



2005 Minerals Yearbook

OREGON

THE MINERAL INDUSTRY OF OREGON

In 2005, Oregon's nonfuel raw mineral production was valued¹ at \$432 million, based upon annual U.S. Geological Survey (USGS) data. This was an increase of \$65 million, up 17.7% from the State's total nonfuel mineral value of \$367 million in 2004, which followed a \$47 million or 14.7% increase from 2003 to 2004. The State remained 35th in rank among the 50 States in total nonfuel mineral production value and accounted for nearly 1% of the U.S. total value.

Industrial minerals accounted for all of Oregon's nonfuel raw mineral and material production, most of which showed increases in value in 2005. Construction sand and gravel and crushed stone, by value, remained the State's two leading nonfuel mineral commodities, followed by portland cement, diatomite, and lime (descending order of value). The former two accounted for more than 70% of Oregon's total nonfuel mineral value, while the combined total of these five accounted for more

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 2005 USGS mineral production data published in this chapter are those available as of December 2006. All USGS Mineral Industry Surveys and USGS Minerals Yearbook chapters—mineral commodity, State, and country—can be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>.

than 97% of the State's total nonfuel raw mineral economy. Increases in the values of construction sand and gravel, crushed stone, and portland cement led the State's rise in value from that of 2004. With a 14.5% increase in crushed stone production, the commodity's total value rose by \$31 million, up nearly 25%. Increases in construction sand and gravel also were significant; a 5% increase in production led to a \$21 million, or 17% increase in its total value. Not far behind were increases in the production and total value of portland cement (data withheld—company proprietary data). A smaller yet significant increase also took place in the production and value of diatomite. The only decreases in value were small relative to the increases that took place in pumice and pumicite, lime, and gemstones (descending order of change).

In 2005, Oregon continued to be second in the quantity of crude perlite produced as compared with other producing States, and third in diatomite and gemstones (gemstones based upon value). The State decreased in rank to a near-first, second in rank in the production of pumice and pumicite and remained a significant producer of crushed stone and construction sand and gravel (descending order of order of change).

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TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN OREGON^{1, 2}

(Thousand metric tons and thousand dollars unless otherwise specified)

Mineral	2003		2004		2005	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays, bentonite	W	W	10	W	9	W
Gemstones	NA	1,200	NA	1,210	NA	1,180
Sand and gravel, construction	18,500	110,000	21,000	125,000	22,000	146,000
Stone, crushed	21,800	117,000	22,700 ^r	126,000	26,000	157,000
Zeolites metric tons	W	NA	--	--	--	--
Combine value of cement (portland), clays (common), diatomite, lime, perlite (crude), pumice and pumicite, talc (crude), and values indicated by symbol W	XX	92,700	XX	114,000	XX	128,000
Total	XX	320,000	XX	367,000	XX	432,000

^rRevised. NA Not available. W Withheld to avoid disclosing company proprietary data. Withheld values included in "Combined values" data.

XX Not applicable. -- Zero.

¹Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

²Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 2
OREGON: CRUSHED STONE SOLD OR USED, BY KIND¹

Kind	2004			2005		
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Number of quarries	Quantity (thousand metric tons)	Value (thousands)
Limestone	2	W	W	1	W	W
Granite	1	W	W	1	W	W
Traprock	144 ^r	19,000 ^r	\$106,000 ^r	118	22,500	136,000
Volcanic cinder and scoria	5 ^r	68	353	3	47	261
Miscellaneous stone	11	2,420	11,900	13	2,180	12,700
Total	XX	22,700 ^r	126,000	XX	26,000	157,000

^rRevised. W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 3
OREGON: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2005, BY USE¹

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch):		
Macadam	W	W
Riprap and jetty stone	41	373
Filter stone	60	473
Other coarse aggregates	459	2,450
Total	560	3,300
Coarse aggregate, graded:		
Concrete aggregate, coarse	47	373
Bituminous aggregate, coarse	405	2,430
Bituminous surface-treatment aggregate	9	76
Railroad ballast	195	1,380
Other graded coarse aggregates	20	203
Total	676	4,470
Fine aggregate (-¾ inch):		
Stone sand, concrete	(2)	(2)
Stone sand, bituminous mix or seal	(2)	(2)
Screening, undesignated	(2)	(2)
Other fine aggregates	38	383
Total	114	959
Coarse and fine aggregates:		
Graded road base or subbase	3,810	25,200
Unpaved road surfacing	810	4,220
Terrazzo and exposed aggregate	(2)	(2)
Crusher run or fill or waste	723	4,175
Roofing granules	(2)	(2)
Other coarse and fine aggregates	1,240	7,420
Total	6,610	41,200
Other construction materials	6	10
Chemical and metallurgical, cement manufacture	(3)	(3)
Other miscellaneous uses, sugar refining	(3)	(3)
Unspecified: ⁴		
Reported	8,500	50,500
Estimated	8,300	49,000
Total	16,800	99,400
Grand total	26,000	157,000

W Withheld to avoid disclosing company proprietary data; included with "Other coarse aggregates."

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Withheld to avoid disclosing company proprietary; included in "Total."

³Withheld to avoid disclosing company proprietary; included in "Grand total."

⁴Reported and estimated production without a breakdown by end use.

TABLE 4
 OREGON: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2005, BY USE AND DISTRICT¹

(Thousand metric tons and thousand dollars)

Use	District 1		District 2		District 3	
	Quantity	Value	Quantity	Value	Quantity	Value
Construction:						
Coarse aggregate (+1½ inch) ²	W	W	W	W	W	W
Coarse aggregate, graded ³	W	W	W	W	W	W
Fine aggregate (-¾ inch) ⁴	W	W	--	--	W	W
Coarse and fine aggregates ⁵	4,230	28,200	W	W	W	W
Other construction materials	--	--	6	10	--	--
Chemical and metallurgical ⁶	--	--	--	--	--	--
Other miscellaneous uses ⁷	--	--	--	--	--	--
Unspecified:⁸						
Reported	4,530	27,200	1,150	6,910	1,170	6,960
Estimated	4,600	27,000	1,600	9,700	1,900	12,000
Total	14,100	86,700	3,980	24,300	3,560	21,700
			District 4		Unspecified districts	
			Quantity	Value	Quantity	Value
Construction:						
Coarse aggregate (+1½ inch) ²	W	W	--	--		
Coarse aggregate, graded ³	W	W	--	--		
Fine aggregate (-¾ inch) ⁴	W	W	--	--		
Coarse and fine aggregates ⁵	W	W	611	2,470		
Other construction materials	--	--	--	--		
Chemical and metallurgical ⁶	W	W	--	--		
Other miscellaneous uses ⁷	W	W	--	--		
Unspecified:⁸						
Reported	4	19	1,660	9,380		
Estimated	129	599	--	--		
Total	2,140	12,000	2,270	11,800		

W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes filter stone, macadam, riprap and jetty stone, and other coarse aggregates.

³Includes bituminous aggregate (coarse), bituminous surface-treatment aggregate, concrete aggregate (coarse), railroad ballast, and other graded coarse aggregates.

⁴Includes screening (undesignated), stone sand (bituminous mix or seal), stone sand (concrete), and other fine aggregates.

⁵Includes crusher run or fill or waste, graded road base or subbase, roofing granules, terrazzo and exposed aggregate, unpaved road surfacing, and other coarse and fine aggregates.

⁶Includes cement manufacture.

⁷Includes sugar refining.

⁸Reported and estimated production without a breakdown by end use.

TABLE 5
 OREGON: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2005,
 BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate (including concrete sand)	4,420	\$32,400	\$7.33
Plaster and gunite sands	16	231	14.44
Concrete products (blocks, bricks, pipe, decorative, etc.) ²	25	216	8.64
Asphaltic concrete aggregates and other bituminous mixtures	2,010	15,400	7.67
Road base and coverings	4,350	27,200	6.24
Fill	392	1,580	4.02
Snow and ice control	17	154	9.06
Other miscellaneous uses ³	622	3,710	5.97
Unspecified: ⁴			
Reported	6,900	44,400	6.43
Estimated	3,240	20,600	6.34
Total or average	22,000	146,000	6.63

¹Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

²Includes plaster and gunite sands.

³Includes snow and ice control.

⁴Reported and estimated production without a breakdown by end use.

TABLE 6
 OREGON: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2005,
 BY USE AND DISTRICT¹

(Thousand metric tons and thousand dollars)

Use	District 1		Districts 2 & 3		District 4	
	Quantity	Value	Quantity	Value	Quantity	Value
Concrete aggregates (including concrete sand) ²	2,670	17,200	1,650	14,100	118	1,280
Concrete products (blocks, bricks, pipe, decorative, etc.)	25	216	--	--	--	--
Asphaltic concrete aggregates and other bituminous mixtures	922	6,290	W	W	W	W
Road base and coverings	3,240	21,400	873	4,370	204	1,230
Fill	93	369	286	1,180	13	33
Other miscellaneous uses ³	513	3,250	1,100	9,040	84	527
Unspecified: ⁴						
Reported	6,300	41,300	89	671	342	1,850
Estimated	1,400	8,860	1,440	9,150	402	2,550
Total	15,200	98,800	5,440	38,500	1,160	7,470
	Unspecified districts					
	Quantity	Value				
Concrete aggregates (including concrete sand) ²	--	--				
Concrete products (blocks, bricks, pipe, decorative, etc.)						
Asphaltic concrete aggregates and other bituminous mixtures	24	133				
Road base and coverings	37	195				
Fill	--	--				
Other miscellaneous uses ³	--	--				
Unspecified: ⁴						
Reported	167	607				
Estimated	--	--				
Total	228	934				

W Withheld to avoid disclosing company proprietary data; included in "Other miscellaneous uses." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Districts 2 and 3 are combined to avoid disclosing company proprietary data.

³Includes plaster and gunite sands.

⁴Includes snow and ice control.

⁴Reported and estimated production without a breakdown by end use.