P2041 Mining: production and sales May 2003

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Key figures regarding mining production as at the end of May 2003

Actual estimates	May 2003	% change between May 2002 and May 2003	% change between March 2002 to May 2002 and March 2003 to May 2003	% change between January 2002 to May 2002 and January 2003 to May 2003
Index of the physical volume of mining production Gold	85,6	-5,7%	-5,5%	-5,1%
Non-gold minerals	114,5	+7,0%	+5,2%	+4,4%
Total	107,1	+4,1%	+2,7%	+2,1%

Seasonally adjusted estimates

Index of the physical volume of mining production Gold Non-gold minerals **Total**

May 2003	% change between April 2003 and May 2003	% change between December 2002 to February 2003 and March 2003 to May 2003
88,4	-0,2%	-2,0%
111,7	+0,4%	+4,8%
105,7	+ 0,3%	+3,3%

Key findings regarding mining production as at the end of May 2003

Mining production increases

Total mining production for the three months ended May 2003, after seasonal adjustment, reflected an increase of 3,3% compared with the previous three months.

The increase of 3,3% after seasonal adjustment in the total mining production was due to a seasonally adjusted increase of 4,8% in the production of non-gold minerals during the three months ended May 2003 compared with the previous three months. However, this increase was to a certain extent counteracted by a decrease of 2,0% in gold production during the same period. The major contributors to the seasonally adjusted increase of 4,8% in the production of non-gold minerals were coal, platinum, diamond and iron ore mines.

Key figures regarding mineral sales as at the end of April 2002

Actual estimates	April 2003 R million	% change between April 2002 and April 2003	% change between February 2002 to April 2002 and February 2003 to April 2003	% change between January 2002 to April 2002 and January 2003 to April 2003
Mineral sales				
Gold	2 510,9	-32,4%	-23,6%	-19,7%
Non-gold minerals	6 613,5	-11,5%	-9,8%	-12,0%
Total	9 124,4	-18,4%	-14,2%	-14,4%

Seasonally adjusted estimates

Mineral sales Gold Non-gold minerals **Total**

April 2003 R million	% change between March 2003 and April 2003	% change between November 2002 to January 2003 and February 2003 to April 2003
2 862,6 6 795,7	+8,4% -5,6%	-9,0% -3,7%
9 658,3	-1,9%	-5,3%

Key findings regarding mineral sales as at the end of April 2003

Mineral sales decrease

The seasonally adjusted value of mineral sales at current prices for the three months ended April 2003 reflected a decrease of 5,3% compared with the previous three months. Furthermore, the actual value of mineral sales at current prices for the three months ended April 2003 reflected a decrease of 14,2% compared with the three months ended April 2002.

The decrease of 5,3% in the seasonally adjusted value of mineral sales for the three months ended April 2003 compared with the previous three months can be attributed to a decrease of 9,0% (-R830,9 million) in sales of gold and a decrease of 3,7% (-R816,8 million) in sales of non-gold minerals.

The 14,2% decrease in the actual value of mineral sales at current prices for the three months ended April 2003 compared with three months ended April 2002 was mainly due to a decrease of 23,6% (-R2 483,8 million) in sales of gold and a decrease of 9,8% (-R2 256,9 million) in sales of non-gold minerals. The decrease of 23,6% in non-gold mineral sales was mainly due to decrease of 42,7%

(-R253,5 million) in sales of copper, 35,7% (-R389,3 million) in sales of 'other' metallic minerals, 25,2% (-R347,1 million) in sales of iron ore and 20,0% (-R1 723,3 million) in sales of platinum (cf. Table B).

Table B - Contribution by the different mining divisions to the total mineral sales.

Mining division	Percentage contribution to mineral sales during February 2002 to April 2002	Quarterly percentage change between February 2002 to April 2002 and February 2003 to April 2003	Contribution (percentage points) to the percentage change in sales 1/	Difference in total mineral sales between February 2002 to April 2002 and February 2003 to April 2003 R million			
Gold	31,4	-23,6	-7,4	-2 483,8			
Non-gold minerals							
Iron ore	4,1	-25,2	-1,0	-347,1			
Copper	1,8	-42,7	-0,8	-253,5			
Manganese ore	1,2	-13,8	-0,2	-54,6			
Chromium	0,8	-3,6	0,0	-9,9			
Platinum	25,8	-20,0	-5,2	-1 723,3			
Nickel	1,7	-0,1	0,0	-0,8			
Other metallic minerals	3,3	-35,7	-1,2	-389,3			
Coal	20,4	-4,6	-0,9	-313,9			
Building materials	2,2	-1,2	0,0	-8,6			
Other non-metallic	7,3	34,7	2,5	844,1			
Total non-gold minerals	68,6	-9,8	-6,8	-2 256,9			
Total minerals	100,0	-14,2	-14,2	-4 740,7			

The contribution to the percentage change in sales is calculated by multiplying the quarterly percentage change of each mineral with the percentage contribution to total mineral sales during February 2002 to April 2002, divided by 100.

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Forthcoming issues	Issue	Expected date of publication
	June 2003 July 2003 August 2003 September 2003	12 August 2003 09 September 2003 07 October 2003 11 November 2003
	October 2003 November 2003 December 2003	09 December 200313 January 200410 February 2004

Purpose of the survey

The monthly mining production and sales survey is a country-wide sample survey covering a sample of mining establishments operating in the South African economy. The results of this survey are used to calculate physical volume of mining production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor Government policy.

Additional information

Explanatory notes

Introduction

- Statistics South Africa (Stats SA) publishes monthly information regarding the mining industry on the basis of mining production figures and mineral sales furnished by the Minerals Bureau, Department of Minerals and Energy. This statistical release contains detailed information regarding indices of the physical volume of mining production and the total value of mineral sales according to mining divisions and mineral groups on a monthly basis.
- In accordance with international practice, the indices have to be re-based every five years to a new base year. The base year of the index of the physical volume of mining production has been changed from 1995=100 to 2000=100. Both actual and seasonally adjusted figures are presented.
- 3 Due to mining production figures being available earlier than mineral sales figures, mining production indices are published one month earlier than mineral sales.
- 4 The value of mineral sales is calculated, in general, on a free-on-rail/free-on-board basis.
- In order to improve timeliness, some information for the current month may have been estimated due to late response. These estimates will be revised in future statistical release(s) as soon as more up-to-date information is available.

Scope of the survey

- 6 This survey covers mining establishments conducting activities regarding -
 - the extracting, dressing and beneficiating of minerals occurring naturally, for example solids such as coal and ores.

Classification

The 1993 edition of the Standard Industrial Classification of all Economic Activities (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 International Standard Industrial Classification of all Economic Activities (ISIC) with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division, major group and subgroup level. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment (branch).

Statistical unit

8 The basic statistical unit for the collection of information is the mining establishment. An establishment is the smallest economic unit that functions as a separate entity. Each statistical unit is classified to an industry (cf. paragraph 7).

Weighting

9 The weights which are used to aggregate minerals to mineral groups and mineral groups to total mining, are based on the value of production derived from detailed information for 2000 supplied by the Minerals Bureau, Department of Minerals and Energy.

Seasonal adjustment

10 Seasonally adjusted estimates of all items are generated each month, using the X-11 Seasonal Adjustment Program developed by US Bureau of the Census Economic Research and Analyses Division, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month.

Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. This means the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

Reliability of estimates

Estimates are subject to sampling and non-sampling errors. Figures for the latest month are preliminary.

Historical data

More comprehensive detail on the method of calculation and historical data in respect of the production indices according to mining mineral groups for the period January 1990 to November 2002 is available in statistical release P2041.1, entitled Mining statistics: Indices of the physical volume of mining production, Base: 2000=100, January 1990 to November 2002, published on 11 February 2003 on the Stats SA website www.statssa.gov.za.

Related publications

- Users may also wish to refer to the following publications which are available from Stats SA -
 - Bulletin of Statistics.
 - SA Statistics.

Unpublished statistics

In some cases Stats SA can also make available statistics which are not published. The statistics can be made available via: computer printouts or diskette or CD. Generally a charge is made for providing unpublished statistics.

Rounding-off of figures

The figures in the tables have, where necessary, been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.

Glossary

Free-on-rail Free-on-rail relates to goods sold on the local market where no railage or road transport costs are

involved.

Free-on-board basis Free-on-board relates to goods destined for the export market. Railage, road transport and

docking charges are involved but no charges are made for the transport by sea.

Index of physical volume of mining production

The index of physical volume of mining production or a production index is a statistical measure of the change in the volume of production. The production index of a mineral group is the ratio between the volume of production of a mineral group in a given period and the volume of production of the same mineral group in the base period. The current base period is 2000. The

production in the base period is set at 100.

Industry An industry consists of a group of establishments engaged in the same or similar kinds of

economic activity. Industries are defined in the System of National Accounts (SNA) in the same way as in the Standard Industrial Classification (SIC) of all Economic Activities, Fifth Edition of

May 1993.

Sales are the total value of sales and transfers-out of goods mined by the mining establishments

and the amounts received for installation, erection or assembly or other services rendered.

Weight The weight of a mineral group is the ratio of the production of a mineral group to the total

production of the mining industry. The weight of a mineral group reflects the importance of the mineral group in the total mining industry. The weights change over time due to quality changes

and changes in relative prices. New weights need to be calculated from time to time.

For more information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English only.

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Advanced release calendar

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Stats SA also provides a subscription service.

Electronic services

A large range of data are available via on-line services, diskette, CD and computer printouts. For more details about our electronic data services, contact (012) 310 8600/8390/8351/4892/8496/8095.

You can visit us on the Internet at: www.statssa.gov.za

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Produced by Stats SA

Table 1 - Index of the physical volume of mining production including gold (Base 2000=100)

Month	1997	1998	1999	2000	2001	2002*	2003*			
				Actual indices						
J	97,6	99,1	92,6	93,8	95,0	89,0	85,1			
F	103,1	101,5	99,0	99,3	96,8	94,2	100,2			
M	101,8	103,8	104,8	100,0	102,3	99,1	102,0			
A	100,9	99,8	96,2	95,0	98,9	102,0	103,1			
M	106,3	100,3	104,5	95,7	103,6	102,9	107,1			
J	110,2	108,8	103,7	106,8	108,4	104,1				
J	105,0	101,8	102,5	96,9	93,5	98,9				
A	107,5	104,1	98,4	102,1	115,2	107,1				
s	107,1	104,2	104,4	104,9	98,4	108,0				
o j	105,0	109,3	104,2	100,0	105,1	106,5				
N	108,9	106,8	107,0	105,5	102,6	107,4				
D j	102,8	103,2	100,9	100,2	97,2	106,7				
Year	104,7	103,6	101,5	100,0	101,4	102,2				
			s	Seasonally adju	sted indices					
 J	100,1	101,7	97,9	102,1	104,0	97,3	92,5			
F	99,4	101,1	100,0	103,3	101,1	98,9	106,2			
М	96,5	99,8	101,9	99,5	102,4	99,4	102,5			
A	101,0	101,6	96,9	98,1	101,6	104,7	105,4			
м	103,8	98,4	103,5	95,3	102,9	101,9	105,7			
J	102,6	103,5	98,0	101,4	102,7	98,7				
J	102,5	99,2	104,1	99,1	96,0	101,7				
A	101,6	98,6	95,9	99,8	112,4	104,1				
s	100,7	99,9	100,0	104,4	97,8	107,5				
0	99,0	105,1	100,3	96,2	100,7	102,2				
N	102,1	101,3	102,9	101,5	98,9	103,6				
рİ	100,0	101,9	100,6	99,5	95,3	105,0				

Table 2 - Index of the physical volume of mining production excluding gold (Base 2000=100)

Month	1997	1998	1999	2000	2001	2002*	2003*
				Actual indi	ces		
J	94,0	94,5	90,6	94,4	98,3	89,6	85,7
F	97,3	97,8	96,1	96,4	98,6	95,8	105,4
M	92,0	101,5	98,6	97,9	104,4	101,0	106,5
A	95,9	98,6	91,6	94,1	102,2	105,3	108,7
M į	100,8	99,5	105,1	96,6	108,9	107,0	114,5
J	107,7	106,4	100,7	107,5	112,5	107,3	
J	101,3	99,4	103,5	97,6	93,7	102,2	
A İ	101,5	100,3	97,1	101,7	124,5	111,0	
s į	98,7	99,7	100,6	105,1	99,7	111,2	
o j	99,4	110,8	104,6	100,6	110,2	111,7	
N	99,9	104,5	107,7	107,4	106,8	113,2	
D j	94,6	96,3	97,2	100,8	97,7	110,8	
 Year	98,6	100,8	99,5	100,0	104,8	105,5	
				Seasonally a	djusted indice	es	
 J	95,8	96,4	95,4	102,4	107,6	98,2	93,2
F	94,5	98,3	97,9	100,9	103,5	101,2	112,5
м	89,7	98,0	98,2	98,2	105,3	102,2	107,8
A İ	96,3	100,0	93,1	97,2	105,1	108,3	111,2
м	98,6	96,2	102,4	94,8	106,8	104,7	111,7
Jį	99,2	101,3	95,6	101,6	106,1	101,2	
J	98,5	95,8	104,1	99,3	95,6	104,7	
a i	97,1	95,6	95,4	99,8	121,7	108,1	
s į	95,5	97,7	98,3	106,4	100,7	112,4	
o i	94,1	104,9	99,4	95,4	104,3	105,9	
n i	96,0	99,3	103,0	102,7	102,1	108,4	
рi	95,8	99,1	99,9	101,3	96,5	109,8	

^{*} Revised

Table 3 - Indices of physical volume of mining production according to major divisions, major groups and minerals (Base 2000=100)

Actual indices | Seasonally adjusted | indices | 2003 | 2002 | 2003 | 2002 | | 2002 |-----|----|-----| | Total, gold included | 100,0 | 102,2 107,1 103,1 102,9 | 105,7 105,4 101,9 | Total, gold excluded | 74,3 | 105,5 114,5 108,7 107,0 | 111,7 111,2 104,7 | | 25,7 | 92,4 | 85,6 | 86,8 | 90,8 | 88,4 | 88,6 | 93,8 | 3,1 | 109,2 | 120,8 | 118,8 | 102,8 | 121,3 | 123,0 | 102,9 | 1,1 | 96,6 | 108,8 | 108,4 | 96,4 | 108,5 | 112,9 | 95,6 | 1,6 | 94,7 | 108,0 | 100,0 | 104,4 | 104,7 | 96,8 | 102,6 | 1,3 | 92,3 | 89,2 | 95,2 | 76,0 | 91,8 | 98,6 | 77,8 | 27,6 | 115,9 | 127,6 | 123,2 | 120,8 | 123,9 | 124,1 | 117,3 | 201 | 105,3 | 136.4 | 91.6 | 100,0 | 124,2 | 96,3 | 91,4 | Gold Iron ore Chrome Copper Manganese ore Platinum 2,0 105,3 136,4 91,6 100,0 124,2 96,3 91,4 2,9 99,6 88,4 94,4 108,0 82,4 94,2 100,8 Other metallic minerals

^{*} Revised

Table 4 - Total value of mineral sales including gold (R million)

Month	1997		1998	1	 999 	2	2000	2	2001	l	2002*	l :	 2003*
Actual values													
Ј	 6 447,8	5	577,2	6	098,8	6	244,1	 9	241,5	11	 L 384,4	9	673 , 7
F	5 159,4		316,4		763,6		115,7		711,7		637,1		959,7
M	4 936,6		547,6		445,1		958,5		134,9		L 610,2		605,7
A	5 576,8	5	662,1	5	706,5	7	521,3	8	554,2	11	L 183,2	9	124,4
M	5 309,0	5	433,1	5	702,9	8	222,7	9	675,9	12	2 134,9		
J	5 445,9	6	017,2	6	391,3	8	222,5	10	640,7	11	L 626,3		
J	5 780,3	6	669,1	5	996,1	7	640,3	10	155,2	10	721,1		
A	5 546,2	6	318,5	6	852,9	8	223,4	9	593,5	11	L 599,3		
s	5 568,2	6	066,8	6	548,3	8	568,9	8	718,6	12	2 072,8		
0	6 026,1	. 6	446,0	6	005,9	8	317,6	10	012,7	12	2 482,7		
N	5 130,8	5	994,9	7	573,0	9	828,5	9	638,4	11	L 008,4		
D	5 386,9	6	343,0	7	346,9	9	474,9	11	340,1	10	737,4		
Year	66 314,0	71	391,9	76	431,3	98	338,4	115	417,4	137	7 197,8		
						Seasona	ally ad	ljusted	values				
 Ј	 6 192,8		068,6	 5	994,5	 6	175,0	9	 173,9	11	 L 353,0	9	516,4
F	5 373,6		950,5		888,2		188,5		825,2		763,8		999,8
M	4 930,8		584,6		481,7		448,5		114,1		L 618,2		841,0
A	5 605,8		543,9		910,9		760,5		937,2		L 866,2		658,3
M	5 359,7		536,5		815,2	8	241,0	9	674,0	12	2 035,8		-
J	5 484,2	5	910,9	6	203,5	7	777,3	9	979,4	10	919,7		
J	5 553,8	6	454,6	5	902,6	7	606,3	10	766,9	10	962,5		
A	5 471,8	6	273,1	6	814,8	8	286,4	9	609,7	11	L 653,6		
s	5 629,9	6	138,7	6	787,9	8	648,1	8	784,7	12	2 287,1		
0	5 685,2	6	275,0	5	937,2	8	390,9	9	928,4	12	2 308,8		
N	5 284,2	6	129,2	7	706,8	10	011,6	9	815,8	11	L 267,1		
D	5 544,5	6	331,9	7	165,2	9	057,3	10	869,8	10	363,3		

Table 5 - Total value of mineral sales excluding gold (R million)

Month	1997	1998	1999	2000	2001	2002*	2003*
				Actual values			
J	3 394,4	3 737,4	4 033,9	4 476,9	7 181,9	7 999,7	6 536,0
F	3 280,4	3 579,7	3 801,6	4 963,8	7 720,8	7 370,9	7 150,9
M	3 172,6	3 713,2	3 938,7	6 688,4	5 912,0	8 081,9	6 901,6
A	3 441,4	3 779,7	3 802,4	5 790,2	6 748,0	7 470,2	6 613,5
M	3 245,0	3 677,1	3 826,7	6 166,9	7 139,7	8 608,9	
J	3 663,5	4 121,5	4 413,3	5 908,5	8 245,9	8 024,6	
J	3 429,2	4 285,6	4 061,6	5 700,6	7 788,5	7 285,9	
A	3 555,0	4 122,2	4 956,0	5 892,6	6 949,6	8 031,0	
s	3 573,9	3 857,5	4 480,8	6 479,6	-	8 519,9	
0	3 566,2	4 175,0	3 947,8	6 047,1	6 984,6	8 680,4	
N	3 332,1	3 955,1	5 038,1	7 529,4	6 963,8	7 930,8	
D	3 583,1	4 092,9	5 139,7 	7 422,4	8 544,7 	7 807,7	
Year	41 236,8	47 096,9	51 440,6	73 066,4	86 405,9	95 811,9	
				Seasonally adj	usted values		
J	3 241,5	4 258,2	3 951,1	4 423,7	7 155,0	8 069,6	6 490,0
F	3 297,2	4 072,7	3 808,7	4 941,0	7 775,2	7 418,1	7 129,4
м	3 132,7	3 742,5	4 005,3	7 235,0	5 950,6	8 176,8	7 199,3
A	3 476,2	4 613,2	3 880,4	5 849,4	6 904,0	7 649,3	6 795,7
M	3 238,6	3 705,7	3 846,7	6 091,3	7 035,8	8 390,2	
J	3 533,1	3 905,7	4 183,4	5 486,3	7 646,4	7 435,8	
J	3 422,0	4 247,3	4 068,2	5 709,6	8 396,8	7 481,5	
A	3 539,9	4 141,1	4 979,7	6 035,6	7 071,3	8 240,5	
s	3 648,0	3 937,9	4 728,2	6 576,4	6 309,1	8 741,9	
0	3 548,0	4 268,0	4 079,0	6 319,9	7 162,9	8 854,4	
N	3 365,1	3 983,0	5 084,9	7 646,7	7 070,7	8 110,0	
D	3 694,3	4 058,1	4 945,2	6 979,8	8 013,1	7 341,2	

^{*} Revised

Table 6 - Total value of mineral sales according to major divisions, major groups and minerals $(R \ million)$

	 		Acti	ıal val	ue				Seasonally adjusted value					
Minerals				2003		 	2002		2003				2002	
	2002 	2002		pr.	Ma	ar. *	 A	pr.	Apr		Ī	Mar.		Apr.
Total, gold included	137 19	7,8	9	124,4	9	605,7	11	183,2	9	658,	3	9 841,0	11	866,2
Total, gold excluded	95 81	1,9	6	613,5	6	901,6	7	470,2	6	795,	7	7 199,3	7	649,3
 Gold	 41 38	ا 11،68	2	510,9	2	704.1	3	713.0	 2	862.	6	2 641,7	4	216,9
Iron ore	j 510	8,8		299,3		357,4		503,0	•			332,3		
Chrome	1 10	1,2		92,9					•			93,1		
Copper	2 14	3,3		104,1		102,7		162,5	İ	109,	7	86,1		168,8
Manganese ore	162	6,4		134,7		125,0		140,6	İ	122,	9	131,5		127,3
Platinum	34 82	8,7	2	099,3	2	180,3	2	665,4	2	221,	1	2 144,9	2	797,8
Nickel	2 63	9,0		205,8		171,9		208,8	ĺ	213,	4	184,5		216,6
Other metallic minerals	4 48	0,1		279,5		214,3		393,1		267,	1	242,8		382,9
 Coal	 28 53	ا ا 1 ، 86	2	218,5	2	120,7	2	122,3	 2	305.	3	2 150,5	2	208,3
Building materials	•			233,4					•			258,0		260,0
- Granite or norite	!								!			62,5		
- Lime and limestone	1 04	9,8		99,1		96,3		83,2	İ	103,	5	99,8		86,8
- Other building materials	1 31	1,2		98,9		96,8		100,7	İ	101,	7	95,7		103,6
Other non-metallic minerals	12 10	6,6		945,8	1	293,2		944,3	İ	918,	9	1 575,6		915,3

^{*} Revised