

# Statistical release

## P2041

# Mining: Production and sales (Preliminary)

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## Production: results for January 2012

**Table A – Total mining production**

Actual estimate	Base: 2005=100		
	January 2012	% change between January 2011 and January 2012	% change between November 2010 to January 2011 and November 2011 to January 2012
Volume of mining production index	78,6	-2,5	-2,4

Seasonally adjusted estimate	Base: 2005=100		
	January 2012	% change between December 2011 and January 2012	% change between August to October 2011 and November 2011 to January 2012
Volume of mining production index	90,0	-4,7	5,5

**Table B – Contribution of the mineral group and mineral to the total three-monthly seasonally adjusted growth in mining production**

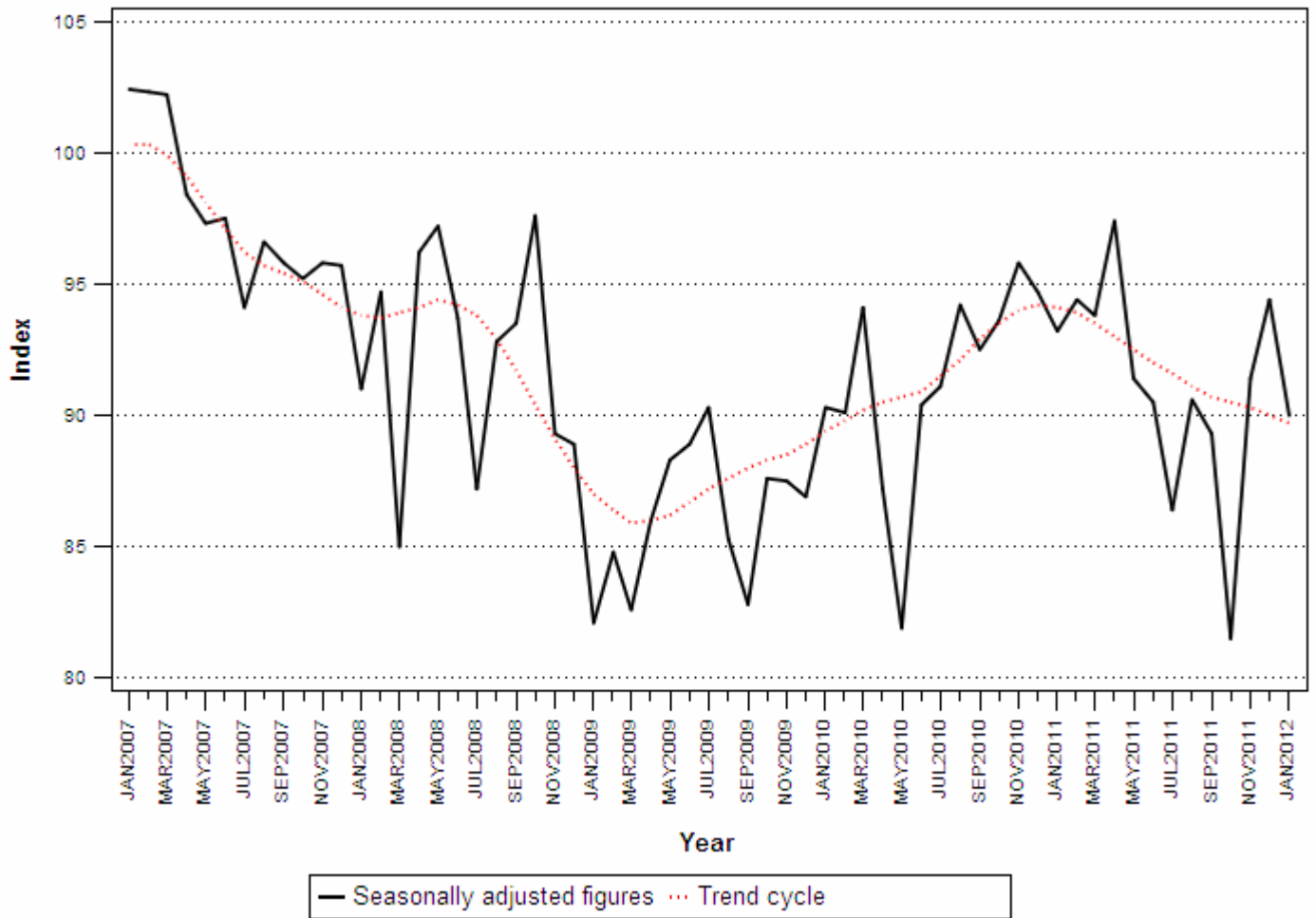
Mineral group and mineral	Base: 2005=100					
	Weights 2005	August to October 2011	November 2011 to January 2012	% change between August to October 2011 and November 2011 to January 2012	Difference between August to October 2011 and November 2011 to January 2012	Contribution (% points) to the % change in total mining production 1/
Gold	17,2	58,4	59,5	1,9	1,1	0,2
Iron ore	5,3	155,6	147,1	-5,5	-8,5	-0,5
Chromium ore	1,3	139,3	159,3	14,4	20,0	0,3
Copper	1,8	76,2	90,5	18,8	14,3	0,3
Manganese ore	1,5	191,1	191,9	0,4	0,8	0,0
PGMs	27,0	85,7	91,1	6,3	5,4	1,7
Nickel	2,8	88,4	112,0	26,7	23,6	0,7
Other metallic minerals	2,8	103,1	108,3	5,0	5,2	0,2
Diamonds	7,6	41,9	38,2	-8,8	-3,7	-0,3
Coal	24,9	101,8	110,4	8,4	8,6	2,4
Building materials	2,1	100,0	113,4	13,4	13,4	0,3
Other non-metallic minerals	5,7	63,2	66,0	4,4	2,8	0,2
<b>Total</b>	<b>100,0</b>	<b>87,1</b>	<b>91,9</b>	<b>5,5</b>	<b>4,8</b>	<b>5,5</b>

1/ The contribution (percentage points) of a mineral or mineral group to the percentage change in the total seasonally adjusted mining production is calculated by multiplying the difference in the index for the mineral or mineral group by the weight of the mineral or mineral group and then dividing by the previous period's total index. Figures have been rounded off.

Seasonally adjusted mining production increased by 5,5% for the three months ended January 2012 compared with the three months ended October 2011. The main contributors to the 5,5% increase were coal (contributing 2,4 percentage points) and PGMs (contributing 1,7 percentage points) (see Table B).

Actual mining production was 2,4% lower for the three months ended January 2012 compared with the three months ended January 2011 (see Tables A and 6). A year-on-year decrease of 2,5% was recorded in January 2012 compared with a revised 0,1% increase in December 2011 (see Table 2).

Figure 1 – Volume of mining production (Base: 2005=100)



## Sales: results for December 2011

**Table C – Total value of mineral sales**

Actual estimate	December 2011	% change between December 2010 and December 2011	% change between October to December 2010 and October to December 2011	% change between January to December 2010 and January to December 2011
	R million			
Total value of mineral sales	34 625,9	24,6	25,8	23,3

Seasonally adjusted estimate	December 2011	% change between November and December 2011	% change between July to September 2011 and October to December 2011
	R million		
Total value of mineral sales	34 664,0	-0,9	11,3

**Table D – Contribution of the mineral group and mineral to the seasonally adjusted three-monthly growth in the total value of mineral sales (R million)**

Mineral group and mineral	% contribution to total mineral sales during July to September 2011	July to September 2011	October to December 2011	% change between July to September 2011 and October to December 2011	Contribution to the % change in the total value of mineral sales 1/	Difference between July to September 2011 and October to December 2011
		R million	R million		% points	R million
Gold	19,9	18 402,1	20 813,5	13,1	2,6	2 411,4
Iron ore	18,2	16 782,2	16 443,1	-2,0	-0,4	-339,1
Chromium ore	2,1	1 978,6	2 300,8	16,3	0,3	322,2
Copper	1,4	1 328,3	1 267,3	-4,6	-0,1	-61,0
Manganese ore	2,7	2 499,8	2 805,6	12,2	0,3	305,8
PGMs	20,3	18 736,6	22 249,9	18,8	3,8	3 513,3
Nickel	1,3	1 216,4	1 921,5	58,0	0,8	705,1
Other metallic minerals	3,1	2 820,8	3 465,1	22,8	0,7	644,3
Coal	23,6	21 794,2	24 798,7	13,8	3,3	3 004,5
Building materials	2,1	1 960,2	2 159,6	10,2	0,2	199,4
Other non-metallic minerals	5,2	4 780,0	4 485,3	-6,2	-0,3	-294,7
<b>Total</b>	<b>100,0</b>	<b>92 299,2</b>	<b>102 710,4</b>	<b>11,3</b>	<b>11,3</b>	<b>10 411,2</b>

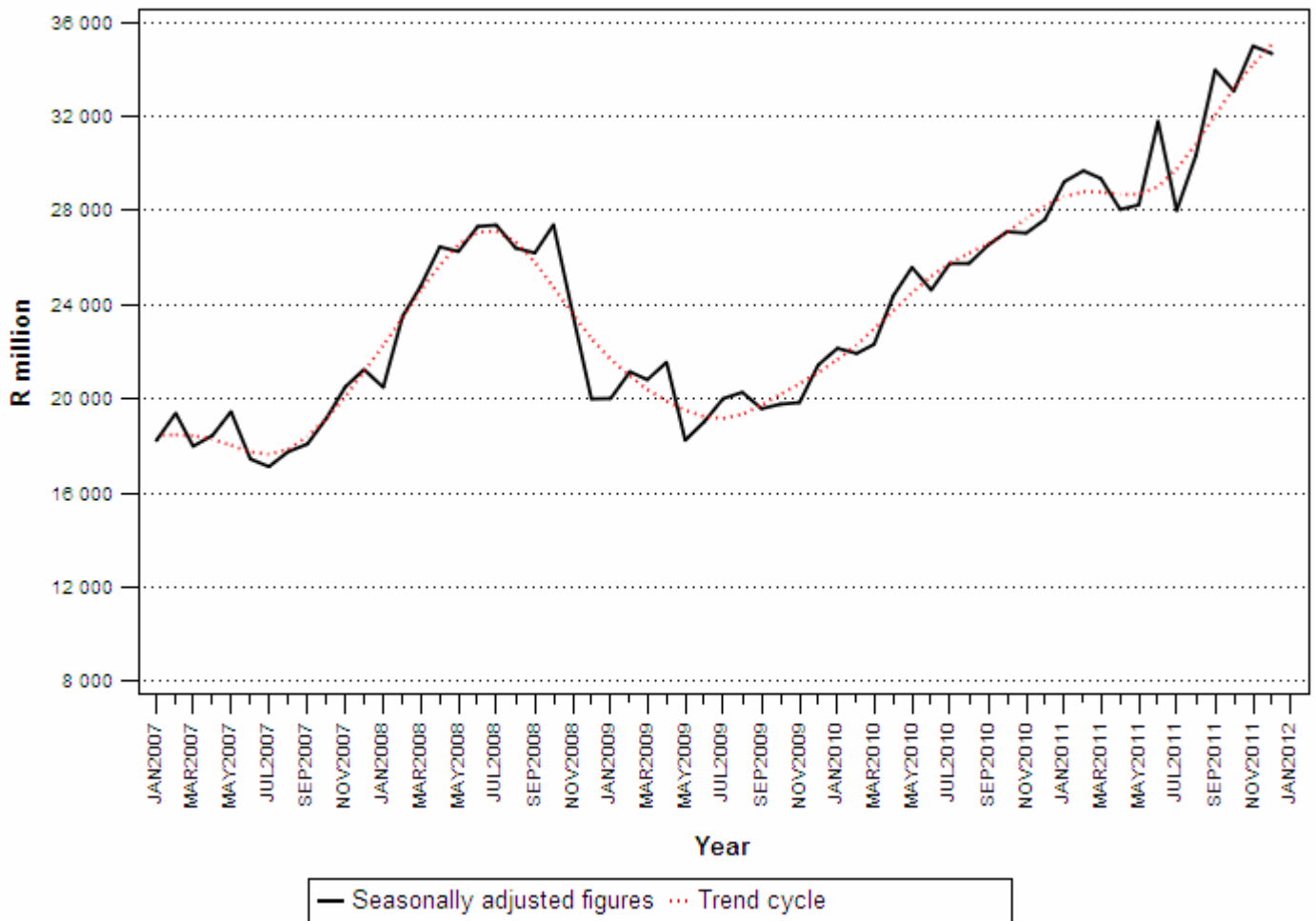
1/ The contribution (percentage points) to the percentage change in sales is calculated by multiplying the percentage change of each mineral with the percentage contribution to total mineral sales during July to September 2011, divided by 100. Figures have been rounded off.

The seasonally adjusted value of mineral sales at current prices reflected an increase of 11,3% in the fourth quarter of 2011 compared with the third quarter of 2011. The 11,3% increase (R10 411,2 million) was mainly due to increases in the sales value of PGMs (contributing 3,8 percentage points or R3 513,3 million), coal (contributing 3,3 percentage points or R3 004,5 million) and gold (contributing 2,6 percentage points or R2 411,4 million) (see Table D).

The total value of mineral sales was 23,3% higher in 2011 compared with 2010, following an increase of 24,6% in 2010 and a decrease of 19,7% in 2009 (see Table 8). Except for manganese ore, all other mineral groups and minerals contributed positively to the 23,3% increase. The largest increases were:

- iron ore (contributing 6,4 percentage points or R19 212,2 million);
- coal (contributing 5,3 percentage points or R15 981,9 million);
- gold (contributing 5,3 percentage points or R15 798,2 million); and
- PGMs (contributing 3,3 percentage points or R10 066,3 million) (see Table 13).

**Figure 2 – Mineral sales at current prices**



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## Tables

**Table 1 – Index of the volume of mining production: 2006 – 2012**

Month	Base: 2005=100						
	2006	2007	2008	2009	2010	2011 1/	2012 1/
January	87,7	90,1	79,0	71,4	78,3	80,6	78,6
February	85,2	90,8	83,6	74,6	79,9	82,9	
March	101,7	102,9	85,6	83,7	94,8	94,5	
April	94,8	93,9	91,4	81,3	82,5	92,1	
May	98,7	99,0	98,1	88,6	81,9	91,0	
June	104,9	102,6	98,4	93,0	94,1	94,2	
July	99,4	96,0	89,4	92,4	93,4	88,8	
August	103,7	101,6	97,5	89,5	99,1	95,3	
September	105,1	104,5	102,3	90,2	101,6	97,6	
October	100,2	97,0	99,0	89,2	95,1	83,3	
November	104,2	98,6	92,4	91,0	99,9	95,2	
December	98,9	96,8	90,7	89,0	96,9	97,0	
Year	<b>98,7</b>	<b>97,8</b>	<b>92,3</b>	<b>86,2</b>	<b>91,5</b>	<b>91,0</b>	

1/ Preliminary.

**Table 2 – Annual percentage change in the volume of mining production: 2006 – 2012**

Month	Percentage change 2/						
	2006	2007	2008	2009	2010	2011	2012
January	-9,7	2,7	-12,4	-9,6	9,7	2,9	-2,5
February	-5,7	6,5	-7,9	-10,8	7,1	3,8	
March	-3,0	1,2	-16,8	-2,2	13,3	-0,3	
April	-4,4	-1,0	-2,6	-11,0	1,5	11,6	
May	-3,9	0,3	-0,9	-9,7	-7,6	11,1	
June	0,9	-2,2	-4,1	-5,5	1,2	0,1	
July	-2,0	-3,4	-6,8	3,3	1,1	-4,9	
August	0,9	-2,0	-4,0	-8,2	10,7	-3,8	
September	2,0	-0,6	-2,1	-11,8	12,6	-3,9	
October	1,7	-3,2	2,1	-9,9	6,6	-12,4	
November	3,7	-5,3	-6,3	-1,5	9,8	-4,7	
December	3,4	-2,1	-6,3	-1,9	8,9	0,1	
Year	<b>-1,3</b>	<b>-0,9</b>	<b>-5,6</b>	<b>-6,6</b>	<b>6,2</b>	<b>-0,5</b>	

2/ The annual percentage change is the change in the index of the volume of mining production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

**Table 3 – Seasonally adjusted index of the volume of mining production: 2006 – 2012**

Month	Base: 2005=100						
	2006	2007	2008	2009	2010	2011	2012
January	98,2	102,4	91,0	82,1	90,3	93,2	90,0
February	95,1	102,3	94,7	84,8	90,1	94,4	
March	100,9	102,2	85,0	82,6	94,1	93,8	
April	98,8	98,4	96,2	86,0	87,2	97,4	
May	96,8	97,3	97,2	88,3	81,9	91,4	
June	100,3	97,5	93,7	88,9	90,4	90,5	
July	97,6	94,1	87,2	90,3	91,1	86,4	
August	98,9	96,6	92,8	85,3	94,2	90,6	
September	97,5	95,8	93,5	82,8	92,5	89,3	
October	98,5	95,2	97,6	87,6	93,6	81,5	
November	101,9	95,8	89,3	87,5	95,8	91,4	
December	97,5	95,7	88,9	86,9	94,7	94,4	

**Table 4 – Index of the volume of mining production by mineral group and mineral**

Mineral group and mineral	Base: 2005=100					
	Weights 2005	Average for 2011 1/	January 2011	December 2011 1/	January 2012 1/	% change between January 2011 and January 2012
Gold	17,2	61,1	54,9	60,0	48,7	-11,3
Iron ore	5,3	146,8	101,2	150,4	127,3	25,8
Chromium ore	1,3	143,6	115,0	144,9	135,8	18,1
Copper	1,8	85,7	80,6	96,1	90,6	12,4
Manganese ore	1,5	188,5	132,0	205,2	183,9	39,3
PGMs	27,0	95,0	86,8	122,5	69,9	-19,5
Nickel	2,8	102,2	103,7	126,1	102,8	-0,9
Other metallic minerals	2,8	104,0	100,1	108,3	108,2	8,1
Diamonds	7,6	44,7	40,1	23,1	30,0	-25,2
Coal	24,9	103,4	94,4	101,4	100,5	6,5
Building materials	2,1	96,9	63,7	87,7	91,1	43,0
Other non-metallic minerals	5,7	68,1	67,7	61,9	57,6	-14,9
<b>Total</b>	<b>100,0</b>	<b>91,0</b>	<b>80,6</b>	<b>97,0</b>	<b>78,6</b>	<b>-2,5</b>

1/ Preliminary.

**Table 5 – Seasonally adjusted index of the volume of mining production by mineral group and mineral**

Mineral group and mineral	Base: 2005=100				
	Weights 2005	January 2011	December 2011	January 2012	% change between December 2011 and January 2012
Gold	17,2	64,5	59,5	57,4	-3,5
Iron ore	5,3	107,8	143,0	135,8	-5,0
Chromium ore	1,3	138,9	167,9	164,6	-2,0
Copper	1,8	82,7	92,9	92,7	-0,2
Manganese ore	1,5	150,7	191,0	209,7	9,8
PGMs	27,0	106,4	100,1	84,8	-15,3
Nickel	2,8	107,2	119,0	105,1	-11,7
Other metallic minerals	2,8	100,3	111,1	108,0	-2,8
Diamonds	7,6	56,0	31,3	41,9	33,9
Coal	24,9	105,1	111,9	111,7	-0,2
Building materials	2,1	85,1	113,9	122,2	7,3
Other non-metallic minerals	5,7	71,7	66,5	61,5	-7,5
<b>Total</b>	<b>100,0</b>	<b>93,2</b>	<b>94,4</b>	<b>90,0</b>	<b>-4,7</b>



**Table 6 – Annual percentage change in the three-monthly volume of mining production by mineral group and mineral**

Mineral group and mineral	Base: 2005=100					
	Weights 2005	November 2010 to January 2011	November 2011 to January 2012	% change between November 2010 to January 2011 and November 2011 to January 2012	Difference between November 2010 to January 2011 and November 2011 to January 2012	Contribution (% points) to the % change in total mining production 1/
<b>Gold</b>	17,2	62,6	57,6	-8,0	-5,0	-0,9
<b>Iron ore</b>	5,3	132,6	147,0	10,9	14,4	0,8
<b>Chromium ore</b>	1,3	136,7	143,9	5,3	7,2	0,1
<b>Copper</b>	1,8	89,3	93,9	5,2	4,6	0,1
<b>Manganese ore</b>	1,5	164,2	191,7	16,7	27,5	0,4
<b>PGMs</b>	27,0	107,8	96,2	-10,8	-11,6	-3,4
<b>Nickel</b>	2,8	99,6	113,1	13,6	13,5	0,4
<b>Other metallic minerals</b>	2,8	94,1	106,4	13,1	12,3	0,4
<b>Diamonds</b>	7,6	48,1	31,9	-33,7	-16,2	-1,3
<b>Coal</b>	24,9	101,1	104,4	3,3	3,3	0,9
<b>Building materials</b>	2,1	75,5	96,2	27,4	20,7	0,5
<b>Other non-metallic minerals</b>	5,7	68,3	62,6	-8,3	-5,7	-0,4
<b>Total</b>	<b>100,0</b>	<b>92,5</b>	<b>90,3</b>	<b>-2,4</b>	<b>-2,2</b>	<b>-2,4</b>

1/ The contribution (percentage points) of a mineral or mineral group to the percentage change in the total mining production is calculated by multiplying the difference in the index for the mineral or mineral group by the weight of the mineral or mineral group and then dividing by the previous period's total index. Figures have been rounded off.

**Table 7 – Mineral sales at current prices (R million): 2005 – 2011**

Month	2005	2006	2007	2008	2009	2010	2011 1/
January	9 587,4	11 755,1	15 692,9	17 442,2	17 263,9	19 144,4	25 535,3
February	9 383,8	12 680,8	17 928,6	21 737,4	19 906,3	20 335,7	27 446,5
March	11 477,1	14 179,9	18 555,2	25 894,1	22 093,9	23 621,3	31 377,3
April	11 034,0	13 042,6	17 447,8	25 520,6	20 733,6	23 815,3	27 435,0
May	12 239,8	14 046,8	19 841,6	26 737,6	18 463,5	25 785,7	27 954,0
June	13 360,1	17 809,8	19 033,2	29 881,0	20 337,3	26 222,4	33 898,5
July	12 001,8	17 614,8	17 449,4	27 164,7	20 019,7	25 626,5	27 889,6
August	11 687,6	17 339,2	17 890,4	27 064,3	20 144,0	25 855,9	30 213,9
September	13 524,1	20 586,6	19 619,7	27 830,7	20 737,7	27 977,6	35 581,0
October	12 074,8	18 031,0	18 713,7	27 191,4	19 909,8	27 291,0	33 400,0
November	12 453,2	18 918,2	20 674,4	23 991,0	20 128,7	27 218,9	35 484,6
December	13 994,2	17 584,7	21 590,8	20 259,5	21 626,2	27 790,9	34 625,9
<b>Year</b>	<b>142 817,9</b>	<b>193 589,5</b>	<b>224 437,7</b>	<b>300 714,5</b>	<b>241 364,6</b>	<b>300 685,6</b>	<b>370 841,6</b>

1/ Preliminary.

**Table 8 – Annual percentage change in mineral sales at current prices: 2005 – 2011**

Month	2005	2006	2007	2008	2009	2010	2011
January	-2,4	22,6	33,5	11,1	-1,0	10,9	33,4
February	-2,0	35,1	41,4	21,2	-8,4	2,2	35,0
March	10,4	23,5	30,9	39,6	-14,7	6,9	32,8
April	12,7	18,2	33,8	46,3	-18,8	14,9	15,2
May	18,0	14,8	41,3	34,8	-30,9	39,7	8,4
June	23,1	33,3	6,9	57,0	-31,9	28,9	29,3
July	10,7	46,8	-0,9	55,7	-26,3	28,0	8,8
August	18,8	48,4	3,2	51,3	-25,6	28,4	16,9
September	15,7	52,2	-4,7	41,9	-25,5	34,9	27,2
October	15,4	49,3	3,8	45,3	-26,8	37,1	22,4
November	15,1	51,9	9,3	16,0	-16,1	35,2	30,4
December	32,2	25,7	22,8	-6,2	6,7	28,5	24,6
<b>Year</b>	<b>14,2</b>	<b>35,5</b>	<b>15,9</b>	<b>34,0</b>	<b>-19,7</b>	<b>24,6</b>	<b>23,3</b>

2/ The annual percentage change is the change in the value of mineral sales of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

**Table 9 – Seasonally adjusted mineral sales at current prices (R million): 2005 – 2011**

Month	2005	2006	2007	2008	2009	2010	2011
January	10 555,2	13 236,9	18 236,4	20 490,4	20 013,9	22 145,2	29 219,6
February	9 883,9	13 576,3	19 385,4	23 494,7	21 150,4	21 928,8	29 685,3
March	11 327,1	13 855,6	17 986,2	24 775,4	20 809,9	22 313,0	29 354,5
April	11 651,6	13 795,2	18 440,5	26 454,6	21 551,8	24 374,9	28 041,6
May	12 073,6	13 849,6	19 451,9	26 254,7	18 239,6	25 581,7	28 234,0
June	12 580,4	16 492,0	17 443,8	27 319,6	19 037,3	24 619,7	31 781,8
July	11 835,6	17 093,1	17 119,8	27 379,8	20 008,6	25 749,8	27 995,2
August	11 858,7	17 573,1	17 753,4	26 404,2	20 276,0	25 750,4	30 334,4
September	12 381,0	18 841,2	18 081,3	26 194,0	19 580,1	26 533,1	33 969,6
October	11 999,8	18 294,5	19 150,8	27 391,4	19 772,8	27 095,3	33 066,2
November	12 272,1	18 827,5	20 510,4	23 611,2	19 843,1	27 039,5	34 980,2
December	13 684,6	17 233,7	21 244,3	19 997,4	21 438,2	27 618,6	34 664,0

**Table 10 – Mineral sales at current prices by mineral group and mineral**

Mineral group and mineral	Value of sales for 2011 1/	Value of sales for December 2010	Value of sales for November 2011 1/	Value of sales for December 2011 1/	% change between December 2010 and December 2011
	R million	R million	R million	R million	
<b>Gold</b>	68 891,4	4 769,3	8 051,8	7 020,9	47,2
<b>Iron ore</b>	62 630,8	4 433,6	5 396,1	5 542,7	25,0
<b>Chromium ore</b>	8 537,0	617,5	680,5	656,8	6,4
<b>Copper</b>	5 432,8	568,0	428,9	396,5	-30,2
<b>Manganese ore</b>	10 191,9	970,7	761,4	1 216,6	25,3
<b>PGMs</b>	83 853,2	6 422,8	6 741,6	8 014,3	24,8
<b>Nickel</b>	6 402,2	594,3	585,7	553,6	-6,8
<b>Other metallic minerals</b>	11 109,3	852,8	1 708,6	773,2	-9,3
<b>Coal</b>	87 784,3	6 198,1	8 502,1	8 501,8	37,2
<b>Building materials</b>	7 705,8	430,9	798,0	589,3	36,8
<b>Other non-metallic minerals</b>	18 303,0	1 933,0	1 829,9	1 360,2	-29,6
<b>Total</b>	<b>370 841,6</b>	<b>27 790,9</b>	<b>35 484,6</b>	<b>34 625,9</b>	<b>24,6</b>

1/ Preliminary.

**Table 11 – Seasonally adjusted mineral sales at current prices by mineral group and mineral**

Mineral group and mineral	Value of sales for December 2010	Value of sales for November 2011	Value of sales for December 2011	% change between November and December 2011
	R million	R million	R million	
<b>Gold</b>	4 638,6	7 380,3	6 845,1	-7,3
<b>Iron ore</b>	4 634,9	5 397,9	5 871,1	8,8
<b>Chromium ore</b>	749,3	744,6	788,9	5,9
<b>Copper</b>	534,7	441,8	362,4	-18,0
<b>Manganese ore</b>	821,5	916,1	1 014,8	10,8
<b>PGMs</b>	6 375,0	6 906,6	8 004,0	15,9
<b>Nickel</b>	637,8	693,4	599,7	-13,5
<b>Other metallic minerals</b>	623,0	1 757,7	556,1	-68,4
<b>Coal</b>	6 217,5	8 228,2	8 543,9	3,8
<b>Building materials</b>	555,1	743,1	780,6	5,0
<b>Other non-metallic minerals</b>	1 831,2	1 770,5	1 297,4	-26,7
<b>Total</b>	<b>27 618,6</b>	<b>34 980,2</b>	<b>34 664,0</b>	<b>-0,9</b>

**Table 12 – Annual percentage change in the three-monthly value of mineral sales by mineral group and mineral**

Mineral group and mineral	% contribution to total mineral sales during October to December 2010	Value of sales for October to December 2010	Value of sales for October to December 2011	% change between October to December 2010 and October to December 2011	Contribution to the % change in the total value of mineral sales 1/	Difference in sales between October to December 2010 and October to December 2011
		R million	R million		% points	R million
Gold	17,5	14 364,7	21 967,1	52,9	9,2	7 602,4
Iron ore	16,6	13 675,0	16 457,5	20,3	3,4	2 782,5
Chromium ore	2,2	1 823,6	2 132,9	17,0	0,4	309,3
Copper	1,5	1 197,0	1 345,0	12,4	0,2	148,0
Manganese ore	4,0	3 283,1	2 953,3	-10,0	-0,4	-329,8
PGMs	22,7	18 667,2	20 737,3	11,1	2,5	2 070,1
Nickel	1,7	1 439,4	1 688,9	17,3	0,3	249,5
Other metallic minerals	2,4	1 986,2	3 664,3	84,5	2,0	1 678,1
Coal	23,4	19 278,9	25 702,0	33,3	7,8	6 423,1
Building materials	2,0	1 667,2	2 087,5	25,2	0,5	420,3
Other non-metallic minerals	6,0	4 918,6	4 774,7	-2,9	-0,2	-143,9
<b>Total</b>	<b>100,0</b>	<b>82 300,8</b>	<b>103 510,5</b>	<b>25,8</b>	<b>25,8</b>	<b>21 209,7</b>

1/ The contribution (percentage points) to the percentage change in sales is calculated by multiplying the percentage change of each mineral with the percentage contribution to total mineral sales during October to December 2010, divided by 100. Figures have been rounded off.

**Table 13 – Annual percentage change in the cumulative value of mineral sales by mineral group and mineral**

Mineral group and mineral	% contribution to total mineral sales during January to December 2010	Value of sales for January to December 2010	Value of sales for January to December 2011	% change between January to December 2010 and January to December 2011	Contribution to the % change in the total value of mineral sales 2/	Difference in sales between January to December 2010 and January to December 2011
		R million	R million		% points	R million
Gold	17,7	53 093,2	68 891,4	29,8	5,3	15 798,2
Iron ore	14,4	43 418,6	62 630,8	44,2	6,4	19 212,2
Chromium ore	2,2	6 597,3	8 537,0	29,4	0,6	1 939,7
Copper	1,5	4 369,0	5 432,8	24,3	0,4	1 063,8
Manganese ore	3,5	10 660,5	10 191,9	-4,4	-0,2	-468,6
PGMs	24,5	73 786,9	83 853,2	13,6	3,3	10 066,3
Nickel	2,0	5 984,9	6 402,2	7,0	0,1	417,3
Other metallic minerals	2,5	7 534,2	11 109,3	47,5	1,2	3 575,1
Coal	23,9	71 802,4	87 784,3	22,3	5,3	15 981,9
Building materials	2,3	6 877,3	7 705,8	12,0	0,3	828,5
Other non-metallic minerals	5,5	16 561,4	18 303,0	10,5	0,6	1 741,6
<b>Total</b>	<b>100,0</b>	<b>300 685,6</b>	<b>370 841,6</b>	<b>23,3</b>	<b>23,3</b>	<b>70 156,0</b>

2/ The contribution (percentage points) to the percentage change in sales is calculated by multiplying the percentage change of each mineral with the percentage contribution to total mineral sales during January to December 2010, divided by 100. Figures have been rounded off.

## Explanatory notes

<b>Introduction</b>	1	Statistics South Africa (Stats SA) publishes monthly mining production indices and mineral sales figures on the information furnished by the Department of Mineral Resources (DMR). Data in this release are presented by mineral group and mineral.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base year of the index of the volume of mining production is 2005=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.
	5	In order to improve timeliness, some information for the current month had to be 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.
<b>Purpose of the survey</b>	6	The monthly mining production and sales survey is conducted by the Department of Mineral Resources (DMR), covering all mining establishments operating in the South African economy. The results of this survey are used to calculate the 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.
<b>Scope of the survey</b>	7	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.
<b>Classification</b>	8	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities (SIC)</i> , Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities (ISIC)</i> with suitable adaptations for local conditions. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment. Statistics in this publication are presented according to mineral group and mineral.
<b>Statistical unit</b>	9	The statistical unit for the collection of information is the mining establishment. An establishment is the smallest economic unit that functions as a separate entity.
<b>Related publications</b>	10	Users may also wish to refer to the following publications which are available from Stats SA – <ul style="list-style-type: none"> <li>• <i>Bulletin of Statistics</i> issued quarterly; and</li> <li>• <i>SA Statistics</i> issued annually.</li> </ul>
<b>Rounding-off figures</b>	11	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.
<b>Historical data</b>	12	Historical data are available on the Stats SA webpage. Click on the following link: ( <a href="#">Mining time series data</a> ) to access the data electronically.

## Technical notes

- |  |           |   |
|--|-----------|---|
| <b>Index of the volume of mining production</b>          | <b>1</b>  | The index of the volume of mining production (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 2005. The production in the base period is set at 100.   |
| <b>Index weighting</b>                                   | <b>2</b>  | The weight of a mineral group is the ratio of the sales of a mineral group to the total sales 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.   |
|  | <b>3</b>  | The weights, which are used to aggregate minerals to mineral groups; and mineral groups to total mining, are based on the value of sales derived from detailed information for 2005 supplied by the Department of Mineral Resources (DMR).  |
| <b>Seasonal adjustment</b>                               | <b>4</b>  | 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. |
|  | <b>5</b>  | 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.   |
| <b>Trend cycle</b>                                       | <b>6</b>  | The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimate the underlying trend cycle.   |
| <b>Reliability of estimates</b>                          | <b>7</b>  | Figures for the latest 2 calendar years are preliminary.  |
| <b>Month-on-month percentage change</b>                  | <b>8</b>  | The month-on-month percentage change is the difference between the index/sales of the relevant month and the previous month expressed as a percentage of the latter.  |
| <b>Year-on-year (annual) percentage change</b>           | <b>9</b>  | The year-on-year percentage change is the change in the index/sales of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage of the latter.   |
| <b>Production index contribution (percentage points)</b> | <b>10</b> | The contribution (percentage points) of a mineral group or mineral to the percentage change in the total mining production for a given period is calculated by multiplying the difference in the index for each mineral group or mineral by the weight of the mineral group or mineral and then dividing by the previous period's total index.  |
| <b>Sales contribution (percentage points)</b>            | <b>11</b> | The contribution (percentage points) to the percentage change in total sales is calculated by multiplying the percentage change of each mineral group or mineral for a given period with its percentage contribution to total mineral sales of the previous period, divided by 100.   |

## Glossary

<b>Free-on-rail</b>	Free-on-rail relates to goods sold on the local market where no railage or road transport costs are involved.																
<b>Free-on-board</b>	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.																
<b>Industry</b>	An industry consists of a group of establishments engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>Standard Industrial Classification (SIC) of all Economic Activities</i> , Fifth Edition of January 1993.																
<b>PGMs – Platinum group metals</b>	Platinum group metals include platinum; iridium; osmiridium; palladium; rhodium; ruthenium and osmium.																
<b>Sales</b>	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.																
<b>Symbols and abbreviations</b>	<table border="0"> <tr> <td>DMR</td> <td>Department of Mineral Resources</td> </tr> <tr> <td>GDP</td> <td>Gross domestic product</td> </tr> <tr> <td>ISIC</td> <td>International Standard Industrial Classification</td> </tr> <tr> <td>PGMs</td> <td>Platinum group metals</td> </tr> <tr> <td>SIC</td> <td>Standard Industrial Classification of all Economic Activities</td> </tr> <tr> <td>SNA</td> <td>System of National Accounts</td> </tr> <tr> <td>Stats SA</td> <td>Statistics South Africa</td> </tr> <tr> <td>*</td> <td>Revised</td> </tr> </table>	DMR	Department of Mineral Resources	GDP	Gross domestic product	ISIC	International Standard Industrial Classification	PGMs	Platinum group metals	SIC	Standard Industrial Classification of all Economic Activities	SNA	System of National Accounts	Stats SA	Statistics South Africa	*	Revised
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*	Revised																

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