949,560	975,723	My-1	IM-374
	Rip Rap Rd.	Montgomery	sand & gravel	160	550	My-66	IM-677
	Franklin Gravel	Warren	sand & gravel	349,742	327,856	Wan-38	IM-615
Martin Marietta Magnesia Specialties, Inc. 755 Lime Rd. Woodville, OH 43469 419-849-4200 Tim Tawney, oper. mgr.	Woodville Quarry	Sandusky	limestone	2,621,595	2,645,090	Sy-1	IM-537
R.J. Martin Service & Excavating 1875 Roxanna-New Burlington Rd. Waynesville, OH 45068 937-862-4182 Roger J. Martin, pres.	Horseshoe Bend Sand & Gravel, Inc.	Greene	sand & gravel	766	766	Ge-40	IM-923
MAR-ZANE Materials, Inc. P.O. Box 1585 Zanesville, OH 43702-1585 740-453-0721 Nick Little, pres.	Enterprise Pit	Hocking	sand & gravel	1,129	1,129	Hg-HV	IM-1284
Massillon Materials, Inc. 26 N. Cochran St. P.O. Box 499 Dalton, OH 44618 330-837-4767 Howard J. Wenger, pres.	Massillon Materials, Inc.	Stark	sand & gravel	684,113	684,113	Sk-M	IM-1031
	MMI Warmington Plant	Stark	sand & gravel	394,695	394,695	Sk-M1	IM-1332
	MMI Sandyville Plant	Tuscarawas	sand & gravel	518	518	Ts-MM	IM-1324
Mathews Sand & Gravel 5061 Monroe Center Conneaut, OH 44030 440-594-1130 Edward G. Mathews, owner	Mathews Sand & Gravel	Ashtabula	sand & gravel	450	450	Asa-M	IM-1301
James L. Meade 2151 State Route 46 N Jefferson, OH 44047 440-593-6902 James L. Meade, pres.	Meade	Ashtabula	sand & gravel			Asa-JM	IM-2242
Mechanicsburg Sand & Gravel, Inc. P.O. Box 18 Mechanicsburg, OH 43044 937-834-2606 James G. Cushman, pres.	Mechanicsburg Sand & Gravel, Inc.	Champaign	sand & gravel	174,539	174,539	Cpn-22	IM-889
The Melvin Stone Co., LLC P.O. Box 158 Sabina, OH 45169 937-584-2486 Dennis J. Garrison, pres.	Melvin Stone Co., LLC	Clinton	limestone	1,581,019	1,581,019	Cln-1	IM-241
	Fayette	Fayette	limestone			Fe-1	IM-831
	Bowersville	Greene	limestone	491,621	491,621	Ge-M	IM-2052
	Circleville	Pickaway	sand & gravel	288,148	288,148	Pky-R	IM-993
	Williamsport	Pickaway	limestone	394,600	394,600	Pky-4	IM-209
	Plano Road	Ross	limestone	508,860	508,860	Rs-MC1	IM-1298
Menuez Bros. Sand & Gravel, Inc. 5366 County Rd. 349 Route 1 Millersburg, OH 44654 330-674-4254 J. Mark Menuez, v. pres.	Menuez Bros. Sand & Gravel, Inc.	Holmes	sand & gravel	166,239	175,000	Hs-82	IM-707
Mesenburg Bros., Inc. 2366 Wells Rd. Collins, OH 44826 419-668-5691 William Mesenburg, pres.	Mesenburg Bros., Inc.	Huron	sandstone	28,515	28,515	Hrn-8	IM-268
Miami River Stone Co. 1700 Miami River Rd. Sidney, OH 45365 937-492-5412 Thomas P. Milligan, pres.	Miami River Stone Co.	Shelby	limestone	615,304	596,340	Shy-17	IM-389
			sand & gravel	51,714			
	Rock Run	Shelby	limestone			Shy-16	IM-411
	Staley Pit	Shelby	sand & gravel	14,375	8,315	Shy-SS	IM-438
	Washington Twp. Pit	Shelby	sand & gravel			Shy-13	IM-412

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Miami View Mining Co., Ltd. 998-B East Ridge Dr. Lebanon, OH 45036 513-932-6481 James P. Jurgensen, managing mbr.	Miami View	Warren	sand & gravel	640,075	640,075	Wan-MV	IM-1329
Mid Ohio Resources 459 State Route 97 W Belleville, OH 44813 352-369-8600 Darryl C. Lanker, pres.	Belleville West	Richland	sand & gravel	237	3,295	Rd-M1	IM-2191
Miller Bros. Gravel, Inc. 7900 S. Kessler-Frederick Rd. Tipp City, OH 45371 937-836-0981 Thomas O. Miller, pres.	Miller Bros. Gravel, Inc.	Montgomery	sand & gravel	251,534	298,405	My-52	IM-348
Miller's Sand & Gravel, Inc. 10228 State Route 82 Windham, OH 44288 330-326-3157 Brian K. Miller, pres.	Miller Sand & Gravel, Inc.	Portage	sand & gravel			Pe-39	IM-1078
Millersville Lime Inc. 3964 County Rd. 41 Millersville, OH 43435-9786 419-995-5553 Thomas Buck, pres.	Millersville Plant Woodviille Plant	Sandusky Sandusky	limestone limestone	322,341	332,341	Sy-4 Sy-3	IM-381 IM-282
Milton Materials, LLC 7131 West Fenner Rd. Ludlow Falls, OH 45339 937-698-7048 Tom Wagner, pres.	Milton Materials Fenner Pit	Miami	sand & gravel clay	99,607 216	150,000 216	Mi-4	IM-472
Moon Enterprises, Inc. 2701 South Eber Rd. Monclova, OH 43542 419-866-1317 Kenneth Mark Moon, pres.	Moon Enterprises, Inc.	Lucas	sand & gravel			Ls-ME	IM-1345
Moore's Excavating Co. 2222 N. U.S. Hwy. 68 Urbana, OH 43078 937-653-6288 Dorothy Moore, pres.	Moore's Excavating Co. Moore's Excavating Co. Moore's Excavating Co.	Champaign Champaign Clark	sand & gravel sand & gravel sand & gravel	33 3,661	 3,661	Cpn-20 Cpn-25 Ck-29	IM-482 IM-1227 IM-1233
Moraine Materials Co., Inc. 9661 Sugar St. Germantown, OH 45327 937-743-0650 George Kling, pres.	Germantown Plant 21 Carlisle Plant #27	Montgomery Warren	sand & gravel sand & gravel	197,874	197,874	My-41 Wan-7	IM-360 IM-151
Morrow Gravel Co. 11641 Mosteller Rd. Cincinnati, OH 45241 800-686-9725 James P. Jurgensen, pres.	Urbana Morrow Gravel Co. Morrow Gravel Co.	Champaign Warren Warren	sand & gravel sand & gravel sand & gravel	201,000	201,000	Cpn-1 Wan-M Wan-M1	IM-371 IM-728, IM-1065 IM-1051
Morton International, Inc. Morton Salt Division P.O. Box 428 Grand River, OH 44045-0428 440-639-4243 Mark Mitchell, facility mgr.	Fairport Mine	Lake	salt	818,749	965,500	Lke-6	
Morton International, Inc. Morton Salt Division 151 S. Industrial St. P.O. Box 337 Rittman, OH 44270-0337 330-925-3015 Walter W. Becky, pres.	Morton Salt Well Field	Wayne	salt	470,020	476,000	We-9129	

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Muskingum River Gravel Co.	S & S Aggregate #8	Hocking	sand & gravel	109,218	111,090	Hg-301	IM-458
P.O. Box 1585	S & S Aggregate #1	Muskingum	sand & gravel	232,733	231,491	Mum-228	IM-421
Zanesville, OH 43702-1585	S & S Aggregate	Muskingum	sand & gravel			Mon-M	IM-0718
740-453-0721	S & S Aggregate Plant #7	Ross	sand & gravel	164,703	183,393	Rs-M	IM-114
Nick Little, pres.	Plant #2	Washington	sand & gravel	21,742	20,708	Wn-38	IM-701
National Aggregates, Inc.	National Aggregates, Inc.	Stark	sand & gravel	174,015	174,015	Sk-1017	IM-1186
P.O. Box 340							
Malvern, OH 44644							
330-866-1999							
William Scheckler, pres.							
National Lime & Stone Co.	Lima Plant	Allen	limestone	1,355,000	1,355,000	An-3	IM-484
P.O. Box 120	Buckland Plant	Auglaize	limestone	445,000	445,000	Ae-10	IM-486
Findlay, OH 45839-0120	Wapakoneta Plant	Auglaize	sand & gravel			Ae-30	IM-598
419-422-4341	Bucyrus Plant	Crawford	limestone	1,975,000	1,975,000	Cd-1	IM-404
Ronald W. Kruse, pres.	Delaware Plant	Delaware	limestone	4,134,000	4,134,000	Del-5	IM-207
	Meredith Quarry	Delaware	limestone			Del-2	IM-299
	Warrensburg	Delaware	limestone			Del-3	IM-327
	Findlay Plant	Hancock	limestone	754,000	754,000	Hk-7	IM-1002
	Ridge Quarry	Hancock	limestone			Hk-A	IM-1299
	County Line Quarry	Hardin	limestone			Hdn-N	IM-2072
	Hamilton Quarry	Marion	limestone			Mn-2	IM-423
	Marion Plant	Marion	limestone	956,000	956,000	Mn-3	IM-168
	Rimer Plant	Putnam	limestone	222,000	222,000	Pm-N	IM-0479
	Carey Plant	Wyandot	limestone	2,737,000	2,737,000	Wt-1	IM-405
	Sammet	Wyandot	sand & gravel	112,000	112,000	Wt-N	IM-2132
	Upper Sandusky Plant	Wyandot	sand & gravel	51,000	51,000	Wt-15	IM-376, IM-551
Neer's Sand & Gravel	Neer's Sand & Gravel	Logan	sand & gravel	110,291	149,608	Lgn-6	IM-459
4859 Twp. Rd. 45							
Bellefontaine, OH 43311							
937-585-6733							
Arden J. Neer, Sr., owner							
Nelson Sand & Gravel, Inc.	Nelson Sand & Gravel, Inc.	Ashtabula	sand & gravel	53,210	53,210	Asa-N1	IM-2102
P.O. Box 466							
Kingsville, OH 44048							
440-224-0198							
Thomas H. Nelson, pres.							
New Carlisle Sand & Gravel Co.	New Carlisle Sand & Gravel Co.	Miami	sand & gravel			Mi-501	
6090 S. Scarff Rd.							
New Carlisle, OH 45344							
937-845-8434							
James R. Upton, owner							
Newbury Sand & Gravel, Inc.	Newbury Sand & Gravel, Inc.	Geauga	sand & gravel			Gea-N	IM-1123
14757 Ravenna Rd.							
Burton, OH 44021							
440-834-0200							
Tom Thomas, pres.							
Newton Asphalt Paving, Inc.	516	Tuscarawas	sand & gravel	115,892	115,892	Ts-2001	IM-1004
P.O. Box 86							
Strasburg, OH 44680							
330-878-5648							
George A. Gessner, pres.							
J. E. Nicolozakes Co.	Bank One	Tuscarawas	sand & gravel	224,000	224,000	Ts-N	IM-2032
62920 Georgetown Rd.							
Cambridge, OH 43725							
740-435-3222							
John E. Nicolozakes, pres.							
Andy Nixon Contractors, Inc.	Nixon Pit	Williams	sand & gravel			Ws-N	IM-1291
14227 County Rd. P							
Pioneer, OH 43554							
419-737-2060							
Carol J. Nixon, pres.							

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
North Shore Stone Quarries, Inc. 72 Fernhill Ave. Columbus, OH 43228 614-878-0620 Clifford Hammond, pres.	North Shore Stone Quarries, Inc.	Seneca	limestone	2,435	2,435	Sa-8	IM-313
Northwest Ohio Property Developments, Ltd. P.O. Box 23242 Toledo, OH 43623 419-260-4406 Gene W. Borton, pres.	NOPD, Ltd.	Fulton	sand & gravel	17,177	17,177	Ftn-NW	IM-2138
Nuway Services 3441 Sportsman Club Rd. Johnstown, OH 43031 740-587-2451 Wilda McInturff, pres.	Hopewell	Licking	clay	11,055	11,055	Lg-NU	IM-2046
Carl E. Oeder & Sons Sand & Gravel 3890 Turtlecreek Rd. Lebanon, OH 45036 513-494-1555 Carl E. Oeder, pres.	Carl E. Oeder and Sons Sand & Gravel	Warren	sand & gravel	505,368	505,368	Wan-41	IM-629
Oglebay Norton Industrial Sands, Inc. 2446 Glassrock Rd. Glenford, OH 43739 740-342-8710 Steve Bell, gen. mgr.	Millwood Plant	Knox	sandstone	152,883	180,872	Kx-1	IM-269
	Glass Rock Plant	Perry	sandstone	247,740	322,062	Py-344	IM-1014
Ohio Asphaltic Limestone Corp. 8591 Mad River Rd. Hillsboro, OH 45133 937-364-2191 Diana M. Jones, pres.	Ohio Asphaltic Limestone Corp.	Highland	limestone			Hd-O	IM-2056
	Ohio Asphaltic Limestone Corp.	Highland	limestone			Hd-O1	IM-2068
	Ohio Asphaltic Limestone Corp.	Highland	limestone	526,170	526,170	Hd-3	IM-253
Olen Corp. 4755 S. High St. Columbus, OH 43207-4028 614-491-1515 Kenneth W. Holland, pres.	Columbus Plant #3	Franklin	sand & gravel	2,154,000	2,154,000	Fn-58	IM-1023
	Darel L. Hathaway	Knox	sand & gravel			Kx-DH	IM-2078
	Fredericktown Plant #2	Knox	sand & gravel	476,000	476,000	Kx-O	IM-2159
	St. Louisville Plant #5	Licking	sand & gravel	349,000	349,000	Lg-31	IM-246
	Hickerson	Richland	sand & gravel			Rd-O	IM-2257
	Chillicothe	Ross	sand & gravel	62,000	62,000	Rs-G	IM-2099
	Upper Sandusky	Wyandot	limestone	602,000	602,000	Wt-3	IM-298
Oneida Sand & Gravel, Inc. P.O. Box 910 Malvern, OH 44644 330-863-0808 Rodney L. Smitley, pres.	Oneida Sand & Gravel, Inc.	Carroll	sand & gravel	25,000	25,000	Cl-204	IM-554
Oster Sand & Gravel, Inc. 5947 Whipple Ave. NW North Canton, OH 44720-7692 330-494-5472 Marlene K. Oster, pres.	Malvern Plant	Carroll	sand & gravel			Cl-O	IM-2082
	Massillon Plant	Stark	sand & gravel	634,503	634,503	Sk-165	IM-192
	Oster Sand & Gravel, Inc. - Bolivar	Tuscarawas	sand & gravel	101,831	101,831	Ts-2036	IM-1155
Ours Sand & Gravel 20444 State Route 7 S Crown City, OH 45623 740-256-1378 Donald A. Ours, owner	Ours Sand & Gravel	Gallia	sand & gravel	5,680	5,680	Ga-O	IM-1028
Oxford Mining Co., Inc. P.O. Box 427 Coshocton, OH 43812 740-622-6302 Charles C. Ungurean, pres.	Dailey Mine	Columbiana	clay			Ca-CE2	D-2097
	Barr Farm	Stark	clay	4,014	4,014	Sk-235	IM-945
	Stone Creek	Tuscarawas	clay	21,469	21,469	Ts-H7	D-2109

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Patrick Excavating, Inc. 5839 State Route 5 P.O. Box 38 Ravenna, OH 44266 330-296-7706 Tim Patrick, pres.	Patrick	Portage	sand & gravel clay	2,123 1,214	2,123 1,214	Pe-P	IM-1322
R. H. Penick Co., Ltd. 1504 Blue Jay Rd. Heath, OH 43056-1767 740-323-3040 Robert & Suzanne Neumeyer, owners	R. H. Penick Co.	Licking	salt	6,728	6,728	Lg-45	
Phillips Sand & Gravel P.O. Box 187 Alpha, OH 45301 937-426-5461 Richard Phillips II, pres.	Phillips Sand & Gravel	Greene	sand & gravel	366,149	366,149	Ge-36	IM-305
Piqua Materials, Inc. Piqua Minerals Division 1750 W. Statler Rd. Piqua, OH 45356 937-773-4824 Albert Donovan, mgr.	Piqua Minerals Division	Miami	limestone	648,963	699,686	Mi-1	IM-382
C. F. Poeppelman, Inc. 4755 N. State Route 721 Bradford, OH 45308 937-448-2191 James C. Poeppelman, pres.	C. F. Poeppelman, Inc.	Miami	limestone	407,967	407,967	Mi-10	IM-335
Portage Aggregate & Supply, LLC 10155 Royalton Rd. N. Royalton, OH 44133 330-297-6800 Anthony J. Farinacci, pres.	Portage Aggregate & Supply, LLC	Portage	sand & gravel	100,851	100,851	Pe-M	IM-1312
Power Development Corp. P.O. Box 936 Malvern, OH 44644 330-863-0603 Paul W. Robertson, pres.	Power Development/Robertson	Carroll	sand & gravel	1,150	2,750	Cl-PD	IM-1352
Precision Aggregates I, LLC 4843 County Rd. 43 Upper Sandusky, OH 43351 419-352-4581 Randolph G. Schmeltz, pres.	Precision Aggregate I, LLC	Wyandot	sand & gravel	54,300	54,300	Wt-4	IM-520
Precision Aggregates II, LLC 12205 E. Gypsy Ln. Bowling Green, OH 43402 419-352-4681 Randolph G. Schmeltz, pres.	Precision Aggregates II, LLC	Wood	limestone	200,000	200,000	Wd-14	IM-1157
Precision Aggregates III, LLC 100 South Stone St. Fremont, OH 43420 419-333-2366 Randolph G. Schmeltz, pres.	Precision Aggregates III, LLC	Sandusky	sand & gravel	150,000	150,000	Sy-5	IM-0259
Putnam Stone Co. 7053 Road M Ottawa, OH 45875-9754 419-523-6004 Tony Shroyer, pres.	Putnam Stone Co.	Putnam	limestone	250,714	286,787	Pm-2	IM-570
Quality Ready Mix, Inc. 12201 Fryburg Rd. Wapakoneta, OH 45895 419-738-2817 Robert E. Hirschfeld, pres.	Quality Pit	Auglaize	sand & gravel	15,408	15,408	Ae-16	IM-595

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Quality Stone Co. 8751 N. State Route 7 Cheshire, OH 45620 740-992-6637 Jay Hall, Jr., pres.	Quality Stone Co. Route 32	Vinton Vinton	limestone limestone	 315,755	 315,755	Vn-190 Vn-193	D-0761
R & S Materials, Inc. 937 Kertesz Clinton, OH 44216 330-499-1024 Gary A. Ross, pres.	Copley Sand & Gravel	Summit	sand & gravel			St-54	IM-934
R. L., Ltd. 5850 Dryfork Rd. Cleves, OH 45002 513-367-5700 Otis Ashcraft, pres.	R. L., Ltd.	Hamilton	sand & gravel	2,104	2,104	Hmn-67	IM-529
Rainbow Sand & Gravel, Inc. P.O. Box 240 Bristol, OH 44402 330-889-9400 Rex King, pres.	Rainbow Sand & Gravel, Inc.	Portage	sand & gravel	72,726	72,726	Pe-64	IM-1017
Razor Lake S. & G., LLC 59894 County Rd. 9 Newcomerstown, OH 43832 740-294-1370 Terry L. Jurin, owner	Razor Lake S. & G., LLC	Coshocton	sand & gravel	39,068	39,068	Cn-R	IM-2175
Regeneration Materials P.O. Box 146 Dundee, OH 44624 330-852-2012 Matthew Maendel, pres.	Dundee Mine	Tuscarawas	sand & gravel sandstone	 8,588	 8,678	Ts-1660	IM-68
Ridge Township Quarry 16905 Middlepoint Rd. Van Wert, OH 45891 419-238-2533 Jenny Lautenschleger, foreman	Ridge Township Quarry	Van Wert	limestone	124,537	124,537	Vt-7	IM-642
Riverside Sand & Gravel Co., Inc. P.O. Box 324 Tallmadge, OH 44278-0324 330-673-2021 Albert H. Acken, Jr., pres.	Riverside Sand & Gravel Co., Inc.	Summit	sandstone	2,690	2,690	St-24	IM-239
Gary Roberts Excavating 570 Derby Downs Rd. Newark, OH 43055 740-763-3206 Gary L. Roberts, owner	Gary Roberts Excavating	Licking	sand & gravel	965	965	Lg-504	IM-991
Rockwell Sand & Gravel, Inc. P.O. Box 2177 Streetsboro, OH 44241 330-628-0697 Roger Schuck, pres.	Ruefner	Portage	sand & gravel			Pe-R	IM-2037
Roy M. Roush 11278 Darby Creek Rd. Orient, OH 43146 614-877-4792 Roy M. Roush, owner	R Farm S & G	Pickaway	sand & gravel	4,750	4,750	Pky-RR	IM-2040
Royalty Enterprises, Inc. P.O. Box 8680 Newark, OH 43058 740-323-3333 Clayton King, pres.	King #1	Licking	salt			Lg-4484	

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Rumpke Mountain Mining Co. 10795 Hughes Rd. Cincinnati, OH 45251 513-851-0122 William J. Rumpke, pres.	Rumpke Mountain Mining Co.	Hamilton	clay			Hmn-72	IM-1264
Rumpke Waste, Inc. 9427 Beyers Rd. Georgetown, OH 45121 513-851-0122 William J. Rumpke, pres.	Rumpke Waste, Inc.	Brown	clay shale	47,583 30,906	47,583 30,906	Bn-W	IM-2076
Rupp Construction, Inc. 18228 Fulton Rd. Marshallville, OH 44645 330-855-2781 Gary D. Radabaugh, pres.	Rupp Construction, Inc.	Wayne	sand & gravel	378,317	378,317	We-7	IM-471
S & S Aggregate, Inc. P.O. Box 1585 Zanesville, OH 43702-1585 740-453-0721 Nick Little, v. pres.	Lockbourne Rd. S & S Agg #16 Twin Lakes - S & S Ag #10 Twin Lakes- S & S Agg. #11 S & S Agg #14 Twin Lakes - S & S Agg #9	Franklin Portage Portage Portage Richland Summit	sand & gravel sand & gravel sand & gravel sand & gravel sand & gravel sand & gravel	 496,659 233,620 81,664	 515,055 210,175 95,701	Fn-24 Pe-15 Pe-67 Pe-59 Rd-5 St-44	IM-266 IM-104 IM-202 IM-210 IM-470 IM-178
S.R.I., Inc. 1550 Soldiers Home-West Carrollton Dayton, OH 45418 937-268-8991 Steve Rauch, pres.	S.R.I., Inc.	Montgomery	sand & gravel	241	241	My-R	IM-539
SDI Steel Buildings, LLC 713 Keystone St. Crooksville, OH 43731 740-982-4280 Mark B. Swingle, pres.	SDI Steel Buildings, LLC	Perry	clay			Py-SDI	IM-2182
Salt Creek Materials 880 Spry Rd. Zanesville, OH 43701 614-872-3860 Charles Lighthizer, pres.	Salt Creek Materials	Muskingum	sand & gravel			Mum-216	IM-689
Sandkuhl Clay Works, Inc. 05536 Kossuth-Amanda Rd. Spencerville, OH 45887 419-647-2905 Ann L. Engh, pres.	Sandkuhl Clay Works, Inc.	Auglaize	clay	5,104	5,104	Ae-7	
Sandman Trucking, Inc. 9025 Old Airport Hwy. Holland, OH 43528 419-865-1666 Robert H. Parker, Jr., pres.	Sandman Trucking, Inc. Sandman Trucking, Inc.	Fulton Fulton	sand & gravel sand & gravel	45,350	45,350	Ftn-SA1 Ftn-SA	IM-2136 IM-1335
Guy Schieve 52943 State Route 113 Wakeman, OH 44889 440-965-8792 Guy Schieve, owner	Schieve Pit	Lorain	sand & gravel	4,500	4,500	Ln-12	IM-731
Schloss Materials Co. 13700 McCracken Rd. Cleveland, OH 44125 216-587-4900 Raymond E. Schloss, Jr., pres.	Schloss Materials Co. Schloss Materials Co.	Portage Portage	sand & gravel sand & gravel	 68,000	 68,000	Pe-SM Pe-60	IM-499 IM-78
Schrader and Son, Inc. 15317 Beaver Pike Jackson, OH 45640 740-286-0258 Jeffrey L. Schrader, pres.	Schrader & Son, Inc.	Pike	sandstone	32,982	32,982	Pke-S	IM-1348

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Roy B. Schweitzer dba The Gravel Co. 700 West Pete Rose Way Cincinnati, OH 45203 513-721-6000 Roy B. Schweitzer, pres.	New Miami Pit	Butler	sand & gravel	187,550	187,550	Br-3	IM-719
	Cleves	Hamilton	sand & gravel			Hmn-28	IM-353
Scioto Sand & Stone, Inc. P.O. Box 2423 Huntinton, WV 25725 740-574-5058 Talbert Ball, pres.	Scioto #1	Scioto	sand & gravel			So-BT	IM-1286
Mark E. Scott P.O. Box 6112 Chillicothe, OH 45601 740-772-4990 Mark E. Scott, owner	Scott Pit	Ross	sand & gravel	20,000	20,000	Rs-P	IM-122
Seville Sand & Gravel, Inc. 8215 Seville Rd. Lodi, OH 44254 330-948-1812 George Cross, pres.	Seville Sand & Gravel, Inc.	Medina	sand & gravel	295,950	284,700	Ma-22	IM-425, IM-442, IM-650, IM-651
Betty Sewell and Rebecca Johnson 3403 U.S. Route 68 S Bellefontaine, OH 43311 937-593-5602 Betty Sewell and Rebecca Johnson, owners	Johnson Gravel Pit	Logan	sand & gravel			Lgn-J	IM-2053
Shady Bend Sand & Gravel 550 Pleasant Valley Rd. NW P.O. Box 336 Sugarcreek, OH 44681 330-852-4862 Daniel O. Miller, owner	Shady Bend Sand & Gravel	Coshocton	sand & gravel	50,163	50,163	Cn-624	IM-243
Shamrock Materials, Inc. 11641 Mosteller Rd. Cincinnati, OH 45241 513-771-0820 James P. Jurgensen, pres.	Shamrock	Butler	sand & gravel	308,000	308,000	Br-52	IM-814
	Walls Material	Darke	limestone	253,210	253,210	Dke-1	IM-362
Sharon Stone Co. P.O. Box 100 Dexter City, OH 45727 740-783-3575 John P. McCort, pres.	Sharon Stone Co.	Noble	limestone	87,391	87,391	Ne-S	IM-913
	Belpre Sand & Gravel	Washington	sand & gravel	345,075	345,075	Wn-SS	IM-2006
Shelly Materials, Inc. 80 Park Dr. Thornville, OH 43076 740-246-6315 Dan Montgomery, pres.	Shelly Materials, Inc. Plant #1336	Champaign	sand & gravel	288,215	576,430	Cpn-21	IM-616
	Springfield Plant #1303	Clark	sand & gravel	229,847		Ck-25	IM-358
	Apache Pit #1	Coshocton	sand & gravel	74,243	74,243	Cn-783	IM-717
	Apache Pit #2	Coshocton	sand & gravel			Cn-718	IM-227
	Shelly Materials, Inc. Plant #1305	Coshocton	sand & gravel	288,150	288,150	Cn-694	IM-293
	Shelly Materials, Inc. Plant #1314	Fairfield	sand & gravel	440,288	440,288	Fd-13	IM-848, IM-1331
	Columbus Limestone #331	Franklin	limestone	4,402,891	4,402,891	Fn-53	IM-185
	Lockbourne #1333	Franklin	sand & gravel	602,589	602,589	Fn-23	IM-183
	Marble Cliff Plant #0332	Franklin	limestone	2,053,234	2,053,234	Fn-2	IM-261
	Eagle Material Supply, Ltd. Plant #1312	Licking	sand & gravel	72,938	72,938	Lg-W	IM-1213
	Van Wey Sand & Gravel Plant #1312	Licking	sand & gravel	673,561	673,561	Lg-10	IM-217
	Shelly Materials, Inc. Plant #1306	Meigs	sand & gravel	394,566	394,566	Ms-298	IM-32
	East Fultonham	Muskingum	limestone	1,073,458	1,073,458	Mum-106	IM-297
	Shelly Materials, Inc. Plant #1309	Muskingum	sand & gravel	204,150	204,150	Mum-799	IM-317, IM-264
	Jefferson Materials Plant #1302	Portage	sand & gravel	370,510	370,510	Pe-63	IM-82
	Shelly Material, Inc. Plant #1321	Ross	sand & gravel	405,031	405,031	Rs-27	IM-1098
	Shelly Materials, Inc.	Scioto	sand & gravel	142,476	142,476	So-79	IM-221
	Allied Corp., Inc. #1301	Stark	sand & gravel	515,299	515,299	Sk-N	IM-156
	Allied Corp., Inc.	Stark	sand & gravel			Sk-173	IM-879
	Shelly Materials, Inc. Plant #0310	Union	limestone	1,740,963	1,740,963	Un-2	IM-236
	Willow Island Plant #1341	Washington	sand & gravel	883,871	883,871	Wn-C	IM-1315

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Shelly Materials, Inc.	Forest Quarry	Hardin	limestone	478,413	477,297	Hdn-S	IM-1034
P.O. Box 3100	Hardin Quarry	Hardin	limestone	377,577	147,976	Hdn-2	IM-443
Findlay, OH 45840	Belle Center	Logan	limestone	384,222	376,152	Lgn-2	IM-494
419-422-8854	East Liberty Quarry	Logan	limestone			Lgn-1	IM-574
John Powers, pres.	Tri-County Limestone Co.	Marion	limestone			Mn-1	IM-250
	York Center Quarry	Union	limestone	476,537	501,249	Un-1	IM-208
Sidco Development, Inc.	Columbia Cement	Muskingum	limestone			Mum-SD	IM-1313
4620 Limestone Valley Rd.	Midvale Sand & Gravel	Tuscarawas	sand & gravel	256,450	256,450	Ts-S2	IM-1356
Zanesville, OH 43701							
740-849-2422							
Jeffrey R. Sidwell, pres.							
R. W. Sidley, Inc.	Sidley-Kingsville Plant	Ashtabula	sand & gravel	37,600	39,100	Asa-15	IM-783
615 W. Main St.							
Conneaut, OH 44030							
440-352-9343							
Robert Buescher, pres.							
R. W. Sidley, Inc.	Thompson Pit	Geauga	sandstone	102,000	160,000	Gea-1	IM-163
7123 Madison Rd.	Sidley-Painesville Plant	Lake	sand & gravel	1,000	1,000	Lke-7	IM-162
Thompson, OH 44086							
440-352-9343							
Robert Buescher, pres.							
Sidney Sand & Gravel Co.	Wagner Pit	Shelby	sand & gravel			Shy-S	IM-1005
1700 Miami River Rd.							
Sidney, OH 45365							
937-492-5412							
Thomas P. Milligan, pres.							
Sidwell Materials, Inc.	Bellaire Stone	Belmont	limestone	164,734	164,734	Bt-1190	IM-1089
4620 Limestone Valley Rd.			sandstone	1,858	1,858		
Zanesville, OH 43701	Uniontown Stone	Belmont	limestone	350,521	350,521	Bt-N	IM-1283
740-849-2422			sandstone	1,562	1,562		
Jeffrey R. Sidwell, pres.	Dupler/Ford	Muskingum	limestone	373,654	373,654	Mum-SB	IM-1212, IM-1269
	Moore	Muskingum	limestone			Mum-S	IM-2214
	Sidwell Materials, Inc.	Muskingum	limestone			Mum-SW	IM-2092
	White Cottage	Muskingum	limestone	46,194	46,194	Mum-104	IM-277
Joe Simak & Sons Trucking, Inc.	Amboy Pit	Ashtabula	sand & gravel			Asa-ST	IM-1349
3052 E. Center St.	Baird Pit	Ashtabula	sand & gravel	13,900	13,900	Asa-JS	IM-1360
P.O. Box 599	Dreslinski Pit	Ashtabula	sand & gravel	35,000	35,000	Asa-JS1	IM-2130
North Kingsville, OH 44068	North Ridge Pit	Ashtabula	sand & gravel	95,000	95,000	Asa-18	IM-949
440-224-1992			clay	8,500	8,500		
Joseph E. Simak, pres.							
Small's Sand & Gravel, Inc.	Small's Sand & Gravel, Inc	Knox	sand & gravel	30,135	30,135	Kx-S	IM-2000
P.O. Box 617	Small's Sand & Gravel, Inc.	Knox	sand & gravel	300,288	300,288	Kx-15	IM-967
Gambier, OH 43022	Small's Sand & Gravel, Inc.	Knox	sand & gravel	50	50	Kx-17	IM-968
740-427-3677							
Michael W. Small, pres.							
George C. Smith/Mason's Sand & Gravel Co.	Mason's Sand & Gravel Co.	Franklin	sand & gravel	63,622	63,622	Fn-11	IM-234
2385 Rathmell Rd.							
Obetz, OH 43207							
614-491-3611							
George C. Smith, pres.							
Sober Sand & Gravel Co.	Sober Sand & Gravel Co.	Portage	sand & gravel	258,000	258,000	Pe-18	IM-193
2898 Tallmadge Rd.			clay	10,000	10,000		
Ravenna, OH 44266							
330-325-7088							
Tracy Sober, pres.							
Soehnlen Bros. Sand & Gravel, Inc.	Soehnlen Bros. Sand & Gravel, Inc.	Tuscarawas	sand & gravel	158,863	158,863	Ts-1826	IM-88
10449 Soehnlen Rd. NW							
Beach City, OH 44608							
330-756-2244							
Francis L. Soehlen, pres.							

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Solomon's Mines, Inc. 7732 Salem-Unity Rd. Salem, OH 44460 330-337-0123 Jack Solomon, owner	Solomon's Mines, Inc. Solomon's Mines, Inc.	Columbiana Mahoning	sand & gravel sandstone sand & gravel clay	70,393 29,592	70,393 29,592	Ca-S Mg-632	IM-1258 IM-808
Solon Excavators Sand & Gravel, Inc. 7826 Ferguson Rd. Streetsboro, OH 44241 330-626-2560 Howard Sargent, pres.	Brugman Valley Brook Valley Brook	Portage Portage Portage	sand & gravel sand & gravel sand & gravel	62,000		Pe-S1 Pe-V Pe-V1	IM-2126 IM-2061 IM-2151
Soltis Sand & Gravel P.O. Box 452 Parkman, OH 44080 440-548-5813 James Soltis, owner	Soltis Sand & Gravel	Geauga	sand & gravel clay	1,794 2,587	2,040 2,587	Gea-9	IM-132
South Central Sand & Gravel 340 Bailey Chapel Rd. Piketon, OH 45661 740-289-2629 James A. Nier, owner	South Central Sand & Gravel	Pike	sand & gravel	22,607	22,607	Pke-30	IM-786
Southern Ohio Aggregates, Inc. 11641 Mosteller Rd. Cincinnati, OH 45241 513-771-0820 James P. Jurgensen, pres.	New Miami Plant Cleves Pit Kilby Road Gratis Plant	Butler Hamilton Hamilton Preble	sand & gravel sand & gravel sand & gravel sand & gravel	60,000	60,000	Br-S Hmn-S Hmn-SO Pre-7	IM-1053 IM-746 IM-720 IM-306
City of Springfield 201 Eagle City Rd. Springfield, OH 45502 937-525-5880 Albert E. Dewell, water plant supt.	City of Springfield	Clark	sand & gravel			Ck-7	IM-449
Spring Industries, Inc. 56290 Dilles Bottom Rd. Shadyside, OH 43947 740-671-9400 Glenn Straub, pres.	Bolivar Pit Midvale Pit	Stark Tuscarawas	sand & gravel sand & gravel			Sk-SI Ts-1771	IM-588 IM-77
Spring Run Gravel P.O. Box 466 Killbuck, OH 44637 330-276-2444 Jeff Chaney, owner	Spring Run Gravel	Holmes	sand & gravel			Hs-96	IM-997
St. Joe Sand & Gravel, LLC 13307 County Rd. J35 Montpelier, OH 43543 419-392-6749 David A. Nixon, pres.	Watson	Williams	sand & gravel	149,996	149,906	Ws-S	IM-2243
Stansley Mineral Resources 7880 W. Central Ave. Toledo, OH 43617 419-243-2813 Jeffrey Stansley, pres.	Stansley Mineral Resources, Inc. Plant 301	Ottawa	limestone	399,442	343,031	Oa-1	IM-292
State Line Resources, Inc. P.O. Box 419 Negley, OH 44441 330-426-9611 James Muse, v. pres.	State Line Resources, Inc.	Columbiana	clay			Ca-505	IM-13, IM-936
Stewart & Reichman, Inc. 6801 State Route 416 SE Gnadenhutten, OH 44629 740-922-0050 Timothy G. Brown, pres.	Stewart & Reichman, Inc.	Tuscarawas	sand & gravel	87,166	87,166	Ts-111	IM-55, IM-2065

2006 OHIO ALPHABETICAL DIRECTORY OF INDUSTRIAL-MINERAL MINE OPERATORS (cont.)

Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Stocker Sand & Gravel Co.	Stocker Sand & Gravel Co. - Gnadenhutten	Tuscarawas	sand & gravel	301,672	301,672	Ts-69	IM-51
P.O. Box 176							
Gnadenhutten, OH 44629	Stocker Sand & Gravel Co.- Island	Tuscarawas	sand & gravel	567,348	567,348	Ts-125	IM-50
740-254-4635	Stocker Sand & Gravel Co.	Tuscarawas	sand & gravel			Ts-ST	IM-2125
William E. Stocker, pres.	Stocker Sand & Gravel Co.	Tuscarawas	sand & gravel			Ts-S3	IM-2232
Stoneco, Inc.	Maumee Quarry	Lucas	limestone	1,357,904	1,385,370	Ls-2	IM-503
P.O. Box 3100	Celina Quarry	Mercer	limestone	660,902	659,116	Mr-1	IM-592
Findlay, OH 45840	Rocky Ridge Quarry	Ottawa	limestone			Oa-14	IM-320
419-466-8854	Auglaize Quarry	Paulding	limestone	892,497	1,000,000	Pg-2	IM-481
John Powers, pres.	Scott Quarry	Van Wert	limestone	297,089	319,876	Vt-3	IM-495
	Montpelier North Pit	Williams	sand & gravel			Ws-9	IM-498
	Lime City Quarry	Wood	limestone	1,024,906	1,004,592	Wd-6	IM-480
	Portage Quarry	Wood	limestone	249,140	293,142	Wd-11	IM-475
	Carey Quarry	Wyandot	limestone	1,553,824	1,568,280	Wt-8	IM-273
Ken Strahler Masonry, Inc.	Duck Creek #1	Washington	clay			Wn-St	IM-2224
116 Alta St.							
Marietta, OH 45750							
740-373-4529							
Kenneth E. Strahler, pres.							
Suever Stone Co., Inc.	Suever Stone Co., Inc.	Allen	limestone	112,900	111,000	An-4	IM-491
Bloomlock Rd.	Suever Stone Co., Inc.	Van Wert	limestone	65,900	98,900	Vt-1	IM-500
P.O. Box 10							
Delphos, OH 45833							
419-692-9796							
Neal Lause, pres.							
Summitville Tiles, Inc.	Summitcrest, Inc.	Columbiana	shale	21,550	21,550	Ca-SU	IM-2186
P.O. Box 173	Summitville Tiles, Inc.	Columbiana	clay			Ca-205	IM-74
Summitville, OH 43962							
330-223-1511							
David Johnson, pres.							
Sunrise Sand & Gravel	Sunrise Sand & Gravel	Ashtabula	sand & gravel			Asa-21	IM-1239
1716 Mill Creek Rd.							
Jefferson, OH 44047							
440-576-9693							
Kenneth, Robert, & Richard McElroy, partners							
Sunshine Sand Co.	Sunshine Sand Co.	Portage	sand & gravel			Pe-SSC	IM-318
12400 Broadway Ave.							
Cleveland, OH 44125							
216-587-2700							
Dorothy M. Strohm, pres.							
Joseph N. Sypniewski	Sypniewski	Ashtabula	sand & gravel	262	341	Asa-SY	IM-2222
3780 Mechanicsville Rd.			clay	364	431		
Rock Creek, OH 44084							
440-563-5644							
Joe N. Sypniewski, pres.							
Tackett Builders	Tackett's Pit	Ross	sand & gravel			Rs-T	IM-1189
906 Charleston Pike							
Chillicothe, OH 45601-9312							
740-772-5431							
Carmel G. Tackett, owner							
Taylorsville Rd. Landfill	Taylorsville Rd. Landfill	Montgomery	sand & gravel			My-55	IM-571
4252 Taylorsville Rd.							
Huber Heights, OH 45424							
937-233-7500							
James T. McDonald, pres.							
Teague Gravel Co., Inc.	Teague Gravel Co., Inc.	Geauga	sand & gravel			Gea-35	IM-321
P.O. Box 380							
Newbury, OH 44065							
440-564-5671							
Donald R. Teague, pres.							
Thiel Construction Co.	Thiel Construction Co.	Williams	sand & gravel	3,991	3,991	Ws-21	IM-1225
P.O. Box 225							
Blakeslee, OH 43505							
419-272-2712							
Lee R. Thiel, pres.							

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Name, address, telephone number, and president/owner/ manager of company	Name of mine	County	Commodity	2006 sales (tons)	2006 production (tons)	State mine number	Mining and reclamation permit number
Thomas Sand & Gravel P.O. Box 171 Gratis, OH 45330 937-787-4677 Howard Thomas, owner	Thomas Sand & Gravel	Preble	sand & gravel			Pre-T	IM-2036
Thompson Bros. Mining Co. 3379 E. Garfield Rd. P.O. Box 57 New Springfield, OH 44443 216-549-3979 J. E. Thompson, owner	North Lima	Mahoning	clay	5,879	5,879	Mg-588	D-0374, D-1168
Thompson Mining Co. 12321 Ideal Rd. Byesville, OH 43723 740-685-6726 George V. Thompson, pres.	Pleasant Valley Stone	Muskingum	limestone	181,109	181,109	Mum-907	IM-1200
Don Thompson Excavating, Inc. 1471 W. Paintersville Rd. Spring Valley, OH 45370 937-862-7911 Todd Thompson, pres.	Don Thompson Excavating, Inc.	Greene	sand & gravel			Ge-46	IM-1149
Three C's Gravel P.O. Box 310 Bellefontaine, OH 43311 937-592-6926 Todd Watson, pres.	Three C's Gravel	Champaign	sand & gravel	110	110	Cpn-T	IM-2234
Tiger Sand & Gravel, LLC 4141 Southway St. SW Canton, OH 44706 330-477-9653 Pete Bitzel, partner	PSR Development	Stark	sand & gravel			Sk-T	IM-2279
Tipp Stone Co., Inc. P.O. Box 367 Troy, OH 45373 937-890-4051 Michael Eidemiller, v. pres.	Tipp Stone Co., Inc. Tipp Stone Co., Inc.	Miami Montgomery	sand & gravel sand & gravel	9,428 22,430	9,428 22,430	Mi-12 My-61	IM-467 IM-468
Top Dog Service Company 660 Lunken Park Dr. Cincinnati, OH 45226 513-353-2555 Michael P. O'Rourke, pres.	Top Dog Service Company	Hamilton	sand & gravel	5,000	5,000	Hmn-G	IM-1270
Tri-State Asphalt Products 56290 Dilles Bottom Rd. Shadyside, OH 43947 740-671-9400 Glenn Straub, pres.	Tri-State Asphalt Products	Belmont	sand & gravel			Bt-74	IM-288
Trout Sand & Gravel Co. 347 Gravel Bank Rd. Marietta, OH 45750 740-373-7471 Henry C. Trout, Jr., owner	Trout Sand & Gravel Co.	Washington	sand & gravel	75,622	9,946	Wn-510	IM-25
Tuffco Sand & Gravel, Inc. P.O. Box 399 Marysville, OH 43040 614-873-3977 Charles Lewis, pres.	Tuffco Sand & Gravel, Inc.	Madison	sand & gravel clay	192,950	192,950	Mdn-11	IM-1063
Twinsburg Development Corp. P.O. Box 248 Grand River, OH 44045 440-357-5562 Harold T. Larned, pres.	Twinsburg Development Corp.	Portage	sand & gravel	209,000	209,000	Pe-84	IM-868

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U.S. Aggregates, Inc. 5400 W. 86th St. P.O. Box 68123 Indianapolis, IN 46268 317-872-6010 James Fehsenfeld, pres.	U.S. Aggregates/Richmond Plant	Preble	sand & gravel			Pre-AAC	IM-779
United Aggregates, Inc. P.O. Box 750 Mt. Vernon, OH 43050 740-397-0000 Jeff Ellis, pres.	United Aggregates, Inc.	Knox	sand & gravel	100,397	25,074	Kx-5	IM-884, IM-1307
	United Aggregates, Inc.	Knox	sand & gravel	218,274	88,381	Kx-3	IM-300
Valley Clay Mining Co. 451 Gordon St. Roseville, OH 43777 740-697-0620 Stephen R. McCann, pres.	Spring Pit	Muskingum	clay	7,910	7,910	Mum-904	IM-1127
	Tague Pit	Perry	clay			Py-V	IM-1245
Valley Materials Co. 4947 U.S. Route 23 S P.O. Box 400 Piketon, OH 45661 740-289-4551 Ralph McFann, pres.	Valley Materials #1	Pike	sand & gravel			Pke-26	IM-142
	Valley Materials #2	Pike	sand & gravel	34,000	34,000	Pke-V	IM-1330
Ralph C. Wagner & Sons 7317 Brinker St. Navarre, OH 44662 330-495-7414 Michael Wagner, owner	Wagner & Sons	Stark	sand & gravel	350	350	Sk-W	IM-867
Walhonding Sand & Gravel 27679 State Route 206 Walhonding, OH 43843 740-824-5251 Ezra Helmick, v. pres.	Walhonding Valley Sand & Gravel	Coshocton	sand & gravel	61,304	61,304	Cn-WL	IM-2127
			shale	5,521	5,521		
Waller Bros. Stone Co. P.O. Box 157 McDermott, OH 45652 740-259-2356 Frank L. Waller, pres.	Crabtree Quarry	Scioto	sandstone	4,303	4,303	So-76	IM-141
	Inskeep Quarry	Scioto	sandstone			So-48	IM-140
	Miller Quarry	Scioto	sandstone			So-82	IM-158
	New Inskeep Quarry	Scioto	sandstone	4,375	4,375	So-W	IM-2111
Carl Walter 11098 Bower Rd. Minerva, OH 44657 330-894-2315 Carl Walter, owner	Carl Walter	Columbiana	sand & gravel			Ca-W	IM-1279
Ward Materials, Inc. 385 Oak St. Leipsic, OH 45856 419-943-2450 Arnold W. Rosebrock, pres.	Ward Materials, Inc.	Allen	sand & gravel	50,158	55,848	An-W	IM-2069
Don Wartko Construction, Inc. 975 Tallmadge Rd. Kent, OH 44240 330-673-5252 Thomas Wartko, pres.	Don Wartko Construction, Inc.	Portage	sand & gravel			Pe-92	IM-522
Waste Management/ Chambers Development of Ohio, Inc. 7916 Chapel St. SE Waynesburg, OH 44688 330-866-3265 Jerry R. Ross, pres.	Harrison Sanitary Landfill	Harrison	clay			Hn-CD	D-1105
Waterland Trucking Service, Inc. P.O. Box 930335 Wixom, MI 48393-0335 248-349-1582 Richard D. Massuch, pres.	Adams County Quarry	Adams	limestone			Ads-H	IM-805

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Waterloo Coal Co., Inc. P.O. Box 626 Jackson, OH 45640 740-286-5633 Denton H. Bowman, pres.	Waterloo Coal Stone Plant	Jackson	limestone	333,977	263,736	Jkn-367	D-594, D-968, D-1083
			clay	7,086	7,086		
Watson Gravel, Inc. 2728 Hamilton-Cleves Rd. P.O. Box 277 Ross, OH 45061 513-863-0070 Ronald E. Watson, pres.	Mecco, Inc.	Butler	sand & gravel	300,529	300,529	Br-15	IM-316
	Ongais Plant #1	Butler	sand & gravel			Br-O	IM-2143
	River Pit	Butler	sand & gravel	41,669	41,669	Br-57	
	Watson Pit	Butler	sand & gravel	951,514	951,514	Br-47	IM-111
	Dry Fork	Hamilton	sand & gravel			Hmn-68	IM-747
	Harrison #2	Hamilton	sand & gravel	803,117	803,117	Hmn-ARH	IM-1273
	Harrison Pit	Hamilton	sand & gravel			Hmn-60	IM-761
	Minges-Getz	Hamilton	sand & gravel	238,378	238,378	Hmn-64	IM-137
Weber Sand & Gravel, Inc. 14586 U.S. Route 127 EW Bryan, OH 43506 419-636-7920 Thomas G. Weber, pres.	Weber Sand & Gravel, Inc.	Williams	sand & gravel	80,000	80,000	Ws-11	IM-509, IM-661
Weidle Sand & Gravel, Inc. P.O. Box 247 Germantown, OH 45327 937-855-2227 Ron Weidle, pres.	Weidle	Montgomery	sand & gravel			My-W1	IM-2203
Welch Sand & Gravel, Inc. 10217 Columbia St. Harrison, OH 45030-9751 513-353-3220 Charles H. Welch, pres.	Schlichter Pit	Butler	sand & gravel	204,718	204,718	Br-38	IM-218
	East Miami Pit	Hamilton	sand & gravel	461,257	461,257	Hmn-48	IM-220
	Fernald Pit	Hamilton	sand & gravel	615,504	615,504	Hmn-42	IM-823
Westfall Aggregate & Materials, Inc. 6790 Brooks-Miller Rd. Circleville, OH 43113 740-420-9090 Kevin R. Steward, pres.	Hill Road Pit	Pickaway	sand & gravel	92,074	92,074	Pky-WA	IM-2217
White Rock Quarry, LLC dBa Stoneco, Inc. P.O. Box 3100 Findlay, OH 45840 419-422-8854 John Powers, pres.	White Rock Quarry	Ottawa	limestone	783,480	774,048	Oa-6	IM-296
Mark Williams Blacktop Co., Inc. 695 Bramblewood Marietta, OH 45750 740-373-2457 Mark Williams, pres.	Williams Pit #2	Washington	sand & gravel			Wn-1007	IM-1042
Willowbrook Sand & Gravel, LLC 39130 Brookfield St. P.O. Box 304 Lisbon, OH 44432 330-424-0742 Ray Perrino, owner	Willowbrook Sand & Gravel	Columbiana	sand & gravel	58,873	58,873	Ca-993	IM-1180
John Wilms Trucking & Landscaping Materials 3034 Lisbon Rd. Leetonia, OH 44431 330-427-6472 John Wilms Sr., pres.	Leetonia	Columbiana	sand & gravel sandstone			Ca-982	IM-1108
Wise Gravel 8535 W. Klinger Rd. Covington, OH 45318 937-473-3246 John A. Wise, owner	Wise Gravel	Miami	sand & gravel			Mi-9	IM-408

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Wooster Aggregates, LLC 4755 S. High St. Columbus, OH 43207-4028 614-491-1515 Ken Holland, pres.	Wooster Aggregates, LLC	Wayne	sand & gravel shale	254,000 2,000	254,000 2,000	We-11	IM-547
Wylie and Sons Landscaping 1616 County Rd. B P.O. Box 29 Swanton, OH 43558 419-875-6760 Thomas Wylie, owner	Wylie and Sons Landscaping	Fulton	sand & gravel	31,585	50,290	Ftn-W2	IM-2168
Wysong Gravel Co. P.O. Box 5 West Alexandria, OH 45381 937-456-4539 John D. Wysong, pres.	Wysong Gravel Co. Wysong Gravel Co.	Montgomery Preble	sand & gravel sand & gravel	96,363 179,165	95,264 178,273	My-Wy Pre-4	IM-2194 IM-477
Wysong Stone Co. 5897 State Route 503 N P.O. Box 159 Lewisburg, OH 45338 937-962-2559 Carroll E. Wysong, v. pres.	Wysong Stone Co.	Preble	limestone	100,722	130,000	Pre-5	IM-447
X. L. Sand & Gravel Co., Inc. P.O. Box 255 Negley, OH 44441 330-426-9876 Robert A. Lansberry, pres.	X. L. Sand & Gravel Co., Inc. X. L. Sand & Gravel Co., Inc.	Columbiana Columbiana	sand & gravel sand & gravel	 85,875	 85,875	Ca-XL Ca-881	IM-1347 IM-611
Xenia Sand & Gravel, Inc. 610 Dayton-Xenia Rd. Xenia, OH 45385 937-372-2978 Scott A. Filson, pres.	Xenia Sand & Gravel, Inc.	Greene	sand & gravel	4,311	4,311	Ge-10	IM-518
Yellow Springs Aggregate, LLC 2419 U.S. Route 68 N Yellow Springs, OH 45387 937-374-3558 Geoff Harris, pres.	Springfield Plant Yellow Springs Plant	Clark Greene	sand & gravel sand & gravel	171,079 71,077	171,079 71,077	Ck-B Ge-W	IM-2026 IM-645
Joe Yochman Excavating, Inc. 610 South Newton Falls Rd. Diamond, OH 44412 330-538-0014 Joe Yochman, v. pres.	Yochman	Mahoning	sand & gravel	2,500	2,500	Mg-Y	IM-2192
Young's Sand & Gravel Co. P.O. Box 117 Loudonville, OH 44842 419-994-3040 Myron Oswalt, owner	Sprang & Youngs Ayers Spreng	Ashland Ashland Ashland	sand & gravel sand & gravel sand & gravel	18,102 144,818 199,124	18,102 144,818 199,124	Ald-7 Ald-15 Ald-Y	IM-392 IM-944 IM-1216
Zollinger Sand & Gravel Co. 11899 Easton Rd. Rittman, OH 44270 330-855-2464 Carl Zollinger, pres.	Zollinger Sand & Gravel Co.	Wayne	sand & gravel clay	30,265	30,265	We-15	IM-398

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2006 LIMESTONE/DOLOMITE COMPANIES WITH SALES OR PRODUCTION

Company	No. of operations	Sales (tons)	Production (tons)
Ayers Limestone Quarry, Inc.	1	47,650	47,650
Barrett Paving Materials, Inc.	3	612,675	624,405
Belden Brick Co.	3	12,919	12,919
Bluffton Stone Co.	1	438,795	542,774
Carmeuse Ohio, Inc.	1	2,270,000	2,100,000
CEMEX, Inc.	2	1,000,000	1,000,000
Christman Quarries	1	73,294	73,294
Con-Ag, Inc.	1	208,740	260,985
Cumberland Limestone, LLC	1	287,629	287,629
Custar Stone Co., Inc.	1	699,182	725,503
Daron Coal Company, Inc.	1	100,000	100,000
Demmy Construction, Inc.	1	8,104	8,104
Diamond Stone Quarries	1	26,147	26,147
Duff Quarry, Inc.	1	459,895	459,895
East Fairfield Coal Co.	2	1,640,205	1,676,834
ENZ, Inc.	1	43,706	43,706
Erie Blacktop, Inc.	1	362,105	362,105
ESSROC Cement Corp.	2	609,686	512,930
Graymont Dolime (OH), Inc.	1	736,316	761,421
Hanson Aggregates Midwest, Inc.	10	12,818,123	12,723,206
Honey Creek Stone Co.	1	169,047	178,328
Kimble Clay & Limestone Co.	1	256,932	256,932
King Quarries, Inc.	1	91,285	91,285
Lafarge Corp.	1	804,352	804,352
Lafarge North America	3	6,283,013	6,124,976
Latham Limestone, LLC	1	378,400	378,400
MacRitchie Materials, Inc.	1	297,406	268,043
Marshall Quarry, Inc.	1	9,900	9,900
Martin Marietta Aggregates	5	2,457,824	2,301,797
Martin Marietta Magnesia Specialties,Inc.	1	2,621,595	2,645,090
The Melvin Stone Co., LLC	4	2,976,100	2,976,100
Miami River Stone Co.	1	615,304	596,340
Millersville Lime Inc.	1	322,341	332,341
National Lime & Stone Co.	10	12,607,000	12,578,000
North Shore Stone Quarries, Inc.	1	2,435	2,435
Ohio Asphaltic Limestone Corp.	1	526,170	526,170
Olen Corp.	1	602,000	602,000
Piqua Materials, Inc.	1	648,963	699,686
C. F. Poeppelman, Inc.	1	407,967	407,967
Precision Aggregates II, LLC	1	200,000	200,000
Precision Aggregates III, LLC	1	150,000	150,000
Putnam Stone Co.	1	250,714	286,787
Quality Stone Co.	1	315,755	315,755
Ridge Township Quarry	1	124,537	124,537
Shamrock Materials	1	253,210	253,210
Sharon Stone Co.	1	87,391	87,391
Shelly Materials, Inc.	8	10,987,295	10,773,220
Sidwell Materials, Inc.	4	935,103	935,103
Stansley Mineral Resources	1	399,442	343,031
Stoneco, Inc.	7	6,036,262	6,230,376
Suever Stone Co., Inc.	2	178,800	209,900
Thompson Mining Co.	1	181,109	181,109
Waterloo Coal Co., Inc.	1	333,977	263,736
White Rock Quarry, LLC	1	783,480	774,048
Wysong Stone Co.	1	100,722	130,000
TOTAL: 55 companies	106	75,851,002	75,387,852

2006 OHIO DIRECTORY OF LIMESTONE/DOLOMITE MINE OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY

For those mines for which a state mine number has not been assigned, a letter designation is used (example: Cn-A).

County	Name of operator	Name of mine or quarry	Township	Geological unit	Type and principal use	State mine number
Adams	Hanson Aggregates Midwest, Inc.	Plum Run Quarry	Meigs	Peebles, Greenfield, & Tymochtee Dolomites (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, flux, asphaltic concrete, commercial building, extenders/fillers, unspecified, aglime	Ads-1
Allen	Bluffton Stone Co.	Bluffton Stone Co.	Richland	Tymochtee Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	An-1
	National Lime & Stone Co.	Lima Plant	Bath	Greenfield Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, asphaltic concrete,	An-3
	Suever Stone Co., Inc.	Suever Stone Co., Inc.	Spencer	Tymochtee Dolomite (Silurian)	crushed stone—road construction/ resurfacing, asphaltic concrete, commercial building, unspecified	An-4
Athens	Diamond Stone Quarries	Diamond Stone	Lee	Brush Creek (Pennsylvanian)	crushed stone—road construction/ resurfacing	As-533
Auglaize	Con-Ag, Inc.	Con-Ag, Inc.	Noble	Cedarville Dolomite (Silurian)	crushed stone—riprap, road construction/ resurfacing, aglime	Ae-31
	National Lime & Stone Co.	Buckland Plant	Moulton	Silurian	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, aglime	Ae-10
Belmont	Ayers Limestone Quarry, Inc.	Ayers Limestone Quarry, Inc.	Pease	Permian/Pennsylvanian	crushed stone—riprap, road construction/ resurfacing	Bt-716
	Sidwell Materials, Inc.	Bellaire Stone	Pultney	Fishpot limestone (Pennsylvanian)	crushed stone—riprap, road construction/ resurfacing	Bt-1190
		Uniontown Stone	Wheeling	Fishpot limestone (Pennsylvanian)	crushed stone—road construction/ resurfacing	Bt-N
Brown	Hanson Aggregates Midwest, Inc.	Eagle Crushed Stone	Eagle	Brassfield Limestone (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Bn-EC
Clark	Demmy Construction, Inc.	Demmy Constuction, Inc.	Mad River	Cedarville Dolomite (Silurian)	crushed stone—road construction/ resurfacing	Ck-501
Clinton	Martin Marietta Aggregates	Clinton Limestone	Wilson	Cedarville Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Cln-W
Clinton	The Melvin Stone Co., LLC	Melvin Stone Co., LLC	Richland	Cedarville Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	Cln-1

Crawford	National Lime & Stone Co.	Bucyrus Plant	Holmes	Columbus & Delaware Limestones (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, extenders/fillers, aglime	Cd-1
Darke	Shamrock Materials	Walls Material	Butler	Cedarville Dolomite (Silurian)	crushed stone—riprap, road construction/ resurfacing, asphaltic concrete, commercial building	Dke-1
Delaware	National Lime & Stone Co.	Delaware Plant	Scioto	Columbus & Delaware Limestones (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, dimension stone, aglime	Del-5
		Warrensburg	Scioto	Columbus Limestone (Devonian)	crushed stone—unspecified	Del-3
Erie	Erie Blacktop, Inc.	Erie Blacktop Quarry	Margaretta		crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete	Ee-27
	Hanson Aggregates Midwest, Inc.	Sandusky Crushed Stone	Groton	Columbus & Delaware Limestones (Devonian) Detroit River Group (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	Ee-11
		Wagner Quarry	Perkins	Columbus & Delaware Limestones (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, commercial building, nspecified	Ee-1
	Lafarge North America	Kelleys Island Quarry	Kelley's Island	Columbus Limestone (Devonian) Detroit River Group (Devonian)	crushed stone—portland cement concrete, road construction/resurfacing	Ee-K
Fayette	Martin Marietta Aggregates	Blue Rock Limestone	Perry	Tymochtee Dolomite (Silurian)	crushed stone—unspecified	Fe-2
Franklin	Shelly Materials, Inc.	Columbus Limestone #331	Franklin, Jackson, Marion	Columbus Limestone (Devonian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Fn-53
		Marble Cliff Plant #0332	Norwich	Columbus Limestone (Devonian) Salina Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Fn-2
Greene	CEMEX, Inc.	Miller, Schieder	Bath	Brassfield Limestone (Silurian)	crushed stone—portland cement	Ge-8
	Martin Marietta Aggregates	Cedarville	Cedarville	Cedarville Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Ge-17
	The Melvin Stone Co., LLC	Bowersville	Jefferson	Cedarville Dolomite (Silurian)	crushed stone—riprap, road construction/ resurfacing, asphaltic concrete, commercial building, unspecified	Ge-M
Guernsey	Cumberland Limestone, LLC	Cumberland Limestone, LLC	Spencer	Fishpot limestone (Pennsylvanian)	crushed stone—road construction/ resurfacing	Gy-309
Hancock	National Lime & Stone Co.	Findlay Plant	Liberty	Salina Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, asphaltic concrete	Hk-7
Hardin	Shelly Materials, Inc.	Forest Quarry	Jackson	Tymochtee Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, commercial building, unspecified	Hdn-S
		Hardin Quarry	Pleasant	Tymochtee Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, dimension stone	Hdn-2

2006 OHIO DIRECTORY OF LIMESTONE/DOLOMITE MINE OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of mine or quarry	Township	Geological unit	Type and principal use	State mine number
Harrison	Daron Coal Company, Inc.	Standingstone Mine	Cadiz	Redstone limestone (Pennsylvanian)	crushed stone—road construction/ resurfacing, commercial building	Hn-D
Highland	Hanson Aggregates Midwest, Inc.	Highland Stone	Hamer	Brassfield & Dayton Limestones (Silurian)	crushed stone—unspecified	Hd-2
	Marshall Quarry, Inc.	Marshall Quarry, Inc.	Marshall	Peebles Dolomite (Silurian)	crushed stone—road construction/ resurfacing	Hd-4
	Martin Marietta Aggregates	Lynchburg Quarry	Union	Brassfield Limestone (Silurain)	crushed stone—unspecified	Hd-M
	Ohio Asphaltic Limestone Corp.	Ohio Asphaltic Limestone Corp.	Union	Peebles Dolomite (Silurian)	crushed stone—riprap, road construction/ resurfacing, asphaltic concrete, aglime	Hd-3
Jackson	Waterloo Coal Co., Inc.	Waterloo Coal Stone Plant	Madison	Vanport limestone (Pennsylvanian)	crushed stone—unspecified	Jkn-367
Logan	Duff Quarry, Inc.	Duff Quarry, Inc.	Richland	Lockport Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, commercial building	Lgn-15
	Shelly Materials, Inc.	Belle Center	McArthur, Richland	Lockport Dolomite (Silurian) Tymochtee Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Lgn-2
Lucas	ESSROC Cement Corp.	Sylvania Quarry	Sylvania	Detroit River Group & Dundee Limestone (Devonian)	crushed stone—unspecified	Ls-12
	Hanson Aggregates Midwest, Inc.	Sylvania	Sylvania	Detroit River Group & Dundee Limestone (Devonian)	crushed stone—unspecified	Ls-3
		Waterville	Waterville	Greenfield, Tymochtee, & Salina Dolomites (Silurian)	crushed stone—road construction/ resurfacing	Ls-1
	Stoneco, Inc.	Maumee Quarry	Waynesfield	Tymochtee Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	Ls-2
Mahoning	East Fairfield Coal Co.	Garfield Road	Springfield	Vanport limestone (Pennsylvanian)	crushed stone—portland cement concrete, road construction/resurfacing, unspecified	Mg-EF
		Withers-Petersburg	Springfield	Vanport limestone (Pennsylvanian)	crushed stone—portland cement concrete, road construction/resurfacing, commercial building, unspecified	Mg-631
	ESSROC Cement Corp.	Carbon Quarry	Poland, Springfield	Vanport limestone (Pennsylvanian)	crushed stone—portland cement	Mg-EM
	Honey Creek Stone Co.	Honey Creek Stone Co.	Springfield	Vanport limestone (Pennsylvanian)	crushed stone—road construction/resurfacing	Mg-54
	Lafarge North America	Petersburg	Springfield	Vanport limestone (Pennsylvanian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, asphaltic concrete, commercial building	Mg-L
Marion	National Lime & Stone Co.	Marion Plant	Grand Prairie, Marion	Columbus & Delaware Limestones (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, aglime	Mn-3

Mercer	Stoneco, Inc.	Celina Quarry	Jefferson	Salina Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, asphaltic concrete, commercial building, unspecified, aglime	Mr-1
Miami	Barrett Paving Materials, Inc.	Barrett Paving Materials, Inc. #231	Union	Brassfield Limestone (Silurian)	crushed stone—riprap, road construction/resurfacing	Mi-BPM
		Bed Rock Properties	Union	Brassfield Limestone (Silurian)	crushed stone—riprap, road construction/resurfacing	Mi-502
	C. F. Poeppelman, Inc.	C. F. Poeppelman, Inc.	Newberry	Cedarville Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, aglime	Mi-10
	Piqua Materials, Inc.	Piqua Minerals Division	Springcreek, Staunton	Brassfield Limestone, Dayton & Laurel Dolomites (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, flux, asphaltic concrete, extenders/fillers, aglime	Mi-1
Monroe	Christman Quarries	Christman Quarry	Franklin, Seneca	Fishpot limestone (Pennsylvanian)	crushed stone—road construction/resurfacing	Me-C
Montgomery	CEMEX, Inc.	G-Tract	Wayne	Brassfield Limestone (Silurian)	crushed stone—portland cement	My-58
	Martin Marietta Aggregates	Phillipsburg	Clay	Cedarville Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	My-1
Muskingum	Shelly Materials, Inc.	East Fultonham	Newton	Maxville Limestone (Mississippian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Mum-106
	Sidwell Materials, Inc.	Dupler/Ford	Newton	Maxville Limestone (Mississippian)	crushed stone—road construction/resurfacing	Mum-SB
		White Cottage	Newton	Maxville Limestone (Mississippian)	crushed stone—road construction/resurfacing	Mum-104
	Thompson Mining Co.	Pleasant Valley Stone	Hopewell	Maxville Limestone (Mississippian)	crushed stone—riprap, road construction/resurfacing	Mum-907
Noble	King Quarries, Inc.	King Quarries, Inc.	Olive	Fishpot limestone (Pennsylvanian)	crushed stone—riprap	Ne-K1
	Sharon Stone Co.	Sharon Stone Co.	Noble, Sharon	Fishpot limestone (Pennsylvanian)	crushed stone—riprap, road construction/resurfacing, unspecified	Ne-S
Ottawa	Graymont Dolime (OH), Inc.	Graymont Dolime (OH), Inc.	Clay	Lockport Dolomite (Silurian)	crushed stone—road construction/resurfacing	Oa-1[1]
	Lafarge North America	Marblehead	Danbury	Columbus Limestone & Detroit River Group (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, flux, asphaltic concrete	Oa-7
	Stansley Mineral Resources	Stansley Mineral Resources, Inc. Plant 301	Clay	Lockport Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing	Oa-1[1]
	White Rock Quarry LLC	White Rock Quarry	Allen	Lockport Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, extenders/fillers, unspecified	Oa-6
Paulding	Hanson Aggregates Midwest, Inc.	Paulding	Crane	Tenmile Creek Dolomite (Devonian)	crushed stone—riprap, road construction/resurfacing, commercial building, aglime	Pg-7
	Lafarge Corp.	Paulding Quarry	Crane	Dundee Limestone (Devonian)	crushed stone—unspecified, portland cement	Pg-1

[1]Graymont and Stansley operate from the same quarry.

2006 OHIO DIRECTORY OF LIMESTONE/DOLOMITE MINE OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of mine or quarry	Township	Geological unit	Type and principal use	State mine number
Paulding (cont.)	Stoneco, Inc.	Auglaize Quarry	Auglaize	Detroit River Group & Dundee Limestone (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	Pg-2
Pickaway	The Melvin Stone Co., LLC	Williamsport	Perry	Columbus Limestone (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, asphaltic concrete, commercial building, unspecified	Pky-4
Pike	Latham Limestone, LLC	Latham Limestone	Mifflin	Greenfield Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, commercial building, unspecified	Pke-13
Preble	Wysong Stone Co.	Wysong Stone Co.	Twin	Brassfield Limestone (Silurian)	crushed stone—riprap, road construction/ resurfacing, dimension stone	Pre-5
Putnam	National Lime & Stone Co.	Rimer Plant	Sugar Creek	Greenfield Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, aglime	Pm-N
	Putnam Stone Co.	Putnam Stone Co.	Pleasant, Riley	Greenfield Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing	Pm-2
Ross	The Melvin Stone Co., LLC	Plano Road	Concord	Salina Dolomite (Silurian)	crushed stone—road construction/ resurfacing, commercial building, unspecified	Rs-MC1
Sandusky	Martin Marietta Magnesia Specialties, Inc.	Woodville Quarry	Woodville	Lockport Dolomite (Silurian)	crushed stone—road construction/ resurfacing	Sy-1
	Millersville Lime, Inc.	Millersville Plant	Jackson	Lockport Dolomite (Silurian)	crushed stone—dimension stone, aglime	Sy-4
	Precision Aggregates III, LLC	Precision Aggregates III, LLC	Sandusky	Lockport Dolomite (Silurian)	crushed stone—unspecified	Sy-5
Seneca	Carmeuse Ohio, Inc.	Maple Grove	Liberty	Lockport Dolomite (Silurian)	crushed stone—road construction/ resurfacing, railroad ballast, asphaltic concrete, commercial building	Sa-2
	Hanson Aggregates Midwest, Inc.	Bloomville	Bloom	Columbus & Delaware Limestones (Devonian) Detroit River Group (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, extenders/fillers, dimension stone, aglime	Sa-3
		Flat Rock	Thompson	Columbus & Delaware Limestones (Devonian) Detroit River Group (Devonian)	crushed stone—riprap, road construction/ resurfacing, extenders/fillers, dimension stone, aglime	Sa-1
	North Shore Stone Quarries, Inc.	North Shore Stone Quarries, Inc.	Thompson	Greenfield Dolomite (Silurian)	crushed stone—riprap, dimension stone	Sa-8
Shelby	Barrett Paving Materials, Inc.	Vandemark Quarry #221	Clinton	Lockport Dolomite (Silurian)	crushed stone—riprap, road construction/ resurfacing	Shy-15
	Miami River Stone Co.	Miami River Stone Co.	Orange	Lockport Dolomite (Silurian)	crushed stone—riprap, road construction/ resurfacing	Shy-17

Stark	ENZ, Inc.	Sickafoose Pit	Pike, Sandy	Putnam Hill limestone (Pennsylvanian)	crushed stone—road construction/ resurfacing	Sk-208
Tuscarawas	Belden Brick Co.	Belden Pit	Sugar Creek	Vanport limestone (Pennsylvanian)	crushed stone—riprap	Ts-1646
		Moomaw Pit	Sugar Creek	Vanport limestone (Pennsylvanian)	crushed stone—riprap	Ts-1517
		Wallick Pit	Franklin, Wayne	Pennsylvanian	crushed stone—riprap	Ts-1841
	Kimble Clay & Limestone Co.	Kimble Clay & Limestone Co.	Dover	Pennsylvanian	crushed stone—road construction/ resurfacing	Ts-1818
Union	Shelly Material, Inc.	York Center Quarry	York	Salina Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Un-1
		Shelly Materials, Inc. Plant #0310	Mill Creek	Columbus Limestone (Devonian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Un-2
Van Wert	Ridge Township Quarry	Ridge Township Quarry	Ridge	Tymochtee Dolomite (Silurian)	crushed stone—unspecified	Vt-7
	Stoneco, Inc.	Scott Quarry	Union	Salina Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	Vt-3
	Suever Stone Co., Inc.	Suever Stone Co., Inc.	Washington	Tymochtee Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building	Vt-1
Vinton	Quality Stone Co.	Route 32	Clinton	Vanport limestone (Pennsylvanian)	crushed stone—unspecified	Vn-193
Wood	Custar Stone Co., Inc.	Custar Stone Co., Inc.	Milton	Detroit River Group (Devonian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete	Wd-5
	MacRitchie Materials, Inc.	MacRitchie Materials, Inc.	Perry	Lockport & Salina Dolomites (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, extenders/fillers, aglime	Wd-1
	Precision Aggregates II, LLC	Precision Aggregates II, LLC	Portage	Lockport Dolomite (Silurian)	crushed stone—unspecified	Wd-14
	Stoneco, Inc.	Lime City Quarry	Perrysburg	Lockport Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified	Wd-6
		Portage Quarry	Portage	Greenfield & Lockport Dolomites (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building, unspecified, aglime	Wd-11
Wyandot	National Lime & Stone Co.	Carey Plant	Crawford	Lockport Dolomite (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, railroad ballast, flux, asphaltic concrete, extenders/fillers, aglime	Wt-1
	Olen Corp.	Upper Sandusky	Pitt	Salina Group (Silurian) Tymochtee Dolomite (Silurian)	crushed stone—portland cement concrete, road construction/resurfacing, asphaltic concrete, commercial building	Wt-3
	Stoneco, Inc.	Carey Quarry	Crawford	Greenfield & Lockport Dolomites (Silurian)	crushed stone—riprap, portland cement concrete, road construction/resurfacing, flux, asphaltic concrete, commercial building, unspecified, aglime	Wt-8

2006 SAND AND GRAVEL COMPANIES WITH SALES OR PRODUCTION

Company	No. of operations	Sales (tons)	Production (tons)
Agg Rok Materials	1	407,464	407,316
William Albert, Inc.	1	29,508	31,758
Alden Excavating	1	6,572	6,572
Allgeier & Son, Inc.	3	95,000	95,000
American Sand & Gravel, Inc.	2	1,128,493	1,128,493
Ashcraft Sand & Gravel, Inc.	1	146,071	146,071
Atlas Towing Co.	1	7,145	7,145
Baker Sand, Inc.	1	691,000	725,000
Ballentine Excavation Co.	1	27,753	27,753
Barrett Paving Materials, Inc.	5	1,833,853	1,973,259
Bartley & Bolin Excavating	2	214,684	214,684
Beaver Excavating, Inc.	1	12,000	12,000
Beck Sand & Gravel, Inc.	1	207,773	207,773
Paul D. Beery Trucking Co.	1	580	730
Black Top Contracting, Inc.	1	28,000	28,000
Boyd Excavating	1	1,035	1,035
Gaston Bowling, Inc.	1	9,968	9,968
D. H. Bowman & Sons, Inc.	1	108,184	82,998
Briggs Sand & Gravel, Inc.	1	6,134	6,134
Broshear Contractors, Inc.	1	102,831	102,831
Oscar Brugmann Sand & Gravel, Inc.	1	479,353	482,200
Joe E. Carter	1	1,350	1,350
Carter & Carter, Inc.	1	1,847	2,081
Central-Allied Enterprises, Inc.	5	962,758	962,758
Chesterville Sand & Gravel Co., Inc.	1	283,117	283,117
Harlen D. & Barbara L. Clark	1	5,375	5,375
Clemson Excavating, Inc.	1	5,000	5,000
M. J. Coates Construction Co., Inc.	2	206,650	206,650
Cochran Transportation Services, Inc.	1	31,702	31,702
Boone Coleman Construction, Inc.	1	220	220
Courtney Enterprises, Inc.	1	48,000	48,000
Craigton Shale Co.	1	115,948	115,948
Crosby Gravel, Inc.	1	390	390
R. A. Cruise Sand & Gravel, Inc.	1	16,241	16,241
D & K Materials, Inc.	1	39,934	39,934
D.G.M., Inc.	2	159,858	159,858
Darby Creek Excavating, Inc.	1	8,000	8,000
Demmy Construction, Inc.	1	39,891	39,891
Demmy Sand & Gravel	1	5,214	5,214
Dingledine Basic Materials, Inc.	1	103,666	103,666
John R. Doherty	1	500	900
James E. Downard	1	6,096	6,096
Duff Quarry, Inc.	2	9,722	9,722
David E. Edgington	1	3,616	3,616
Enon Sand & Gravel, LLC	1	320,000	320,000
ENZ, Inc.	1	97,286	97,286
Erie Blacktop, Inc.	1	585	585
Erie Materials, Inc.	1	575	575
Evans Gravel, Inc.	2	136,107	187,428
Feikert Sand & Gravel, Inc.	1	138,778	138,778
Fleming Construction Co., Inc.	2	23,943	23,943
Foureman's Sand & Gravel, Inc.	1	98,482	98,482
Lloyd B. Fry	1	886	886
Frye Sand & Gravel, Inc.	2	752	752
Ganges Gravel Co.	1	28,251	28,251
GANS, Ltd.	1	13,845	4,470
John L. Garber Materials, Inc.	2	202,538	207,000
Gibson Sand & Gravel Co.	1	88	88
Timothy P. Gleason	1	131,415	131,414
Grimes Excavating	1	74,882	74,882
Hanson Aggregates Midwest, Inc.	3	1,473,749	1,552,464
Norman Harpster	1	8	8
Harrison Sand & Gravel Co.	1	400	400
Hartley Gravel	1	7,763	7,763
Harvest Sand & Gravel, Inc.	1	39,506	39,505
Haueter Sand & Gravel, Inc.	1	136,000	136,000
Heiser Sand & Gravel Corp.	1	35,602	35,602
Ervin Hill Enterprises, Inc.	1	9,000	9,000
Hilltop Aggregate, Inc.	1	124,000	124,000
Hocking Valley Concrete, Inc.	1	73,034	79,800
William A. Hoffman, Jr.	1	1,051	1,051
Holmes Supply Corp.	1	296,804	296,804
L. A. Horn Excavating/Constr., Inc.	1	2,000	2,000
Hugo Sand Co.	1	213,450	213,450
George J. Igel & Co., Inc.	1	138	138
Jaclib Enterprises, Inc.	1	1,840	1,840
James Bros. Sand & Gravel, Ltd.	1	3,100	3,100
Jarrett Sand Co.	1	336	336
Jaymar, Inc.	1	815,421	815,421
JBM, Ltd.	1	29,814	29,814
JP Sand & Gravel Co.	1	271,490	271,490
KCI Sand & Gravel	1	42,499	58,550
Kinsman Materials, Ltd.	1	75,314	75,314
Kipp's Gravel Co., Inc.	1	21,623	0
Kirby's Sand & Gravel, Inc.	1	196,567	196,567
T & K Kuhnle Co.	1	40,901	40,901
L & I Natural Resources, Inc.	1	125,598	125,598
L & M Mineral Co.	2	5,911	5,911
L. C. Trucking Company, Inc.	1	1,160	0
Lafarge North America	1	823,852	786,927
Lakeside Sand & Gravel Co.	1	599,172	599,172
Link Trucking Co., Inc.	1	52,800	52,800
Little Miami Sand & Gravel	2	0	1,750
Loxley Aggregates, Inc.	1	2,043	2,043
LUB, Inc.	1	11,203	11,203
Lucky Sand & Gravel Co.	1	21,831	21,831
R.J. Martin Service & Excavating	1	766	766
Martin Marietta Aggregates	16	6,215,639	6,782,263
MAR-ZANE Materials, Inc.	1	1,129	1,129
Massillon Materials, Inc.	3	1,079,326	1,079,326
Mathews Sand & Gravel	1	450	450
Mechanicsburg Sand & Gravel, Inc.	1	174,539	174,539
The Melvin Stone Co., LLC	1	288,148	288,148
Menuez Bros. Sand & Gravel, Inc.	1	166,239	175,000
Miami River Stone Co.	3	66,089	69,481
Miami View Mining Co., Ltd.	1	640,075	640,075
Mid Ohio Resources	1	237	3,295
Miller Bros. Gravel, Inc.	1	251,534	298,405
Milton Materials, LLC	1	99,607	150,000
Moore's Excavating Co.	2	3,694	3,661

2006 SAND AND GRAVEL COMPANIES WITH SALES OR PRODUCTION (cont.)

Company	No. of operations	Sales (tons)	Production (tons)
Moraine Materials Co., Inc.	1	197,874	197,874
Morrow Gravel Co.	1	201,000	201,000
Muskingum River Gravel Co.	4	528,396	546,682
National Aggregates, Inc.	1	174,015	174,015
National Lime & Stone Co.	2	163,000	163,000
Neer's Sand & Gravel	1	110,291	149,608
Nelson Sand & Gravel, Inc.	1	53,210	53,210
Newton Asphalt Paving, Inc.	1	115,892	115,892
J. E. Nicolozakes Co.	1	224,000	224,000
Northwest Ohio Property Developments, Ltd.	1	17,177	17,177
Carl E. Oeder & Sons Sand & Gravel	1	505,368	505,368
Olen Corp.	4	3,041,000	3,041,000
Oneida Sand & Gravel, Inc.	1	25,000	25,000
Oster Sand & Gravel, Inc.	2	736,334	736,334
Ours Sand & Gravel	1	5,680	5,680
Patrick Excavating, Inc.	1	2,123	2,123
Phillips Sand & Gravel	1	366,149	366,149
Portage Aggregate & Supply, LLC	1	100,851	100,851
Power Development Corp.	1	1,150	2,750
Precision Aggregates I, LLC	1	54,300	54,300
Precision Aggregates III, LLC	1	150,000	150,000
Quality Ready Mix, Inc.	1	15,408	15,408
R. L., Ltd.	1	2,104	2,104
Rainbow Sand & Gravel, Inc.	1	72,726	72,726
Razor Lake S. & G., LLC	1	39,068	39,068
Gary Roberts Excavating	1	965	965
Roy M. Roush	1	4,750	4,750
Rupp Construction, Inc.	1	378,317	378,317
S & S Aggregate, Inc.	4	811,943	820,931
S.R.I., Inc.	1	241	241
Sandman Trucking, Inc.	1	45,350	45,350
Guy Schieve	1	4,500	4,500
Roy B. Schweitzer	1	187,550	187,550
Schloss Materials Co.	1	68,000	68,000
Mark E. Scott	1	20,000	20,000
Seville Sand & Gravel, Inc.	1	295,950	284,700
Shady Bend Sand & Gravel	1	50,163	50,163
Shamrock Materials, Inc.	1	308,000	308,000
Sharon Stone Co.	1	345,075	345,075
Shelly Materials, Inc.	15	5,585,734	5,644,102
Sidco Development, Inc.	1	256,450	256,450
R. W. Sidley, Inc.	2	38,600	40,100
Joe Simak & Sons Trucking, Inc.	3	57,400	57,400
Small's Sand & Gravel, Inc.	3	330,473	330,473
George C. Smith/Mason's Sand & Gravel Co.	1	63,622	63,622
Sober Sand & Gravel Co.	1	258,000	258,000
Soehnlen Bros. Sand & Gravel, Inc.	1	158,863	158,863
Solomon's Mines, Inc.	1	70,393	70,393
Solon Excavators Sand & Gravel, Inc.	1	62,000	0
Soltis Sand & Gravel	1	1,794	2,040
South Central Sand & Gravel	1	22,607	22,607
Southern Ohio Aggregates, Inc.	1	60,000	60,000
St. Joe Sand & Gravel, LLC	1	149,996	149,906
Stewart & Reichman, Inc.	1	87,166	87,166
Stocker Sand & Gravel Co.	2	869,020	869,020
Joseph N. Sypniewski	1	364	431
Thiel Construction Co.	1	3,991	3,991
Three C's Gravel	1	110	110
Tipp Stone Co., Inc.	2	31,858	31,858
Top Dog Service Co.	1	5,000	5,000
Trout Sand & Gravel Co.	1	75,622	9,946
Tuffco Sand & Gravel, Inc.	1	192,950	192,950
Twinsburg Development Corp.	1	209,000	209,000
United Aggregates, Inc.	2	318,671	113,455
Valley Materials Co.	1	34,000	34,000
Ralph C. Wagner & Sons	1	350	350
Walhonding Sand & Gravel	1	61,304	61,304
Ward Materials, Inc.	1	50,158	55,848
Watson Gravel, Inc.	5	2,335,207	2,335,207
Weber Sand & Gravel, Inc.	1	80,000	80,000
Welch Sand & Gravel, Inc.	3	1,281,479	1,281,479
Westfall Aggregate & Materials, Inc.	1	92,074	92,074
Willowbrook Sand & Gravel, LLC	1	58,873	58,873
Wooster Aggregates, LLC	1	254,000	254,000
Wylie and Sons Landscaping	1	31,585	50,290
Wysong Gravel Co.	2	275,528	273,537
X. L. Sand & Gravel Co., Inc.	1	85,875	85,875
Xenia Sand & Gravel, Inc.	1	4,311	4,311
Yellow Springs Aggregate, LLC	2	242,156	242,156
Joe Yochman Excavating, Inc.	1	2,500	2,500
Young's Sand & Gravel Co.	3	362,044	362,044
Zollinger Sand & Gravel Co.	1	30,265	30,265
TOTAL: 192 companies	278	47,023,674	47,753,217

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY

For those mines for which a state mine number has not been assigned, a letter designation is used (example: Ald-G).

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Allen	Ward Materials, Inc.	Ward Materials, Inc.	Monroe	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, ponds gravel—building, road construction/resurfacing, filtration, ponds	An-W
Ashland	Bartley & Bolin Excavating	Bartley & Bolin, Inc. James Plant	Lake	sand—building gravel—building, bank run	Ald-B
	Courtney Enterprises, Inc.	Joyce A. Good	Jackson	sand—building gravel—building	Ald-G
	Young's Sand & Gravel Co.	Sprang & Youngs	Green	sand—building, road construction/resurfacing, unspecified gravel—building, road construction/resurfacing, unspecified	Ald-7
		Ayers	Green	sand—building, road construction/resurfacing, unspecified gravel—building, road construction/resurfacing, unspecified	Ald-15
		Spreng	Green	sand—building, road construction/resurfacing, unspecified gravel—building, road construction/resurfacing, unspecified	Ald-Y
Ashtabula	Clemson Excavating, Inc.	Clemson Excavating Sand & Gravel	Hartsgrove	gravel—road construction/resurfacing, septic	Asa-C
	Frye Sand & Gravel, Inc.	Frye Sand & Gravel, Inc.	Denmark	gravel—bank run	Asa-10
	Frye Sand & Gravel, Inc.	Frye Sand & Gravel, Inc.	Monroe	gravel—bank run	Asa-F
	Joe Simak & Sons Trucking, Inc.	Baird Pit	Conneaut	sand—asphaltic concrete gravel—filtration	Asa-JS
	Joe Simak & Sons Trucking, Inc.	Dreslinski Pit	Kingsville	sand—fill gravel—building, filtration	Asa-JS1
		North Ridge Pit	Kingsville	sand—building gravel—building	Asa-18
	John R. Doherty	Doherty	Richmond	gravel—unspecified	Asa-JD
	Joseph N. Sypniewski	Sypniewski	Trumbull	sand—unspecified gravel—unspecified	Asa-SY
	Kinsman Materials, Ltd.	Kinsman Materials, Ltd.	Wayne	sand—building, road construction/resurfacing, fill gravel—road construction/resurfacing, filtration	Asa-20
	Mathews Sand & Gravel	Mathews Sand & Gravel	N. Kingsville	sand—building gravel—building	Asa-M
	Nelson Sand & Gravel, Inc.	Nelson Sand & Gravel, Inc.	Kingsville	sand—building gravel—building	Asa-N1
	R. W. Sidley, Inc.	Sidley-Kingsville Plant	Kingsville	sand—building, fill gravel—building	Asa-15
Athens	Black Top Contracting, Inc.	York Twp. Trustees	York	sand—portland cement concrete, asphaltic concrete, road construction/resurfacing gravel—portland cement concrete, asphaltic concrete, road construction/resurfacing	As-BT
	Cochran Transportation Services, Inc.	Circle Hill	Dover	sand—unspecified gravel—unspecified	As-595

Auglaize	Quality Ready Mix, Inc.	Quality Pit	Pusheta	sand—building, portland cement concrete gravel—building	Ae-16
Butler	Broshear Contractors, Inc.	Green Heron	Ross	sand—pipe bedding gravel—pipe bedding	Br-B
	Dingledine Basic Materials, Inc.	Dingledine Basic Materials, Inc.	Milford	sand—building gravel—building, road construction/resurfacing	Br-50
	Gaston Bowling, Inc.	Indian Creek Sand & Gravel	Ross	gravel—building, road construction/resurfacing, bank run	Br-40
	Martin Marietta Aggregates	Fairfield II Gravel	Fairfield	sand—unspecified gravel—unspecified	Br-14
		Fairfield Sand & Gravel	Fairfield, Ross	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Br-35
		Hamilton Gravel	St. Clair	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Br-5
		Ross Sand & Gravel	Fairfield, Ross	sand—building gravel—building	Br-29
	Roy B. Schweitzer	New Miami Pit	St. Clair	sand—unspecified gravel—unspecified	Br-3
	Shamrock Materials, Inc.	Shamrock	Madison	sand—building, portland cement concrete, road construction/resurfacing gravel—building, portland cement concrete, road construction/resurfacing	Br-52
	Southern Ohio Aggregates, Inc.	New Miami Plant	St. Clair	sand—building gravel—building	Br-S
	Watson Gravel, Inc.	Mecco, Inc.	Lemon	sand—building, portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, road construction/resurfacing	Br-15
		River Pit	Fairfield	sand—building gravel—building, road construction/resurfacing	Br-57
		Watson Pit	Fairfield	sand—building, portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing	Br-47
	Welch Sand & Gravel, Inc.	Schlichter Pit	Fairfield	sand—building gravel—building	Br-38
Carroll	Oneida Sand & Gravel, Inc.	Oneida Sand & Gravel, Inc.	Brown	sand—building gravel—building	Cl-204
	Power Development Corp.	Power Development/Robertson	Brown	sand—road construction/resurfacing gravel—road construction/resurfacing	Cl-PD
Champaign	Mechanicsburg Sand & Gravel, Inc.	Mechanicsburg Sand & Gravel, Inc.	Union	sand—unspecified gravel-unspecified	Cpn-22
	Moore's Excavating Co.	Moore's Excavating Co.	Salem	sand—building gravel—building	Cpn-20
	Morrow Gravel Co.	Urbana	Urbana	sand—portland cement concrete, gravel—building, portland cement concrete	Cpn-1
	Shelly Materials, Inc.	Shelly Materials, Inc. Plant #1336	Union	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Cpn-21

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Champaign (cont.)	Three C's Gravel	Three C's Gravel	Salem	sand—road construction/resurfacing, gravel—road construction/resurfacing,	Cpn-T
Clark	Barrett Paving Materials, Inc.	Barrett Paving Materials, Inc.	Mad River	sand—building, asphaltic concrete, gravel—building, asphaltic concrete,	Ck-28
	Demmy Construction, Inc.	Demmy Constuction, Inc.	Mad River	sand—fill gravel—filtration	Ck-501
	Demmy Sand & Gravel	Demmy Sand & Gravel	Mad River	sand—building gravel—building	Ck-502
	Enon Sand & Gravel, LLC	Enon Sand & Gravel, LLC	Bethel, Mad River	sand—portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing	Ck-3
	Martin Marietta Aggregates	Fairborn Gravel	Bethel	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Ck-13
	Moore's Excavating Co.	Moore's Excavating Co.	Moorefield	sand—building gravel—building	Ck-29
	Shelly Materials, Inc.	Springfield Plant #1303	Springfield	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Ck-25
	Yellow Springs Aggregate, LLC	Springfield Plant	German	sand—portland cement concrete, gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing	Ck-B
Clermont	Evans Gravel, Inc.	Evans Gravel, Inc.	Union	sand—asphaltic concrete gravel—asphaltic concrete	Ct-9
	Kipp's Gravel Co., Inc.	Kipp's Gravel Co., Inc.	Stonelick	sand—building gravel—building	Ct-7
Columbiana	Hartley Gravel	Hartley Gravel	Knox	sand—building gravel—building	Ca-H1
	Harvest Sand & Gravel, Inc.	Eberly	Salem	sand—asphaltic concrete, backfill gravel—pipe bedding	Ca-H2
	Solomon's Mines, Inc.	Solomon's Mines, Inc.	Salem	sand—building, road construction/resurfacing, fill gravel—building, road construction/resurfacing, filtration	Ca-S
	Willowbrook Sand & Gravel, LLC	Willowbrook Sand & Gravel	Elk Run	sand—unspecified gravel—unspecified	Ca-993
	X. L. Sand & Gravel Co., Inc.	X. L. Sand & Gravel Co., Inc.	Middleton	sand—building gravel—building	Ca-881
Coshocton	Razor Lake S. & G., LLC	Razor Lakes S. & G., LLC	Oxford	sand—building gravel—building	Cn-R
	Shady Bend Sand & Gravel	Shady Bend Sand and Gravel	Oxford	sand—road construction/resurfacing gravel—road construction/resurfacing	Cn-624
	Shelly Materials, Inc.	Apache Pit #1	Keene	sand—building, asphaltic concrete, unspecified gravel—building, asphaltic concrete, road construction/resurfacing, unspecified	Cn-783

		Shelly Materials, Inc. Plant #1305	Bethlehem	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Cn-694
	Walhonding Sand & Gravel	Walhonding Valley Sand & Gravel	New Castle	sand—building, fill gravel—road construction/resurfacing	Cn-WL
	William Albert, Inc.	William Albert, Inc. Pit 2	Lafayette	sand—building, road construction/resurfacing, unspecified gravel—building, road construction/resurfacing, filtration, unspecified	Cn-WA
Crawford	Gibson Sand & Gravel Co.	Gibson Sand & Gravel Co.	Jefferson	sand—unspecified	Cd-G
Darke	Foureman's Sand & Gravel, Inc.	Foureman's Sand & Gravel, Inc.	Greenville	sand—building, portland cement concrete, industrial sand gravel—building, portland cement concrete	Dke-4
Erie	Erie Materials, Inc.	Borchardt	Groton, Margaretta	gravel—unspecified	Ee-18
	Jarrett Sand Co.	Jarrett Sand Co.	Groton	sand—unspecified gravel—unspecified	Ee-29
Fairfield	James E. Downard	Downard Pit	Rush Creek	sand—unspecified gravel—unspecified	Fd-16
	Paul D. Beery Trucking Co.	Paul D. Beery Trucking Co.	Berne	sand—unspecified gravel—unspecified	Fd-14
	Shelly Materials, Inc.	Shelly Materials, Inc. Plant #1314	Berne	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Fd-13
Franklin	Agg Rok Materials	Agg Rok	Franklin	sand—building, asphaltic concrete gravel—building, asphaltic concrete	Fn-36
	George C. Smith/Mason's Sand & Gravel Co.	Mason's Sand & Gravel Co.	Hamilton	sand—building gravel—building	Fn-11
	JP Sand & Gravel Co.	JP Sand & Gravel Co.	Hamilton	sand—building gravel—building	Fn-52
	Olen Corp.	Columbus Plant #3	Hamilton	sand—building, portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, asphaltic concrete	Fn-58
	Shelly Materials, Inc.	Lockbourne #1333	Hamilton	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Fn-23
Fulton	Harlen D. & Barbara L. Clark	Clark	Chesterfield	sand—unspecified	Ftn-C
	Northwest Ohio Property Developments, Ltd.	NOPD, Ltd.	Dover	sand—building, agricultural	Ftn-NW
	Sandman Trucking, Inc.	Sandman Trucking, Inc.	Swan Creek	sand—building	Ftn-SA1
	Wylie and Sons Landscaping	Wylie and Sons Landscaping	Swan Creek	sand—unspecified	Ftn-W2
Gallia	Jaclib Enterprises, Inc.	Cheshire Pit	Cheshire	sand—fill	Ga-JE
	Ours Sand & Gravel	Ours Sand & Gravel	Ohio	sand—unspecified	Ga-O

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Geauga	Haueter Sand & Gravel, Inc.	Haueter Sand & Gravel, Inc.	Burton, Newbury	sand—building, portland cement concrete gravel—building, unspecified	Gea-29
	Soltis Sand & Gravel	Soltis Sand & Gravel	Parkman	sand—fill gravel—road construction/resurfacing	Gea-9
	T & K Kuhnle Co.	Munn Materials	Auburn	sand—road construction/resurfacing gravel—road construction/resurfacing	Gea-TK
Greene	Barrett Paving Materials, Inc.	Fairborn Aggregate Plant	Bath	sand—building, portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, asphaltic concrete	Ge-4 Ge
	M. J. Coates Construction Co., Inc.	M. J. Coates Construction Co., Inc.	Spring Valley	sand—building gravel—building	Ge-47
		M. J. Coates Construction Co., Inc.	Spring Valley	gravel—building	Ge-G
	Martin Marietta Aggregates	Haines Rd.	Beaver Creek	sand—unspecified gravel—unspecified	Ge-32
		Spring Valley S & G	Spring Valley	sand—unspecified gravel—unspecified	Ge-42
		Xenia S & G	Beaver Creek, Xenia	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Ge-33
	Phillips Sand & Gravel	Phillips Sand & Gravel	Beaver Creek	sand—unspecified gravel—unspecified	Ge-36
	R.J. Martin Service & Excavating	Horseshoe Bend Sand & Gravel, Inc.	Spring Valley	gravel—unspecified	Ge-40
	Xenia Sand & Gravel, Inc.	Xenia Sand & Gravel, Inc.	Xenia	sand—unspecified gravel—unspecified	Ge-10
	Yellow Springs Aggregate, LLC	Yellow Springs Plant	Xenia	sand—building, road construction/resurfacing gravel—building, road construction/resurfacing	Ge-W
Hamilton	Allgeier & Son, Inc.	Allgeier & Son, Inc.	Miami	sand—building gravel—building	Hmn-C
	Allgeier & Son, Inc.	Allgeier & Son, Inc. Pit 1	Miami	sand—building gravel—building	Hmn-AS1
	Allgeier & Son, Inc.	Allgeier & Son, Inc. Pit 2	Whitewater	sand—building gravel—building	Hmn-AS
	Ashcraft Sand & Gravel, Inc.	Ashcraft Sand & Gravel, Inc.	Whitewater	sand—building gravel—building	Hmn-54
	Crosby Gravel, Inc.	Crosby Gravel, Inc.	Crosby	sand—unspecified	Hmn-44
	Evans Gravel, Inc.	Evans Gravel, Inc.	Anderson	gravel—asphaltic concrete	Hmn-E
	Hanson Aggregates Midwest, Inc.	Dry Fork Sand & Gravel	Harrison, Whitewater	sand—building, road construction/resurfacing, fill, unspecified gravel—building, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Hmn-50
	Harrison Sand & Gravel Co.	Harrison Sand & Gravel Co.	Harrison	sand—building gravel—building	Hmn-17
	Joe E. Carter	Lost Bridge	Whitewater	sand—building gravel—building	Hmn-JC
	Martin Marietta Aggregates	E-town Sand & Gravel	Whitewater	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Hmn-71

		Harrison Sand & Gravel	Harrison	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Hmn-37
		Miamitown	Crosby, Whitewater	sand—unspecified gravel—unspecified	Hmn-D
		Stuart Pit	Miami	sand-unspecified gravel—unspecified	Hmn-P
	R. L., Ltd.	R. L. Ltd.	Crosby	sand—building	Hmn-67
	Top Dog Service Co.	Top Dog Service Co.	Whitewater	gravel—unspecified	Hmn-G
	Watson Gravel, Inc.	Harrison #2	Whitewater	sand—building, portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing	HmnARH
		Minges-Getz	Miami	sand—building, portland cement concrete, asphaltic concrete, gravel—building, portland cement concrete, road construction/resurfacing,	Hmn-64
	Welch Sand & Gravel, Inc.	East Miami Pit	Colerain	sand—building gravel—building	Hmn-48
		Fernald Pit	Crosby	sand—building gravel—building	Hmn-42
Hardin	Norman Harpster	Harpster Pit	Roundhead	gravel—unspecified	Hdn-H
Highland	Ervin Hill Enterprises, Inc.	Ervin Hill Enterprises, Inc.	New Market	sand—building gravel—building	Hd-L
Hocking	Hocking Valley Concrete, Inc.	Hocking Valley Concrete, Inc.	Green	sand—portland cement concrete gravel—portland cement concrete	Hg-262
	KCI Sand & Gravel	KCI Sand & Gravel	Green	sand—portland cement concrete, road construction/ resurfacing, fill gravel—portland cement concrete, road construction/ resurfacing	Hg-HA
	L. A. Horn Excavating/Constr., Inc.	L. A. Horn Excavating/Constr., Inc.	Marion	sand—unspecified gravel—unspecified	Hg-L
	MAR-ZANE Materials, Inc.	Enterprise Pit	Falls	sand—unspecified gravel—unspecified	Hg-HV
	Muskingum River Gravel Co.	S & S Aggregate #8	Green, Starr	sand—asphaltic concrete, road construction/ resurfacing,unspecified gravel—asphaltic concrete, road construction/ resurfacing, unspecified	Hg-301
Holmes	Craigton Shale Co.	Lakeville Sand & Gravel, Ltd.	Washington	sand—portland cement concrete gravel—building	Hs-C
	Feikert Sand & Gravel, Inc.	Feikert Sand & Gravel, Inc.	Salt Creek	sand—building, portland cement concrete, road construction/resurfacing gravel—building, portland cement concrete, road construction/resurfacing	Hs-511
	Holmes Supply Corp.	Holmes Supply Corp.	Prairie	sand—portland cement concrete, asphaltic concrete, road construction/resurfacing, fill gravel—building, asphaltic concrete, road construction/ resurfacing, filtration	Hs-J
	Menuez Bros. Sand & Gravel, Inc.	Menuez Bros. Sand & Gravel, Inc.	Hardy	sand—asphaltic concrete, road construction/ resurfacing, fill, ice control gravel—road construction/resurfacing, filtration, fill	Hs-82

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Huron	Erie Blacktop, Inc.	Erie Blacktop, Inc.	Norwalk	gravel—unspecified	Hrn-16
Knox	Olen Corp.	Fredericktown Plant #2	Morris	sand—building, portland cement concrete, asphaltic concrete gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing	Kx-O
	Small's Sand & Gravel, Inc.	Small's Sand & Gravel, Inc.	Howard	sand—building gravel—building	Kx-S
		Small's Sand & Gravel, Inc.	Harrison	sand—building, asphaltic concrete, road construction/resurfacing gravel—building, asphaltic concrete, road construction/resurfacing	Kx-15
		Small's Sand & Gravel, Inc.	Harrison	sand—unspecified gravel—unspecified	Kx-17
	United Aggregates, Inc.	United Aggregates, Inc.	Clinton	sand—building, road construction/resurfacing gravel—building	Kx-3
		United Aggregates, Inc.	Union	sand—building gravel—building	Kx-5
Lake	R. W. Sidley, Inc.	Sidley-Painesville Plant	Painesville	sand—fill	Lke-7
Licking	Gary Roberts Excavating	Gary Roberts Excavating	Madison	gravel—unspecified	Lg-504
	Olen Corp.	St. Louisville Plant #5	Washington	sand—building, portland cement concrete, asphaltic concrete gravel—building, asphaltic concrete, road construction/resurfacing	Lg-31
	Shelly Materials, Inc.	Eagle Material Supply Ltd Plant #1312	St. Albans	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Lg-W
		Van Wey Sand & Gravel Plant #1312	Newton	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Lg-10
Logan	Boyd Excavating	Boyd Excavating	Monroe	sand—asphaltic concrete, gravel—road construction/resurfacing	Lgn-B
	Duff Quarry, Inc.	Duff Quarry, Inc.	Lake	sand—fill	Lgn-36
		Duff Sand Co.	Washington	sand—building, portland cement concrete	Lgn-31
	Neer's Sand & Gravel	Neer's Sand & Gravel	Union	sand—unspecified gravel—unspecified	Lgn-6
Lorain	Guy Schieve	Schieve Pit	Henrietta	sand—building	Ln-12
Madison	Tuffco Sand & Gravel, Inc.	Tuffco Sand & Gravel, Inc.	Darby	sand—building, asphaltic concrete gravel—building	Mdn-11
Mahoning	Joe Yochman Excavating, Inc.	Yochman	Milton	sand—unspecified gravel—unspecified	Mg-Y

Marion	Fleming Construction Co., Inc.	Pit #1	Prospect	sand—building gravel—unspecified	Mn-16
		Pit #2	Prospect	sand—building gravel—building	Mn-19
Medina	Baker Sand, Inc.	Baker Sand, Inc.	Harrisville, Westfield	sand—portland cement concrete, industrial sand, mason sand gravel—building	Ma-20
	Seville Sand & Gravel, Inc.	Seville Sand & Gravel, Inc.	Harrisville, Westfield	sand—building, asphaltic concrete, fill gravel—building, asphaltic concrete, road construction/resurfacing, filtration	Ma-22
Meigs	Jaymar, Inc.	Plant #4	Olive	sand—unspecified gravel—unspecified	Ms-308
	Martin Marietta Aggregates	Apple Grove Plant	Letart	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration	Ms-205
	Shelly Materials, Inc.	Shelly Materials, Inc. Plant #1306	Letart	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Ms-298
Miami	Lloyd B. Fry	Lloyd B. Fry	Washington	sand—unspecified gravel—unspecified	Mi-T
	Martin Marietta Aggregates	Troy Sand & Gravel	Concord	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Mi-3
	Milton Materials, LLC	Milton Materials Fenner Pit	Newton	sand—building, portland cement concrete gravel—building	Mi-4
	Tipp Stone Co., Inc.	Tipp Stone Co., Inc.	Elizabeth	sand—building gravel—building	Mi-12
Montgomery	Barrett Paving Materials, Inc.	West Carrollton Aggregate Plant	Jefferson, Miami	sand—building, portland cement concrete, asphaltic concrete, unspecified gravel—portland cement concrete, asphaltic concrete, unspecified	My-19
	Carter & Carter, Inc.	Carter & Carter, Inc.	Miami	sand—road construction/resurfacing gravel—road construction/resurfacing	My-CW
	Martin Marietta Aggregates	Rip Rap Rd.	Wayne	sand—unspecified gravel—unspecified	My-66
	Miller Bros. Gravel, Inc.	Miller Bros. Gravel, Inc.	Butler	sand—portland cement concrete, unspecified gravel—building, portland cement concrete, road construction/resurfacing, filtration, unspecified	My-52
	Moraine Materials Co., Inc.	Germantown Plant 21	German	sand—building gravel—building	My-41
	S.R.I., Inc.	S.R.I., Inc.	Jefferson	gravel—unspecified	My-R
	Tipp Stone Co., Inc.	Tipp Stone Co., Inc.	Butler	sand—building gravel—building	My-61
	Wysong Gravel Co.	Wysong Gravel Co.	Madison	sand—unspecified gravel—unspecified	My-Wy
Morgan	Link Trucking Co., Inc.	Matthew	Bloom	sand—building gravel—unspecified	Mon-L

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Morrow	Chesterville Sand & Gravel Co., Inc.	Chesterville Sand & Gravel Co., Inc.	Chester	sand—building, fill gravel—building, road construction/resurfacing, filtration, unspecified	Mw-10
Muskingum	James Bros. Sand & Gravel, Ltd.	James Brothers Sand & Gravel, Ltd.	Washington	sand—unspecified	Mum-J1
	LUB, Inc.	LUB, Inc.	Muskingum	sand—building gravel—building	Mum-LB
	Muskingum River Gravel Co.	S & S Aggregate #1	Wayne	sand—building, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, asphaltic concrete, road construction/resurfacing, unspecified	Mum-228
	Shelly Materials, Inc.	Shelly Materials, Inc. Plant #1309	Cass	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Mum-799
Pickaway	Darby Creek Excavating, Inc.	Darby Creek Excavating, Inc.	Muhlenburg	sand—unspecified gravel—unspecified	Pky-DC
	George J. Igel & Co., Inc.	George J. Igel & Co., Inc.	Darby	gravel—building	Pky-C
	Roy M. Roush	R Farm S & G	Darby	sand—road construction/resurfacing gravel—road construction/resurfacing	Pky-RR
	The Melvin Stone Co., LLC	Circleville	Wayne	sand—building, portland cement concrete, asphaltic concrete, unspecified gravel—building, asphaltic concrete, road construction/resurfacing, unspecified	Pky-R
	Westfall Aggregate & Materials, Inc.	Hill Road Pit	Jackson	sand—unspecified gravel—unspecified	Pky-WA
	William A. Hoffman, Jr.	Hoffman Pit	Wayne	sand—unspecified gravel—unspecified	Pky-H
Pike	Hanson Aggregates Midwest, Inc.	Piketon Sand & Gravel	Scioto	sand—unspecified gravel—unspecified	Pke-24
	South Central Sand & Gravel	South Central Sand & Gravel	Scioto	sand—portland cement concrete gravel—road construction/resurfacing	Pke-30
	Valley Materials Co.	Valley Materials #2	Scioto	sand—building gravel—building	Pke-V
Portage	Ballentine Excavation Co.	Ballentine Lake	Shalersville	sand—building, portland cement concrete gravel—building	Pe-BA
	Beck Sand & Gravel, Inc.	Beck Sand & Gravel, Inc.	Portage, Shalersville	sand—unspecified gravel—unspecified	Pe-50
	D & K Materials, Inc.	D & K Materials, Inc.	Brimfield	sand—building, road construction/resurfacing gravel—building	Pe-101
	GANS, Ltd.	GANS, Ltd. dba Brimfield Sand & Soils	Brimfield	sand—unspecified gravel—unspecified	Pe-102
	Hilltop Aggregate, Inc.	Hilltop Aggregate, Inc.	Suffield	sand—unspecified gravel—unspecified	Pe-56
	Hugo Sand Co.	Hugo Sand Co.	Franklin	sand—building, portland cement concrete, gravel—building, road construction/resurfacing, filtration	Pe-10
	Lafarge North America	Shalersville North	Shalersville	sand—building gravel—building	Pe-La

	Lakeside Sand & Gravel Co.	Lakeside Sand & Gravel Co.	Shalersville	sand—portland cement concrete gravel—portland cement concrete	Pe-40
	Lucky Sand & Gravel Co.	Lucky Sand & Gravel Co.	Mantua	sand—building gravel—building	Pe-L
	Oscar Brugmann Sand & Gravel, Inc.	Oscar Brugmann Sand & Gravel, Inc.	Shalersville	sand—unspecified gravel—unspecified	Pe-9
	Patrick Excavating, Inc.	Patrick	Charlestown	sand—building gravel—building	Pe-P
	Portage Aggregate & Supply, LLC	Portage Aggregate & Supply, LLC	Shalersville	sand—building, portland cement concrete gravel—building	Pe-M
	R. A. Cruise Sand & Gravel, Inc.	R. A. Cruise Sand & Gravel, Inc.	Franklin, Ravenna	sand—building, portland cement concrete, asphaltic concrete gravel—building	Pe-45
	Rainbow Sand & Gravel, Inc.	Rainbow Sand & Gravel, Inc.	Shalersville	sand—portland cement concrete, unspecified gravel—building	Pe-64
	S & S Aggregate, Inc.	S & S Agg #16	Ravenna	sand—asphaltic concrete, road construction/resurfacing, unspecified gravel—asphaltic concrete, road construction/resurfacing, unspecified	Pe-15
	Schloss Materials Co.	Schloss Materials Co.	Mantua	sand—building gravel—building	Pe-60
	Shelly Materials, Inc.	Jefferson Materials Plant #1302	Streetsboro	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Pe-63
	Sober Sand & Gravel Co.	Sober Sand & Gravel Co.	Rootstown	sand—asphaltic concrete gravel—building	Pe-18
	Solon Excavators Sand & Gravel, Inc.	Valley Brook	Shalersville	asphaltic concrete sand—building	Pe-V
	Twinsburg Development Corp.	Twinsburg Development Corp.	Aurora	sand—building gravel—building	Pe-84
Preble	Loxley Aggregates, Inc.	Loxley Aggregates, Inc.	Twin	sand—building gravel—building	Pre-9
	Wysong Gravel Co.	Wysong Gravel Co.	Somers	sand—unspecified gravel—unspecified	Pre-4
Richland	Bartley & Bolin Excavating	McNaul Road Plant	Weller	sand—building gravel—building, bank run	Rd-20
	D. H. Bowman & Sons, Inc.	D. H. Bowman & Sons, Inc.	Jefferson	sand—building, road construction/resurfacing gravel—building, road construction/resurfacing	Rd-4
	Ganges Gravel Co.	Ganges Gravel Co.	Cass	sand—unspecified gravel—unspecified	Rd-18
	John L. Garber Materials, Inc.	John L. Garber Materials, Inc.	Troy	sand—building gravel—building	Rd-14
		John L. Garber Materials, Inc.	Washington	sand-unspecified gravel-unspecified	Rd-G
	Mid Ohio Resources	Belleville West	Jefferson	sand—road construction/resurfacing gravel—portland cement concrete, road construction/resurfacing	Rd-M1
	S & S Aggregate, Inc.	S & S Agg. #14	Monroe	sand—asphaltic concrete, road construction/resurfacing, unspecified gravel—asphaltic concrete, road construction/resurfacing, unspecified	Rd-5

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Ross	D.G.M., Inc.	Towpath-Warwick	Twin	sand—building, portland cement concrete gravel—building, portland cement concrete	Rs-D
	David E. Edgington	Edgington Pit	Concord	sand—building gravel—building	Rs-E
	Mark E. Scott	Scott Pit	Green	sand—building gravel—building	Rs-P
	Muskingum River Gravel Co.	S & S Aggregate Plant #7	Jefferson	sand—asphaltic concrete, unspecified gravel—asphaltic concrete, road construction/resurfacing, unspecified	Rs-M
	Olen Corp.	Chillicothe	Liberty	sand—building, portland cement concrete gravel—building, portland cement concrete	Rs-G
	Shelly Materials, Inc.	Shelly Material, Inc. Plant #1321	Springfield	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Rs-27
Sandusky	Precision Aggregates III, LLC	Precision Aggregates III, LLC	Sandusky	sand—unspecified gravel—unspecified	Sy-5
Scioto	Boone Coleman Construction, Inc.	Coleman Pit	Washington	sand—unspecified gravel—unspecified	So-B
	D.G.M., Inc.	Tow Path Ready Mix	Morgan	sand—building, portland cement concrete gravel—building, portland cement concrete	So-DGM
	Hanson Aggregates Midwest, Inc.	Scioto Valley Resources	Valley	sand—unspecified gravel—unspecified	So-100
	Shelly Materials, Inc.	Shelly Materials, Inc.	Green	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	So-79
Shelby	Barrett Paving Materials, Inc.	Hardin Sand & Gravel	Washington	sand—portland cement concrete, asphaltic concrete, road construction/resurfacing, fill gravel—portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration	Shy-SC
	Barrett Paving Materials, Inc.	Jones Deposit	Washington	sand—unspecified gravel—unspecified	Shy-18
	Miami River Stone Co.	Miami River Stone Co.	Orange	road construction/resurfacing road construction/resurfacing	Shy-17
		Staley Pit	Clinton, Salem	gravel—road construction/resurfacing	Shy-SS
		Washington Twp. Pit	Washington	sand—unspecified gravel—unspecified	Shy-13
Stark	American Sand & Gravel, Inc.	Plant #4	Jackson	sand—road construction/resurfacing gravel—road construction/resurfacing	Sk-243
		Plant 6	Jackson	sand—road construction/resurfacing gravel—road construction/resurfacing	Sk-RO
	Beaver Excavating, Inc.	Stone Products	Canton	sand—road construction/resurfacing gravel—road construction/resurfacing	Sk-BE
	Central-Allied Enterprises, Inc.	Canton Aggregate Div.	Plain	sand—unspecified gravel—unspecified	Sk-681

		Central Aggregate Div.	Perry	sand—unspecified gravel—unspecified	Sk-CA
		Central Sand & Gravel Div.	Plain	sand—portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Sk-CA1
		Massillon Washed Gravel Div.	Bethlehem	sand—unspecified gravel—unspecified	Sk-607
		Massillon Washed Gravel Div.	Bethlehem	sand—unspecified gravel—unspecified	Sk-MW
	ENZ, Inc.	Baum	Pike	sand—asphaltic concrete gravel—asphaltic concrete	Sk-E
	Heiser Sand & Gravel Corp.	Heiser Sand & Gravel Corp.	Jackson	sand—building gravel—building	Sk-HS1
	L & M Mineral Co.	Barr Farm	Bethlehem	sand—fill	Sk-LM
	Massillon Materials, Inc.	Massillon Materials, Inc.	Perry	sand—asphaltic concrete, road construction/resurfacing gravel—asphaltic concrete, road construction/resurfacing,	Sk-M
		MMI Warmington Plant	Perry	sand—road constructio/resurfacing gravel—asphaltic concrete	Sk-M1
	National Aggregates, Inc.	National Aggregates, Inc.	Sandy	sand—unspecified gravel—unspecified	Sk-1017
	Oster Sand & Gravel, Inc.	Massillon Plant	Jackson, Perry	sand—building, portland cement concrete, asphaltic concrete, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Sk-165
	Ralph C. Wagner & Sons	Wagner & Sons	Bethlehem	sand—unspecified gravel—unspecified	Sk-W
	Shelly Materials, Inc.	Allied Corp., Inc. #1301	Perry	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Sk-N
Summit	Alden Excavating	Alden Excavating	Northampton	sand—unspecified gravel—unspecified	St-55
	S & S Aggregate, Inc.	Twin Lakes—S & S Agg #9	Coventry	sand—asphaltic concrete, road construction/resurfacing, unspecified gravel—asphaltic concrete, unspecified	St-44
Trumbull	Timothy P. Gleason	Springbrook	Mesopotamia	sand—building, portland cement concrete, asphaltic concrete, fill gravel—building	Tl-12
Tuscarawas	J. E. Nicolozakes Co.	Bank One	Goshen	sand—building, unspecified gravel—building, unspecified	Ts-N
	JBM, Ltd.	State Rt. 416 Sand & Gravel	Goshen	sand—building gravel—building	Ts-2018
	L & M Mineral Co.	Spring Industries	Goshen, Warwick	sand—fill	Ts-SI
	Massillon Materials, Inc.	MMI Sandyville Plant	Sandy	gravel—road construction/resurfacing	Ts-MM
	Newton Asphalt Paving, Inc.	516	Dover	sand—asphaltic concrete gravel—asphaltic concrete	Ts-2001
	Oster Sand & Gravel, Inc.	Oster Sand & Gravel, Inc. - Bolivar	Sandy	sand—building, portland cement concrete, asphaltic concrete, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Ts-2036

2006 OHIO DIRECTORY OF SAND AND GRAVEL MINING OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY (cont.)

County	Name of operator	Name of pit	Township	Type and principal use	State mine number
Tuscarawas (cont.)	Sidco Development, Inc.	Midvale Sand & Gravel	Goshen	sand—asphaltic concrete gravel—portland cement concrete	Ts-S2
	Soehnlen Bros. Sand & Gravel, Inc.	Soehnlen Bros. Sand & Gravel, Inc.	Wayne	sand—building, portland cement concrete, asphaltic concrete, industrial sand gravel—portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration,	Ts-1826
	Stewart & Reichman, Inc.	Stewart & Reichman, Inc.	Warwick	sand—building, gravel—road construction/resurfacing	Ts-111
	Stocker Sand & Gravel Co.	Stocker Sand & Gravel Co. - Gnaden	Clay	sand—building, road construction/resurfacing gravel—building, road construction/resurfacing	Ts-69
	Stocker Sand & Gravel Co.	Stocker Sand & Gravel Co. - Island	Clay	sand—building, road construction/resurfacing gravel—building, road construction/resurfacing	Ts-125
Warren	Carl E. Oeder & Sons Sand & Gravel	Carl E. Oeder and Sons Sand & Gravel	Turtle Creek	sand—unspecified gravel—unspecified	Wan-41
	L & I Natural Resources, Inc.	L & I Pit & Mill	Union	sand—building gravel—building	Wan-50
	L. C. Trucking Company, Inc.	Waynesville Mulch & Topsoil	Salem	sand—landscaping gravel—landscaping	Wan-LC
	Little Miami Sand & Gravel	Little Miami Sand & Gravel Plant #1	Salem	sand—unspecified gravel—unspecified	Wan-B
		Little Miami Sand & Gravel Plant 2	Salem	sand—unspecified gravel—unspecified	Wan-46
	Martin Marietta Aggregates	Franklin Gravel	Franklin	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, unspecified	Wan-38
	Miami View Mining Co., Ltd.	Miami View	Union	sand—building, road construction/resurfacing gravel—building, road construction/resurfacing	Wan-MV
Washington	Atlas Towing Co.	Belpre Bank Run	Belpre	sand—bank run gravel—bank run	Wn-54
	Briggs Sand & Gravel, Inc.	Briggs Sand & Gravel, Inc.	Warren	sand—building gravel—road construction/resurfacing	Wn-508
	Grimes Excavating	Grimes Sand and Gravel	Grandview	sand—unspecified gravel—unspecified	Wn-1008
	Muskingum River Gravel Co.	Plant #2	Grandview	sand—asphaltic concrete gravel—unspecified	Wn-38
	Sharon Stone Co.	Belpre Sand & Gravel	Belpre	sand—road construction/resurfacing gravel—road construction/resurfacing	Wn-SS
	Shelly Materials, Inc.	Willow Island Plant #1341	Newport	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill, unspecified gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration, unspecified	Wn-C
	Trout Sand & Gravel Co.	Trout Sand & Gravel Co.	Warren	sand—unspecified gravel—unspecified	Wn-510
Wayne	Rupp Construction, Inc.	Rupp Construction, Inc.	Baughman	sand—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, fill gravel—building, portland cement concrete, asphaltic concrete, road construction/resurfacing, filtration	We-7

	Wooster Aggregates, LLC	Wooster Aggregates, LLC	Franklin	sand—building, portland cement concrete, asphaltic concrete	We-11
	Zollinger Sand & Gravel Co.	Zollinger Sand & Gravel Co.	Chippewa	gravel—building, road construction/resurfacing sand—building, portland cement concrete, fill gravel—fill	We-15
Williams	St. Joe Sand & Gravel, LLC	Watson	Superior	sand—building gravel—building	Ws-S
	Thiel Construction Co.	Thiel Construction Co.	Superior	sand—unspecified gravel—unspecified	Ws-21
	Weber Sand & Gravel, Inc.	Weber Sand & Gravel, Inc.	St. Joseph	sand—unspecified gravel—unspecified	Ws-11
Wyandot	Kirby's Sand & Gravel, Inc.	Kirby's Sand & Gravel, Inc.	Crane, Eden	sand—building, fill gravel—building, filtration	Wt-17
	National Lime & Stone Co.	Sammet	Antrim	sand—building, portland cement concrete, asphaltic concrete gravel—unspecified	Wt-N
		Upper Sandusky Plant	Eden	sand—building, portland cement concrete, asphaltic concrete gravel—road construction/resurfacing	Wt-15
Wyandot	Precision Aggregates I, LLC	Precision Aggregate I, LLC	Eden	sand—building gravel—building	Wt-4

2006 SANDSTONE/CONGLOMERATE COMPANIES WITH SALES OR PRODUCTION

Company	No. of operations	Sales (tons)	Production (tons)
American Stone Corp. dba Cleveland Quarries	1	11,910	11,910
Best Sand Corp.	2	805,532	793,187
Briar Hill Stone Co.	5	15,638	15,638
Oscar Brugmann Sand & Gravel, Inc.	1	78,204	80,300
City Stone, LLC	1	31,153	31,153
Diamond Stone Quarries	1	6,000	6,000
Timothy P. Gleason	1	31,979	31,979
J. L. & Son Excavating, Inc.	1	200	200
Johnson Stone Products, Inc.	1	8,320	8,320
Keeney Sand & Stone, Inc.	1	119,449	119,449
Kimble Clay & Limestone Co.	1	13,029	13,029
L & M Mineral Co.	1	10,934	10,934
Mesenburg Bros., Inc.	1	28,515	28,515
Oglebay Norton Industrial Sands, Inc.	2	400,623	502,934
Regeneration Materials	1	8,588	8,678
Riverside Sand & Gravel Co., Inc.	1	2,690	2,690
Schrader and Son, Inc.	1	32,982	32,982
R. W. Sidley, Inc.	1	102,000	160,000
Sidwell Materials, Inc.	2	3,420	3,420
Solomon's Mines, Inc.	1	29,592	29,592
Waller Bros. Stone Co.	2	8,678	8,678
TOTAL: 21 companies	29	1,749,436	1,899,588

2006 OHIO DIRECTORY OF SANDSTONE/CONGLOMERATE MINE OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY

For those mines for which a state mine number has not been assigned, a letter designation is used (example: Gea-N).

County	Name of operator	Name of quarry	Township	Geological unit	Type and principal use	State mine number
Athens	Diamond Stone Quarries	Diamond Stone	Lee	Pennsylvanian	crushed or broken stone—riprap	As-533
Belmont	Sidwell Materials, Inc.	Bellaire Stone	Pultney	Pennsylvanian	crushed or broken stone—riprap	Bt-1190
	Sidwell Materials, Inc.	Uniontown Stone	Wheeling	Pennsylvanian	crushed or broken stone—construction	Bt-N
Columbiana	Solomon's Mines, Inc.	Solomon's Mines, Inc.	Salem	Pennsylvanian	crushed or broken stone—aggregate, construction	Ca-S
Coshocton	Briar Hill Stone Co.	Quarry #24	Monroe	Massillon (Pennsylvanian)	dimension stone—rough construction	Cn-692
	Briar Hill Stone Co.	Quarry #3	Tiverton	Massillon (Pennsylvanian)		Cn-659
	Briar Hill Stone Co.	Quarry #32	Monroe	Massillon (Pennsylvanian)	dimension stone—rough construction	Cn-686
	Briar Hill Stone Co.	Quarry #54	Monroe	Massillon (Pennsylvanian)		Cn-809
	Briar Hill Stone Co.	Quarry #55	Monroe	Massillon (Pennsylvanian)	dimension stone—rough construction	Cn-815
Erie	American Stone Corp. dba Cleveland Quarries	Birmingham Quarry	Florence	Berea (Devonian)	dimension stone—rough construction, rubble, finished stone	Ee-21
Geauga	Best Sand Corp.	Best Sand Corp.	Munson	Sharon (Pennsylvanian)	crushed or broken stone—foundry sand, glass sand, metallurgical pebble, refractory, aggregate, polish/ grinding sand, engine sand, construction, industrial sand, other	Gea-3
	R. W. Sidley, Inc.	Thompson Pit	Thompson	Sharon (Pennsylvanian)	crushed or broken stone—aggregate, polish/ grinding sand, construction, industrial, other	Gea-1
Huron	Mesenburg Bros., Inc.	Mesenburg Bros., Inc.	Townsend	Berea (Devonian)	dimension stone—rough construction	Hrn-8
Knox	Oglebay Norton Industrial Sands, Inc.	Millwood Plant	Butler, Union	Black Hand (Mississippian)	crushed or broken stone—foundry sand, glass sand, aggregate, polish/grinding sand, construction, industrial sand	Kx-1
Lake	Keeney Sand & Stone, Inc.	Keeney Sand & Stone, Inc.	Leroy	Berea (Devonian)	crushed or broken stone—aggregate	Lke-K
Lorain	Johnson Stone Products, Inc.	Kipton Quarry	Camden	Berea (Devonian)	crushed or broken stone—riprap	Ln-J
Perry	Oglebay Norton Industrial Sands, Inc.	Glass Rock Plant	Hopewell	Massillon (Pennsylvanian)	crushed or broken stone—foundry sand, glass sand, aggregate, polish/grinding sand, construction, industrial, other	Py-344
Pike	Best Sand Corp.	Best Sand Corp.	Jackson	Sharon (Pennsylvanian)	crushed or broken stone—metallurgical pebble, refractory, aggregate, construction, industrial sand	Pke-31
	Schrader and Son, Inc.	Schrader & Son, Inc.	Jackson	Sharon (Pennsylvanian)	crushed or broken stone—foundry sand, other	Pke-S
Portage	Oscar Brugmann Sand & Gravel, Inc.	Oscar Brugmann Sand & Gravel, Inc.	Shalersville		crushed or broken stone—construction	Pe-9
Scioto	Waller Bros. Stone Co.	Crabtree Quarry	Union	Buena Vista (Mississippian)	dimension stone—rough construction	So-76
	Waller Bros. Stone Co.	New Inskeep Quarry	Rush	Buena Vista (Mississippian)	dimension stone—rough construction	So-W
Summit	Riverside Sand & Gravel Co., Inc.	Riverside Sand & Gravel Co., Inc.	Stow, Tallmadge	dimension stone—rubble		St-24
Trumbull	City Stone, LLC	City Stone, LLC	Brookfield	Sharon (Pennsylvanian)	crushed or broken stone—construction	Tl-CA
	Timothy P. Gleason	Springbrook	Mesopotamia		crushed or broken stone—construction dimension stone—other	Tl-12
Tuscarawas	J. L. & Son Excavating, Inc.	Beach City Pit	Franklin		crushed or broken stone—construction	Ts-2032
	Kimble Clay & Limestone Co.	Kimble Clay & Limestone Co.	Dover	Pennsylvanian	crushed or broken stone—construction	Ts-1818
	L & M Mineral Co.	Luikart	Mill, Warwick	Pennsylvanian	crushed or broken stone—other	Ts-1914
	Regeneration Materials	Dundee Mine	Wayne	Massillon (Pennsylvanian)	crushed or broken stone—foundry sand, other	Ts-1660

2006 CLAY COMPANIES WITH SALES OR PRODUCTION

Company	No. of operations	Sales (tons)	Production (tons)
Athens Hocking Reclamation Center	1	27,000	27,000
Bearcreek Clay Co.	2	44,000	44,000
Belden Brick Co.	4	189,763	189,763
Blue Jay Enterprises of arawas. Co., Inc.	1	8,367	8,367
Bowerston Shale Co.	1	4,746	4,746
Buckeye-Industrial Mining Co.	3	7,684	7,684
Cedar Heights Clay Co.	1	38,259	38,259
Cochran Transportation Services, Inc.	1	1,220	1,220
Envirosafe Services of Ohio, Inc.	1	64,980	
ENZ, Inc.	1	341,692	341,692
Kimble Clay & Limestone Co.	1	80,930	80,930
L & M Mineral Co.	2	19,854	19,854
Loxley Aggregates, Inc.	1	986	986
Milton Materials, LLC	1	216	216
Nuway Services	1	11,055	11,055
Oxford Mining Co., Inc.	1	25,483	25,483
Patrick Excavating, Inc.	1	1,214	1,214
Rumpke Waste, Inc.	1	30,906	30,906
Sandkuhl Clay Works, Inc.	1	5,104	5,104
Joe Simak & Sons Trucking, Inc.	1	95,000	95,000
Sober Sand & Gravel Co.	1	10,000	10,000
Soltis Sand & Gravel	1	2,587	2,587
Joseph N. Sypniewski	1	262	341
Thompson Bros. Mining Co.	1	5,879	5,879
Valley Clay Mining Co.	1	7,910	7,910
Waterloo Coal Co., Inc.	1	7,086	7,086
TOTAL: 26 companies	33	1,032,183	967,282

2006 OHIO DIRECTORY OF CLAY-MINE OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY

For those mines for which a state mine number has not been assigned, a letter designation is used (example: Cn-B).

County	Name of operator	Name of mine or quarry	Township	Geological unit	Principal use	State mine number
Ashtabula	Joe Simak & Sons Trucking, Inc.	North Ridge Pit	Kingsville		construction, unspecified	Asa-18
	Joseph N. Sypniewski	Sypniewski	Trumbull		unspecified	Asa-SY
Athens	Athens Hocking Reclamation Center	Athens Hocking Reclamation Center	York	Conemaugh Group (Pennsylvanian)	construction, landfill	As-594
	Cochran Transportation Services, Inc.	Circle Hill	Dover		construction	As-595
Auglaize	Sandkuhl Clay Works, Inc.	Sandkuhl Clay Works, Inc.	Salem	Pleistocene	common clay products	Ae-7
Brown	Rumpke Waste, Inc.	Rumpke Waste, Inc.	Pleasant	Upper Ordovician	landfill	Bn-W
Carroll	Buckeye-Industrial Mining Co.	James South	Rose	Allegheny Group (Pennsylvanian)	common clay products	Cl-B4
Columbiana	Buckeye-Industrial Mining Co.	Clay	Madison		common clay products	Ca-BIM
Geauga	Soltis Sand & Gravel	Soltis Sand & Gravel	Parkman		construction	Gea-9
Jackson	Cedar Heights Clay Co.	Harrison	Madison	Lower Kittanning (Pennsylvanian)	common clay products	Jkn-CH2
	Waterloo Coal Co., Inc.	Waterloo Coal Stone Plant	Madison	Pennsylvanian	refractories	Jkn-367
Licking	Nuway Services	Hopewell	McKean	Pleistocene	landfill	Lg-NU
Lucas	Envirosafe Services of Ohio, Inc.	Johlin Property Clay Mine	Oregon	Pleistocene	construction, landfill	Ls-E
Mahoning	Thompson Bros. Mining Co.	North Lima	Beaver	Allegheny Group (Pennsylvanian)	refractories	Mg-588
Miami	Milton Materials, LLC	Milton Materials Fenner Pit	Newton		construction	Mi-4
Muskingum	Bowerston Shale Co.	Frazeysburg	Jackson	Flint Ridge & Middle Mercer (Pennsylvanian)	common clay products	Mum-776
	Valley Clay Mining Co.	Spring Pit	Newton	Tionesta (Pennsylvanian)	common clay products	Mum-904
Perry	Bearcreek Clay Co.	County Rd. 7 Mine	Monday Creek		common clay products	Py-338
	Bearcreek Clay Co.	Nelson/Common Mine	Clayton	Middle Kittanning (Pennsylvanian)	common clay products	Py-D1
Portage	Patrick Excavating, Inc.	Patrick	Charlestown		construction	Pe-P
	Sober Sand & Gravel Co.	Sober Sand & Gravel Co.	Rootstown		construction	Pe-18
Preble	Loxley Aggregates, Inc.	Loxley Aggregates, Inc.	Twin		construction	Pre-9
Stark	Buckeye-Industrial Mining Co.	Close	Pike	Lower Kittanning (Pennsylvanian)	common clay products	Sk-B
	ENZ, Inc.	Sickafoose Pit	Pike, Sandy		landfill	Sk-208
	L & M Mineral Co.	Barr Farm	Bethlehem	Brookville (Pennsylvanian)	common clay products	Sk-LM
	Oxford Mining Co., Inc.	Barr Farm	Bethlehem	Brookville (Pennsylvanian)	landfill	Sk-235
Tuscarawas	Belden Brick Co.	Belden Pit	Sugar Creek	Tionesta (Pennsylvanian)	common clay products	Ts-1646
		Moomaw Pit	Sugar Creek	Brookville & Tionesta (Pennsylvanian)	common clay products	Ts-1517
		Shanesville Pit	Sugar Creek	Brookville (Pennsylvanian)	common clay products	Ts-1939
		Wallick Pit	Franklin, Wayne	Brookville & Lower Kittanning (Pennsylvanian)	common clay products	Ts-1841
	Blue Jay Enterprises of Tusacarawas Co., Inc.	Blue Jay #1	Sandy	Brookville & Tionesta (Pennsylvanian)	common clay products	Ts-BJ
	Kimble Clay & Limestone Co.	Kimble Clay & Limestone Co.	Dover	Pennsylvanian	common clay products, landfill	Ts-1818
	L & M Mineral Co.	Luikart	Mill, Warwick	Lower Kittanning (Pennsylvanian)	stoneware	Ts-1914
		Spring	Mill, Warwick	Lower Kittanning (Pennsylvanian)	stoneware	Ts-1982
	Oxford Mining Co., Inc.	Stone Creek	Warwick	Pennsylvanian	common clay products	Ts-H7

2006 SHALE COMPANIES WITH SALES OR PRODUCTION

Company	No. of operations	Sales (tons)	Production (tons)
Artisan Moulded Brick Co.	1	31,425	31,425
Bearcreek Clay Co.	2	37,000	37,000
Belden Brick Co.	3	136,507	136,507
Blue Jay Enterprises of Tuscarawas. Co., Inc.	1	7,853	7,853
Bowerston Shale Co.	2	77,268	77,268
Craigton Shale Co.	1	325	325
D. & D. Mining Co.	1	1,444	1,444
DiGeronimo Aggregates, LLC	1	251,219	251,219
Glen-Gery Corp.	1	310,000	310,000
Kimble Clay & Limestone Co.	1	93,236	93,236
Knox County Board of Commissioners	1	6,834	6,834
L & M Mineral Co.	1	57,631	57,631
Lafarge Corp.	1	140,588	140,588
Luburgh, Inc.	1	5,000	5,000
Rumpke Waste, Inc.	1	47,583	47,583
Summitville Tiles, Inc.	1	21,550	21,550
Walhonding Sand & Gravel	1	5,521	5,521
Wooster Aggregates, LLC	1	2,000	2,000
TOTAL: 18 companies	22	1,232,984	1,232,984

2006 OHIO DIRECTORY OF SHALE-MINE OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY

For those mines for which a state mine number has not been assigned, a letter designation is used (example: Kx-K).

County	Name of operator	Name of mine	Township	Geological unit	Principal use	State mine number
Brown	Rumpke Waste, Inc.	Rumpke Waste, Inc.	Pleasant	Upper Ordovician	landfill	Bn-W
Columbiana	D. & D. Mining Co.	D. & D. Strip	Unity	Pennsylvanian	construction	Ca-888
	Summitville Tiles, Inc.	Summitcrest, Inc.	Franklin	Conemaugh Group (Pennsylvanian)	common clay products	Ca-SU
Coshocton	Walhonding Sand & Gravel	Walhonding Valley Sand & Gravel	New Castle	Cuyahoga Formation (Mississippian)	construction	Cn-WL
Cuyahoga	DiGeronimo Aggregates, LLC	DiGeronimo Aggregates, LLC	Independence	Chagrin (Devonian)	lightweight aggregate	Cya-19
Harrison	Bowerston Shale Co.	Bowerston	Monroe	Conemaugh Group (Pennsylvanian)	vitrified products	Hn-152
Knox	Knox County Board of Commissioners	Apple Valley	Brown	Logan Formation (Mississippian)	construction	Kx-K
Licking	Bowerston Shale Co.	Hanover	Hanover	Logan Formation (Mississippian)	common clay products	Lg-501
Marion	Glen-Gery Corp.	Iberia Quarry	Tully	Bedford (Mississippian)	common clay products	Mn-7
Muskingum	Luburgh, Inc.	Cameron Brothers	Pennsylvanian		construction	Mum-L2
Paulding	Lafarge Corp.	Paulding Quarry	Crane	Silica Shale (Devonian)	cement manufacture	Pg-1
Perry	Bearcreek Clay Co.	County Rd. 7 Mine	Monday Creek	Allegheny Group (Pennsylvanian)	common clay products	Py-338
	Bearcreek Clay Co.	Nelson/Common Mine	Clayton	Middle Kittanning (Pennsylvanian)	common clay products	Py-D1
Richland	Artisan Moulded Brick Co.	Artisan Moulded Brick Co.	Franklin, Weller	Cuyahoga Formation (Mississippian)	common clay products	Rd-R
Tuscarawas	Belden Brick Co.	Moomaw Pit	Sugar Creek	Brookville & Tionesta (Pennsylvanian)	common clay products	Ts-1517
	Belden Brick Co.	Belden Pit	Sugar Creek	Tionesta (Pennsylvanian)	common clay products	Ts-1646
	Kimble Clay & Limestone Co.	Kimble Clay & Limestone Co.	Dover	Pennsylvanian	landfill	Ts-1818
	L & M Mineral Co.	Heil	Rush	Pennsylvanian	common clay products	Ts-1884
	Belden Brick Co.	Shanesville Pit	Sugar Creek	Brookville (Pennsylvanian)	common clay products	Ts-1939
	Blue Jay Enterprises of. Tuscarawas Co., Inc.	Blue Jay #1	Sandy	Brookville & Tionesta (Pennsylvanian)	common clay products	Ts-BJ
Wayne	Wooster Aggregates, LLC	Wooster Aggregates, LLC	Franklin	Mississippian	construction	We-11
	Craigton Shale Co.	Craigton Shale Co.	Clinton	Mississippian	unspecified	We-25

2006 OHIO DIRECTORY OF SALT-MINE AND SALT-BRINING PLANT OPERATORS REPORTING SALES OR PRODUCTION, BY COUNTY

County	Name of operator	Name of mine	Township	Geological unit and product	State mine number
Cuyahoga	Cargill, Inc.	Cargill Salt, Inc.	City of Cleveland	Salina (Silurian)—rock salt	Cya-30
Lake	Morton International, Inc.	Fairport Mine	Painesville	Salina (Silurian)—rock salt	Lke-6
Licking	R. H. Penick Co., Ltd.	R. H. Penick Co., Ltd.	Newark	"Newburg" (Silurian)—natural brine	Lg-45
Summit	Cargill, Inc.	Cargill, Inc.	Coventry	Salina (Silurian)—artificial brine	St-9127
Wayne	Morton International, Inc.	Morton Salt Well Field	Milton	Salina (Silurian)—artificial brine	We-9129