# SAND AND GRAVEL (INDUSTRIAL) STATISTICS<sup>1</sup> U.S. GEOLOGICAL SURVEY [All values in metric tons (t) sand and gravel unless otherwise noted] Last modification: October 31, 2007

Last modification: October 31, 2007									
		<b>-</b> ,		Apparent	Unit value	Unit value	World		
Year	Production	Imports	Exports	consumption	( <b>\$/t</b> )	( <b>98</b> \$/t)	production		
1902	1,220,000			1,220,000	0.90	17.00			
1903	1,170,000			1,170,000	1.07	19.00			
1904	4,410,000			4,410,000	0.74	13.00			
1905	4,670,000			4,670,000	0.81	15.00			
1906	5,430,000			5,430,000	0.73	13.00			
1907	5,890,000			5,890,000	0.77	13.00			
1908	3,730,000			3,730,000	0.80	15.00			
1909	5,020,000			5,020,000	0.78	14.00			
1910	6,030,000			6,030,000	0.78	14.00			
1911	6,950,000			6,950,000	0.71	12.00			
1912	8,190,000			8,190,000	0.68	11.00			
1913	7,120,000			7,120,000	0.76	12.60			
1914	6,380,000			6,380,000	0.71	11.60			
1915	7,740,000			7,740,000	0.63	10.10			
1916	9,010,000			9,010,000	0.78	11.70			
1917	8,940,000			8,940,000	1.09	13.90			
1918	9,110,000			9,110,000	1.40	15.10			
1919	7,700,000			7,700,000	1.40	13.10			
1920	9,680,000			9,680,000	1.71	13.90			
1921	5,180,000			5,180,000	1.50	13.70			
1921	7,970,000	1,170	162,000	7,810,000	1.36	13.20			
1922	10,400,000	2,090	250,000	10,200,000	1.50	13.20			
1923	9,680,000	5,880	142,000	9,540,000	1.36	13.00			
1924	10,800,000	3,800	193,000	10,600,000	1.30	11.90			
1925	11,200,000	8,000	192,000	11,000,000	1.23	11.30			
1920	10,100,000	9,680	192,000	9,940,000	1.20	11.30			
1927	10,100,000	39,100	334,000	10,100,000	1.20	11.20			
1928	11,700,000	<u> </u>	221,000	11,500,000	1.22	11.70			
1929	7,630,000	22,400	147,000	7,510,000	1.24	11.80			
		,	98,800		1.31	12.80			
1931	5,600,000	31,800	/	5,530,000					
1932	3,720,000	24,100	43,600	3,700,000	1.28	15.20			
1933	4,740,000	23,800	37,400	4,730,000	1.30	16.30			
1934	5,480,000	22,200	15,200	5,490,000	1.39	16.90			
1935	6,840,000	40,200	17,000	6,860,000	1.33	15.80			
1936	8,500,000	48,000	22,600	8,530,000	1.27	14.90			
1937	9,960,000	46,300	30,500	9,980,000	1.30	14.80			
1938	5,910,000	30,700	16,100	5,920,000	1.37	15.80			
1939	7,870,000	21,500	12,600	7,880,000	1.33	15.60			
1940	9,660,000	3,930		9,660,000	1.31	15.20			
1941	13,000,000	0		13,000,000	1.38	15.30			
1942	14,300,000	0		14,300,000	1.49	14.90			
1943	15,600,000	16.0		15,600,000	1.52	14.30			
1944	16,000,000	14.0		16,000,000	1.51	14.00			
1945	14,200,000	0		14,200,000	1.52	13.80			
1946	14,500,000	4,540		14,500,000	1.59	13.30			
1947	16,300,000	7,080		16,300,000	1.72	12.50			
1948	15,300,000	15,300		15,300,000	1.90	12.90			
1949	12,600,000	10,400		12,600,000	2.03	13.90			
1950	15,600,000	8,340		15,600,000	2.06	13.90			
1951	17,200,000	5,680		17,200,000	2.21	13.80			
1952	15,700,000	3,640		15,700,000	2.32	14.30			
1953	16,500,000	5,160		16,500,000	2.44	14.90			

# SAND AND GRAVEL (INDUSTRIAL) STATISTICS<sup>1</sup> U.S. GEOLOGICAL SURVEY [All values in metric tons (t) sand and gravel unless otherwise noted] Last modification: October 31, 2007

Year Production Imports Exports consumption (\$%1) (98%1) production   1955 18,000,000 134 18,000,000 2.84 17.20   1956 18,000,000 134 19,000,000 2.91 17.40   1957 17,400,000 5.910 14,100,000 3.26 18.40   1959 16,600,000 9.2.0 16,660,000 3.49 19.50   1960 16,600,000 9.7.70 16,600,000 3.55 19.60   1961 16,400,000 2.8.500 18,300,000 3.82 20.60   1962 18,200,000 3.66 19.7.0 15.50   1964 21,100,000 3.6,60 21,200,000 3.63 18.30   1965 23,000,000 16,300 23,000,000 3.74 18.20   1967 23,000,000 3.61,01 10.1 10.1   1970 26,400,000 4.13 19.40 11.7.20   1972 28,400,000 43,50	Last modification: October 31, 2007								
1954 15.100.000 9.370 15.100.000 2.84 17.20   1955 18.000.000 1.54 18.000.000 2.71 16.70   1956 19.200.000 4.34 19.200.000 2.91 17.40   1957 17.400.000 5.20 17.400.000 3.26 18.40   1958 14.100.000 3.22 18.40 19.50   1960 16.600.000 9.70 16.600.000 3.49 19.50   1961 16.400.000 2.00 16.400.000 3.60 19.70   1962 18.200.000 2.800 18.300.000 3.62 18.30   1964 21.100.000 3.600 21.200.000 3.62 18.20   1964 23.000.000 16.300 23.000.000 3.62 18.20   1967 23.000.000 3.630 78.000 4.13 18.40   1970 23.000.000 3.630 78.0000 4.13 18.40   1971 23.700.000 53.500 78.0000<				-	Apparent	Unit value	Unit value	World	
1955 18,000,000 154 18,000,000 2.74 16.70   1956 19,200,000 4.34 19,200,000 2.91 17.40   1957 17,400,000 6.20 17,400,000 3.06 17.70   1958 16,600,000 9.20 16,600,000 3.25 18.40   1959 16,600,000 9.70 16,600,000 3.55 19.60   1961 16,400,000 2.00 16,400,000 3.62 19.70   1962 18,200,000 3.60 19.50 19.50   1964 21,100,000 26,600 23,200,000 3.54 18.80   1965 23,000,000 39,900 23,000,000 3.74 18.20   1966 24,500,000 22,700 24,500,000 3.77 15.20   1972 26,300,000 39,000 23,000,000 3.77 15.20   1972 26,300,000 43,500 767,000 25,600,000 4.13 18.40   1972 26,300,000 <t< th=""><th></th><th></th><th>-</th><th>Exports</th><th>-</th><th></th><th></th><th>production</th></t<>			-	Exports	-			production	
1956 19,200,000 4,34 19,200,000 2,91 17,40   1957 17,400,000 6,20 17,740,000 3,06 17,70   1958 14,100,000 3,20 18,40 19,50   1960 16,600,000 9,20 16,600,000 3,49 19,50   1960 16,600,000 2,00 16,600,000 3,55 19,60   1961 16,400,000 2,00 16,600,000 3,60 19,70   1963 19,100,000 2,060 19,200,000 3,62 18,20   1964 21,100,000 3,6600 21,200,000 3,54 18,80   1966 23,000,000 3,600 23,000,000 3,74 18,20   1967 24,500,000 24,500,000 4,13 18,40   1970 25,000,000 3,800 78,000 3,33 16,10   1971 25,700,000 25,600,000 4,12 16,10 17,70   1972 26,800,000 4,3500 78,0000 52,		, ,							
1957 17,400,000 620 17,400,000 3.06 17,70   1958 16,600,000 5,910 14,100,000 3.26 18.40   1959 16,600,000 9.70 16,600,000 3.49 19.50   1961 16,400,000 2.00 16,600,000 3.60 19.70   1962 18,200,000 28,500 18,300,000 3.62 19.60   1963 19,100,000 20,600 19,200,000 3.58 18.80   1965 23,000,000 9,820 23,000,000 3.54 18.20   1966 23,000,000 39,900 23,000,000 3.74 18.20   1970 26,400,000 41.3 19.40 19.70 15.20   1971 23,700,000 43,500 798,000 23,000,000 3.77 15.20   1971 24,600,000 44,500 951,000 25,600,000 4.12 16.10   1973 26,300,000 43,500 76,000 5.600,000 4.17.70									
1958 14,100,000 5,910 14,100,000 3.26 18.40   1959 16,600,000 92.0 16,600,000 3.49 19.50   1960 16,600,000 92.0 16,600,000 3.49 19.60   1961 16,400,000 2.00 16,400,000 3.60 19.70   1962 18,200,000 28,500 18,300,000 3.62 19.50   1964 21,100,000 36,600 21,200,000 3.54 18.30   1965 23,000,000 9.820 23,000,000 3.54 18.30   1966 23,000,000 39.900 23,000,000 3.62 18.20   1978 24,500,000 43.500 798,000 3.30 16.10   1971 23,700,000 43.500 798,000 25,000,000 4.13 18.40   1972 26,400,000 44,500 951,000 25,600,000 4.12 16.10   1973 26,300,000 44,500 951,000 25,600,000 18.20									
1959 16,600,000 92.0 16,600,000 3.49 19.50   1960 16,600,000 9.770 16,600,000 3.55 19.60   1961 16,400,000 2.00 16,400,000 3.60 19.70   1962 18,200,000 28,500 18,300,000 3.67 19.50   1963 19,100,000 26,600 21,200,000 3.67 19.50   1964 21,100,000 3.660 21,200,000 3.58 18.80   1965 23,000,000 9.820 23,000,000 3.62 18.20   1966 23,900,000 3.900 24,500,000 4.13 19.40   1969 26,300,000 43.500 76,000 23,000,000 4.13 19.40   1971 24,800,000 43,500 76,000 25,600,000 4.12 16,10   1972 26,800,000 43,500 76,000 25,600,000 4.04 14.80   1974 24,600,000 0 1,020,000 25,600,000 6.17									
1960 16,600,000 9,770 16,600,000 3.55 19,60   1961 16,400,000 2.00 16,400,000 3.60 19,70   1962 18,200,000 28,500 18,300,000 3.82 20,60   1963 19,100,000 36,600 21,200,000 3.67 19,50   1964 21,000,000 3.600 23,900,000 3.54 18.30   1965 23,000,000 3.900 23,000,000 3.62 18.20   1968 24,500,000 27,00 24,500,000 4.13 19.40   1968 24,500,000 3.50 798,000 25,600,000 4.13 18.40   1971 23,700,000 43,500 795,000 25,600,000 4.12 16.10   1972 26,300,000 44,500 951,000 25,400,000 6.16.80   1974 26,400,000 0 1,20,000 24,900,000 6.17 17.70   1973 28,400,000 0 1,23,000 22,800,000 18.20<					14,100,000				
1961 16,400,000 2.00 16,400,000 3.60 19.70   1962 18,200,000 28,500 18,300,000 3.82 20.60   1963 19,100,000 20,600 19,200,000 3.67 19.50   1964 21,100,000 3,660 21,200,000 3.58 18.80   1965 23,900,000 16,300 23,900,000 3.62 18.20   1966 23,900,000 3,900 23,000,000 3.74 18.20   1967 23,300,000 39,900 26,600,000 4.13 19.40   1970 26,400,000 58,100 26,500,000 4.13 18.40   1971 23,700,000 43,500 798,000 23,000,000 4.12 16.10   1972 26,800,000 44,500 951,000 25,600,000 4.12 16.10   1973 24,800,000 1,020,000 25,800,000 6.17 17.70   1974 26,400,000 1,230,000 26,200,000 8.66 21.70	1959	, ,	92.0		16,600,000	3.49			
1962 18,200,000 28,500 18,300,000 3.82 20.60   1964 11,100,000 36,600 19,200,000 3.58 18.80   1964 21,100,000 36,600 21,200,000 3.54 18.30   1965 23,000,000 9,820 23,000,000 3.54 18.30   1967 23,000,000 39,900 23,000,000 3.74 18.20   1967 23,000,000 39,900 24,500,000 4.13 19.40   1969 24,500,000 27,700 24,500,000 4.13 18.40   1970 26,400,000 58,100 26,500,000 3.77 15.20   1971 23,700,000 44,500 951,000 25,900,000 4.12 16.10   1973 26,300,000 44,500 951,000 25,400,000 5.08 16.80   1975 24,800,000 0 1,020,000 25,400,000 8.77 19.70   1976 27,100,000 52,600,000 18.70 17.70 19	1960	, ,			16,600,000				
1963 19,100,000 20,600 19,200,000 3.67 19,50   1964 21,100,000 36,600 21,200,000 3.58 18.80   1965 23,000,000 3,640 23,900,000 3.54 18.30   1966 23,900,000 39,900 23,000,000 3.74 18.20   1978 24,500,000 24,500,000 4.13 19.40 19.40   1979 26,400,000 58,100 26,500,000 3.83 16.10   1971 23,700,000 43,500 798,000 23,000,000 4.12 16.10   1972 26,800,000 44,500 951,000 25,600,000 4.04 14.80   1973 26,300,000 40,700 1,970,000 25,800,000 6.00 18.20   1975 27,100,000 2,300,000 2,300,000 6.17 17.70   1977 28,400,000 0 2,300,000 2,200,000 8.77 19.70   1978 29,800,000 41,700 2,570,000 <t< td=""><td>1961</td><td>16,400,000</td><td>2.00</td><td></td><td>16,400,000</td><td>3.60</td><td>19.70</td><td></td></t<>	1961	16,400,000	2.00		16,400,000	3.60	19.70		
1964 21,100,000 36,600 21,200,000 3.58 18.80   1965 23,000,000 9,820 23,000,000 3.54 18.30   1966 23,000,000 39,900 23,000,000 3.74 18.20   1967 23,000,000 22,700 24,500,000 4.13 19.40   1970 26,400,000 41.31 18.40 11.14 11.14   1970 26,400,000 43,500 798,000 25,500,000 3.83 16.10   1971 26,300,000 44,500 951,000 25,600,000 4.12 16.10   1972 26,800,000 43,500 767,000 25,600,000 4.04 14.80   1974 24,400,000 0 1,20,000 25,400,000 6.00 18.20   1975 24,800,000 41,700 2,300,000 24,900,000 6.17 17.70   1977 28,400,000 64,400 1,080,000 25,200,000 18.20 1979   1977 24,800,000 3,6	1962	18,200,000	28,500		18,300,000	3.82	20.60		
1965 23,000,000 9,820 23,000,000 3,54 18.30   1966 23,900,000 16,300 23,900,000 3,62 18.20   1967 23,000,000 39,900 23,000,000 3,74 18.20   1968 24,500,000 22,700 24,500,000 4,13 19,40   1970 26,400,000 58,100 26,600,000 3,83 16,10   1971 23,700,000 43,500 788,000 23,000,000 4,12 16,10   1972 26,800,000 44,500 951,000 25,900,000 5.08 16,80   1974 26,400,000 0 1,020,000 25,400,000 6,00 18,20   1975 24,800,000 40,700 1,970,000 22,800,000 6,17 17.70   1977 28,400,000 6,330,000 26,200,000 8,29 20,70   1978 29,800,000 41,700 2,570,000 27,300,000 8,29 20,70   1978 29,800,000 3,630	1963	19,100,000	20,600		19,200,000	3.67	19.50		
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1967 23,000,000 39,900 23,000,000 3,74 18,20   1968 24,500,000 22,700 24,500,000 4,13 19,40   1970 26,400,000 58,100 26,500,000 3,83 16,10   1971 23,700,000 43,500 798,000 23,000,000 4,13 18,40   1971 26,800,000 44,500 951,000 25,900,000 4,12 16,10   1973 26,300,000 43,500 767,000 25,600,000 4,04 14,80   1974 26,400,000 0 1,020,000 25,400,000 6,01 18,20   1975 27,100,000 55,000 2,300,000 24,900,000 6,01 18,20   1976 27,100,000 55,000 2,300,000 8,06 21,70 197   1977 28,400,000 41,700 2,570,000 27,300,000 8,29 20,70   1978 29,800,000 35,400 1,070,000 25,800,000 12,40 20,90 <t< td=""><td>1965</td><td>23,000,000</td><td>9,820</td><td></td><td>23,000,000</td><td>3.54</td><td>18.30</td><td></td></t<>	1965	23,000,000	9,820		23,000,000	3.54	18.30		
1968 24,500,000 22,700 24,500,000 4.13 19.40   1969 26,300,000 39,000 26,400,000 4.13 18.40   1970 26,400,000 58,100 26,500,000 3.83 16.10   1971 23,700,000 43,500 798,000 25,900,000 4.12 16.10   1972 26,800,000 44,500 951,000 25,900,000 4.04 14.80   1973 26,400,000 0 1,020,000 25,400,000 5.08 16.80   1974 26,400,000 0 1,070,000 25,400,000 6.00 18.20   1975 24,800,000 40,700 1,970,000 22,800,000 6.17 17.70   1976 27,100,000 5,500 2,300,000 27,300,000 8.29 20.70   1978 29,800,000 41,700 2,570,000 27,300,000 8.77 19.70   1980 27,900,000 35,400 1,070,000 25,800,000 13.70 21.60	1966	23,900,000	16,300		23,900,000	3.62	18.20		
1968 24,500,000 22,700 24,500,000 4.13 19.40   1969 26,300,000 39,000 26,600,000 4.13 18.40   1970 26,400,000 58,100 26,500,000 3.83 16.10   1971 23,700,000 43,500 798,000 25,900,000 4.12 16.10   1972 26,800,000 44,500 951,000 25,900,000 4.04 14.80   1974 26,400,000 0 1,020,000 25,400,000 5.08 16.80   1975 24,800,000 40,700 1,970,000 22,800,000 6.00 18.20   1976 27,100,000 5,500 2,300,000 24,900,000 8.06 21.70   1977 28,400,000 64,400 1,080,000 27,300,000 8.77 19.70   1978 29,800,000 35,400 1,070,000 25,800,000 13.70 21.70   1981 27,200,000 35,400 1,070,000 25,800,000 13.70 21.70	1967	23,000,000	39,900		23,000,000	3.74	18.20		
1969 26,300,000 39,000 26,400,000 4.13 18,40   1970 26,400,000 58,100 26,500,000 3.83 16,10   1971 23,700,000 43,500 798,000 23,000,000 4.12 16,10   1972 26,800,000 44,500 951,000 25,600,000 4.04 14.80   1974 26,400,000 0 1,020,000 25,400,000 6.00 18.20   1975 24,800,000 40,700 1,970,000 22,800,000 6.17 17.70   1976 27,100,000 55,000 2,300,000 24,900,000 8.20 170   1977 28,400,000 0 2,330,000 26,200,000 8.29 20.70   1980 26,900,000 35,400 1,070,000 25,800,000 10.20 20.10   1981 27,200,000 3,630 1,030,000 26,200,000 13.70 21.50   1982 24,700,000 52,600 950,000 23,300,000 13.40 22.70	1968		22,700			4.13	19.40		
1970 26,400,000 58,100 26,500,000 3.83 16.10   1971 23,700,000 43,500 798,000 23,000,000 4.72 16.10   1972 26,800,000 44,500 951,000 25,900,000 4.12 16.10   1973 26,300,000 43,500 767,000 25,600,000 4.04 14.80   1974 26,400,000 0 1,020,000 25,600,000 6.00 18.20   1975 24,800,000 0 2,330,000 26,200,000 6.00 17.70   1977 28,400,000 0 2,330,000 26,200,000 8.77 19.70   1978 29,800,000 3,630 1,030,000 26,200,000 11.70 20.90   1980 26,900,000 3,630 1,030,000 26,200,000 12.40 20.90   1981 27,700,000 3,630 1,030,000 25,600,000 13.70 21.50   1982 26,700,000 23,600 1,680,000 24,200,000 14.40	1969					4.13			
1971 23,700,000 43,500 798,000 23,000,000 3.77 15.20   1972 26,800,000 44,500 951,000 25,900,000 4.12 16.10   1973 26,300,000 43,500 767,000 25,600,000 4.04 14.80   1974 26,400,000 0 1,020,000 25,400,000 6.00 18.20   1975 24,800,000 40,700 1,970,000 22,800,000 6.17 17.70   1977 28,400,000 0 2,330,000 26,200,000 8.06 21.70   1978 29,800,000 41,700 2,570,000 27,300,000 8.77 19.70   1980 26,900,000 35,400 1,070,000 24,200,000 11.70 20.90   1981 24,100,000 52,600 950,000 23,30,000 13.40 22.70   1982 24,700,000 32,600 1,080,000 25,600,000 13.70 21.50   1983 24,100,000 73,500 786,000 24,200,000									
1972 26,800,000 44,500 951,000 25,900,000 4.12 16.10   1973 26,300,000 43,500 767,000 25,600,000 4.04 14.80   1974 26,400,000 0 1,020,000 25,400,000 5.08 16.80   1975 24,800,000 40,700 1,970,000 22,800,000 6.00 18.20   1976 27,100,000 55,000 2,300,000 24,900,000 8.06 21.70   1977 28,400,000 0 2,330,000 26,200,000 8.29 20.70   1978 29,800,000 41,700 2,570,000 27,300,000 8.77 19.70   1980 26,900,000 35,400 1,080,000 25,800,000 13.40 22.70   1981 27,200,000 36,301 1,030,000 26,200,000 13.40 22.70   1983 26,700,000 23,600 1,800,000 13.40 22.70   1984 26,700,000 73,500 786,000 13.30 13.60				798.000					
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# SAND AND GRAVEL (INDUSTRIAL) STATISTICS<sup>1</sup> U.S. GEOLOGICAL SURVEY [All values in metric tons (t) sand and gravel unless otherwise noted]

Last modification: October 31, 2007

				Apparent	Unit value	Unit value	World
Year	Production	Imports	Exports	consumption	( <b>\$/t</b> )	( <b>98</b> \$/t)	production
2006	31,700,000	855,000	3,830,000	28,700,000	25.46	20.58	118,000,000

<sup>1</sup>Compiled by K.E. Porter (retired) and T.P. Dolley.

Data are calculated, estimated, or reported. See notes for more information.

# Sand and Gravel (Industrial) Worksheet Notes

## **Data Sources**

The sources of data for the industrial sand and gravel worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR), and Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS). The years of publication and corresponding years of data coverage are listed in the references section below. Blank cells in the worksheet indicate that data were not available.

## Production

U.S. production data collection and reporting did not start for industrial sand until 1902. Before 1902, sand was included with stone and included only silica sand for glass making. Construction and industrial sand and gravel production were reported together in the salient statistical table in the MR and the MYB through 1958, and were split between "commercial" and "government" (State, county, municipalities, and Federal). Categories were split between construction and industrial according to the following guidelines: Construction sand included building, paving, railroad ballast, and other (excluding ground sand). The reporting of gravel production prior to 1959 did not indicate any industrial applications, therefore the assumption is made that all gravel production data were for construction applications. After 1958, some gravel was used for industrial applications, such as filtration, ferrosilicon, and non-metallic flux for sulfur production. Industrial sand includes glass, molding, grinding and polishing (also blast sand), fire or furnace, engine, and filter (ground sand is included in the "other" category and is separated out for inclusion with industrial). Construction and industrial sand and gravel statistics were reported separately in a combined chapter starting with the 1959 MYB and in separate chapters starting with the 1988 MYB.

#### Imports

U.S. import data for industrial sand and gravel were reported in tables starting with the 1922 MR and continues to be reported in the MYB and the MCS.

### **Exports**

Export data for combined sand and gravel (construction) and sand and gravel (industrial) were reported in the foreign trade section text starting with the 1922 MR and continuing in the MYB through 1939. Construction and industrial sand and gravel export data were split 50:50 for the years 1922–39 based on the average for the years 1971–2006 when more complete export data were available. Sand and gravel (industrial) export data were not available for the years 1940–62. Export data for the years 1963–2006 are from the CDS, the MCS, and the MYB.

#### **Apparent Consumption**

Apparent consumption is defined as follows:

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APPARENT CONSUMPTION = PRODUCTION + IMPORTS - EXPORTS.
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Export data are not available for the years 1940-62 and are not included for the purpose of estimating apparent consumption.

#### Unit Value (\$/t)

Unit values were estimated by summing the values for different types of sand and gravel (industrial) production plus import values minus export values and dividing by total quantity of production plus imports minus exports. Data for quantities and values from which unit values were estimated are from the MR and the MYB.

#### Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

### World Production

World production data reporting of industrial sand and gravel started in 1969 in the MCS. Data prior to 1969 were not available for other countries and therefore were not reported. Data from 1969–95 were from the MCS. Data from 1996–2006 were from the MYB.

#### References

U.S. Bureau of Mines, 1927–34, Mineral Resources of the United States, 1924–31.

- U.S. Bureau of Mines, 1933–96, Minerals Yearbook, 1932–94.
- U.S. Bureau of Mines, 1962–77, Commodity Data Summaries, 1962–77.
- U.S. Bureau of Mines, 1978–95, Mineral Commodity Summaries, 1978–95.
- U.S. Geological Survey, 1901–27, Mineral Resources of the United States, 1900–23.
- U.S. Geological Survey, 1997–2007, Mineral Commodity Summaries, 1997–2007.

- U.S. Geological Survey, 1997–2007, Minerals Yearbook, v. I, 1995–2006.
- U.S. Geological Survey and U.S. Bureau of Mines, 1996, Mineral Commodity Summaries, 1996.

# **Recommended Citation Format:**

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, in Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, available online at http://pubs.usgs.gov/ds/2005/140/. (Accessed [date].)

## For more information, please contact:

USGS Sand and Gravel-Industrial Commodity Specialist