

Potash, Soda, and Borate Mineral Mining: 2002

Issued September 2004

EC02-211-212391

2002 Economic Census

Mining

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and 1997

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year	Companies ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212391, Potash, soda, and borate mineral mining 2002.. 1997..	20 18	24 27	3 444 4 805	166 745 237 391	2 626 3 849	5 407 8 044	123 183 177 739	864 242 1 295 896	374 764 557 588	1 120 044 1 702 985	121 928 150 499

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States and Offshore Areas: 2002**

[Not applicable to this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
212391, Potash, soda, and borate mineral mining	
Companies ¹	20
All establishments ²	24
Establishments with 0 to 19 employees	5
Establishments with 20 to 99 employees	8
Establishments with 100 employees or more	11
All employees for pay period including March 12	3 444
Total compensation	224 073
Annual payroll	166 745
Annual fringe benefits not included in payroll	57 328
Production, development, and exploration workers for pay period including March 12	2 626
Production, development, and exploration worker annual hours	5 407
Production, development, and exploration worker annual wages	123 183
Total cost of supplies	374 764
Supplies used, minerals received, and purchased machinery installed	183 319
Resales	3 224
Purchased fuels consumed	111 428
Purchased electricity	29 682
Contract work	47 111
Quantity of electricity purchased	677 693
Quantity of electricity generated less sold	469 698
Total other expenses	72 776
Response coverage ratio ³	52
Communications services	1 469
Legal services	925
Accounting, auditing, and bookkeeping services	D
Advertising and promotional services	D
All other expenses (not included above)	69 538
Total value of shipments and receipts for services	1 120 044
Primary products value of shipments	D
Secondary products value of shipments and receipts for services	D
Value of resales	3 425
Value of primary products shipments or services produced in all industries	1 111 588
Value of primary products shipments or services produced in this industry	D
Value of primary products shipments or services produced in other industries	D
Value added	864 242
Total inventories, end of 2001	61 386
Mineral products, crude petroleum, and natural gas liquids inventories	38 325
Supplies, parts, fuels, etc., inventories	23 061
Total inventories, end of 2002	67 728
Mineral products, crude petroleum, and natural gas liquids inventories	41 371
Supplies, parts, fuels, etc., inventories	26 357
Gross book value of depreciable/depletable assets at beginning of year	2 054 744
Capital expenditures (except land and mineral rights)	121 928
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	91 112
Capital expenditures for mineral exploration and development	30 816
Capital expenditures for mineral land and rights	D
Deductions from depreciable/depletable assets during year	D
Gross book value of depreciable/depletable assets at end of year	2 157 297
Total depreciation/depletion charges during year	88 034
Total rental payments during year	11 709
Buildings and other structures	1 187
Machinery and equipment	10 522
Lease rents	409
Expensed mineral exploration, development, land, and rights	62 507

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212391, Potash, soda, and borate mineral mining											
All establishments	1	24	3 444	166 745	2 626	5 407	123 183	864 242	374 764	1 120 044	121 928
Establishments with—											
0 to 4 employees	9	4	9	273	7	12	199	1 449	313	1 059	53
5 to 9 employees	—	—	—	—	—	—	—	—	—	—	—
10 to 19 employees	—	1	a	D	D	D	D	D	D	D	D
20 to 49 employees	1	6	c	D	D	D	D	D	D	D	D
50 to 99 employees	—	2	c	D	D	D	D	D	D	D	D
100 to 249 employees	1	5	770	47 458	598	1 255	37 349	247 297	81 050	286 808	45 484
250 to 499 employees	3	5	1 517	60 375	1 158	2 414	46 281	261 779	159 739	403 796	23 434
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ³	9	1	a	D	D	D	D	D	D	D	D

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Type of Operation: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and type of operation	All establishments ¹		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total value of shipments and receipts for services (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)		
212391, Potash, soda, and borate mineral mining									
All establishments	24	19	3 444	166 745	2 626	5 407	123 183	864 242	1 120 044
Producing establishments	24	19	3 444	166 745	2 626	5 407	123 183	864 242	1 120 044
Mines or wells only	1	1	b	D	D	D	D	D	D
Underground mines	1	1	b	D	D	D	D	D	D
Open-pit mines	-	-	-	-	-	-	-	-	-
Combination mines, well operations, or other types of mines	-	-	-	-	-	-	-	-	-
Mines with preparation plants	22	17	h	D	D	D	D	D	D
Underground mines	14	10	2 086	94 783	1 604	3 341	74 793	394 399	555 918
Open-pit mines	1	1	f	D	D	D	D	D	D
Combination mines or other types of mines	7	6	495	25 652	368	761	17 782	188 041	232 405
Separately operated preparation plants	1	1	b	D	D	D	D	D	D
Undistributed ²	-	-	-	-	-	-	-	-	-
Nonproducing establishments	-	-	-	-	-	-	-	-	-

¹Includes establishments with payroll at any time during the year.

²Includes data for establishments that were not possible to classify based on information available.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products or Services Statistics: 2002 and 1997

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product or service code	Product or service	Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)
212391	Potash, soda, and borate mineral mining	2002.. X 1997.. X	X X	1 111 588 1 689 575
2123911	Potassium salts and boron compounds	2002.. X 1997.. X	X X	550 977 725 032
21239111	Potassium salts and boron compounds	2002.. X 1997.. X	X X	550 977 725 032
2123911100	Potassium salts and boron compounds 1,000 metric tons	2002.. 2 502.4 1997.. 4 424.6	S 4 320.4	550 977 725 032
2123913	Sodium carbonate and sulfate	2002.. X 1997.. X	X X	552 978 964 543
21239131	Sodium carbonate and sulfate	2002.. X 1997.. X	X X	552 978 964 543
2123913111	Sodium carbonate (natural) 1,000 metric tons	2002.. X 1997.. X	D D	D D
2123913121	Sodium sulfate (natural) 1,000 metric tons	2002.. X 1997.. X	D D	D D
212391W	Potash, soda, and borate mineral mining, nsk	2002.. X 1997.. X	X X	7 633 -
212391WY	Potash, soda, and borate mineral mining, nsk	2002.. X 1997.. X	X X	7 633 -
212391WYWT	Potash, soda, and borate mineral mining, nsk	2002.. X 1997.. X	X X	7 633 -

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997**

[Not applicable to this report]

Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Supply or fuel code	Supply or fuel consumed	Quantity	Delivered cost (\$1,000)
212391	Potash, soda, and borate mineral mining		
	Supplies consumed by type		
21239003	Crude minerals, received for preparation mil metric tons (dry basis) 2002..	D	D
	1997..	D	D
21239005	Crude minerals, mined and prepared at same establishment mil metric tons (dry basis) 2002..	3.7	X
	1997..	35.6	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation 2002..	X	36 018
	1997..	X	69 009
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment 2002..	X	36 384
	1997..	X	67 167
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) excluding explosive materials and blasting accessories 2002..	X	22 690
	1997..	X	93 749
32592001	Explosive materials (including ammonium nitrate) and blasting accessories 2002..	X	D
	1997..	X	2 765
33120059	Steel shapes and forms (excluding castings and forgings) 2002..	X	D
	1997..	X	4 543
00970098	All other supplies 2002..	X	54 458
	1997..	X	45 168
00973000	Undistributed minerals, purchased machinery, parts, attachments, and supplies used 2002..	X	25 177
	1997..	X	D
	Fuels consumed by type		
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons 2002..	D	D
	1997..	1 712.2	43 827
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 bbl 2002..	D	D
	1997..	D	D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft 2002..	S	77 333
	1997..	25.2	51 901
32411015	Gasoline used as a fuel mil gal 2002..	D	D
	1997..	.3	322
00974000	Undistributed fuels 2002..	X	12 564
	1997..	X	D

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.