

Statistical release

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Mining: Production and sales (Preliminary)

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Enquiries:

User Information Services
Tel: (012) 310 8600 / 4892 /8390

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SUMMARY OF FINDINGS: MINING PRODUCTION AND MINERAL SALES

Table A – Selected key figures regarding total mining production for January 2010

Actual estimate	Base : 2005=100		
	January 2010	% change between January 2009 and January 2010	% change between November 2008 to January 2009 and November 2009 to January 2010
Physical volume of mining production index	76,9	7,7	0,6

Seasonally adjusted estimate	Base : 2005=100		
	January 2010	% change between December 2009 and January 2010	% change between August to October 2009 and November 2009 to January 2010
Physical volume of mining production index	89,8	3,3	3,3

Table B – Quarterly contribution of the mineral groups and minerals to the total seasonally adjusted mining production

Mineral groups and minerals	Base : 2005=100					
	Weights 2005	August to October 2009	November 2009 to January 2010	% change between August to October 2009 and November 2009 to January 2010	Difference between August to October 2009 and November 2009 to January 2010	Contribution (% points) to the % change in the total mining production 1/
Gold	17,2	65,3	62,1	-4,9	-3,2	-0,6
Iron ore	5,3	142,4	159,0	11,7	16,6	1,0
Chromium ore	1,3	99,8	110,1	10,3	10,3	0,2
Copper	1,8	69,3	57,5	-17,0	-11,8	-0,2
Manganese ore	1,5	97,1	132,4	36,4	35,3	0,6
PGMs	27,0	83,5	94,8	13,5	11,3	3,6
Nickel	2,8	82,3	83,9	1,9	1,6	0,1
Other metallic minerals	2,8	85,3	84,9	-0,5	-0,4	0,0
Diamonds	7,6	44,9	49,8	10,9	4,9	0,4
Coal	24,9	105,3	100,3	-4,7	-5,0	-1,5
Building materials	2,1	105,4	106,3	0,9	0,9	0,0
Other non-metallic minerals	5,7	61,2	58,2	-4,9	-3,0	-0,2
Total	100,0	85,4	88,2	3,3	2,8	3,3

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.

Key findings regarding mining production for January 2010

The index of total mining production was 7,7% higher in January 2010 compared with January 2009. The 7,7% increase in mining production year-on-year followed decreases of 2,3% in December 2009 and 2,2% in November 2009. This is the first positive annual growth since July 2009 (see Table 2).

The total mining production for the three months ended January 2010, after seasonal adjustment, increased by 3,3% compared with the previous three months. The production of platinum group metals (PGMs) was the main contributor (contributing 3,6 percentage points), while iron ore contributed 1,0 percentage point to the 3,3% increase (see Table B).

The actual estimated total mining production for the three months ended January 2010 increased by 0,6% compared with the three months ended January 2009 (see Table A).

Figure 1 shows the seasonally adjusted figures and trend series for the index of total mining production between January 2005 and January 2010.

Figure 1 – Monthly indices of physical volume of total mining production (Base: 2005=100)

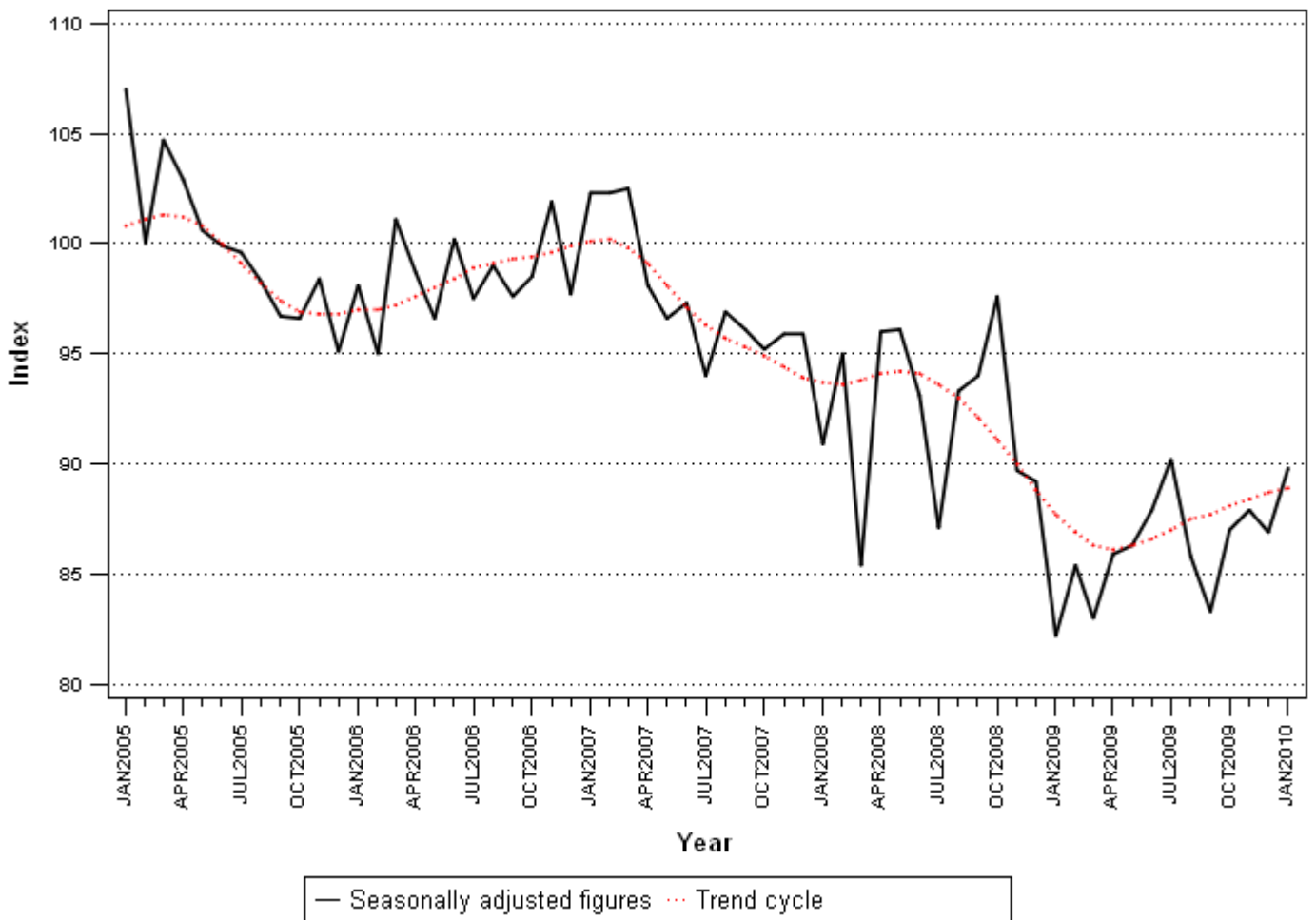


Table C – Selected key figures regarding the total value of mineral sales for December 2009

Actual estimate	December 2009	% change between December 2008 and December 2009	% change between October to December 2008 and October to December 2009	% change between January to December 2008 and January to December 2009
	R million			
Total value of mineral sales	20 925,9	3,3	-16,7	-22,7

Seasonally adjusted estimate	December 2009	% change between November and December 2009	% change between July to September 2009 and October to December 2009
	R million		
Total value of mineral sales	20 741,0	8,6	2,4

Table D – Contribution of the mineral groups and minerals to the seasonally adjusted quarterly growth in the total value of mineral sales (R million)

Mineral groups and minerals	% contribution to total mineral sales during July 2009 to September 2009	July to September 2009	October to December 2009	% change between July to September 2009 and October to December 2009	Contribution to the % change in the total value of mineral sales 1/	Difference between July to September 2009 and October to December 2009
		R million	R million			% points
Gold	20,9	12 036,3	12 834,1	6,6	1,4	797,8
Iron ore	12,5	7 196,0	5 358,2	-25,5	-3,2	-1 837,8
Chromium ore	1,4	791,9	891,5	12,6	0,2	99,6
Copper	1,4	811,6	1 289,8	58,9	0,8	478,2
Manganese ore	1,6	943,8	2 143,9	127,2	2,0	1 200,1
PGMs	24,8	14 264,0	15 469,7	8,5	2,1	1 205,7
Nickel	2,3	1 309,8	1 040,9	-20,5	-0,5	-268,9
Other metallic minerals	2,5	1 434,7	1 206,5	-15,9	-0,4	-228,2
Coal	23,4	13 428,7	14 106,1	5,0	1,2	677,4
Building materials	3,1	1 788,9	1 806,8	1,0	0,0	17,9
Other non-metallic minerals	6,0	3 456,1	2 706,7	-21,7	-1,3	-749,4
Total	100,0	57 461,8	58 854,2	2,4	2,4	1 392,4

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 2009, divided by 100. Figures have been rounded off.

Key findings regarding mineral sales for December 2009

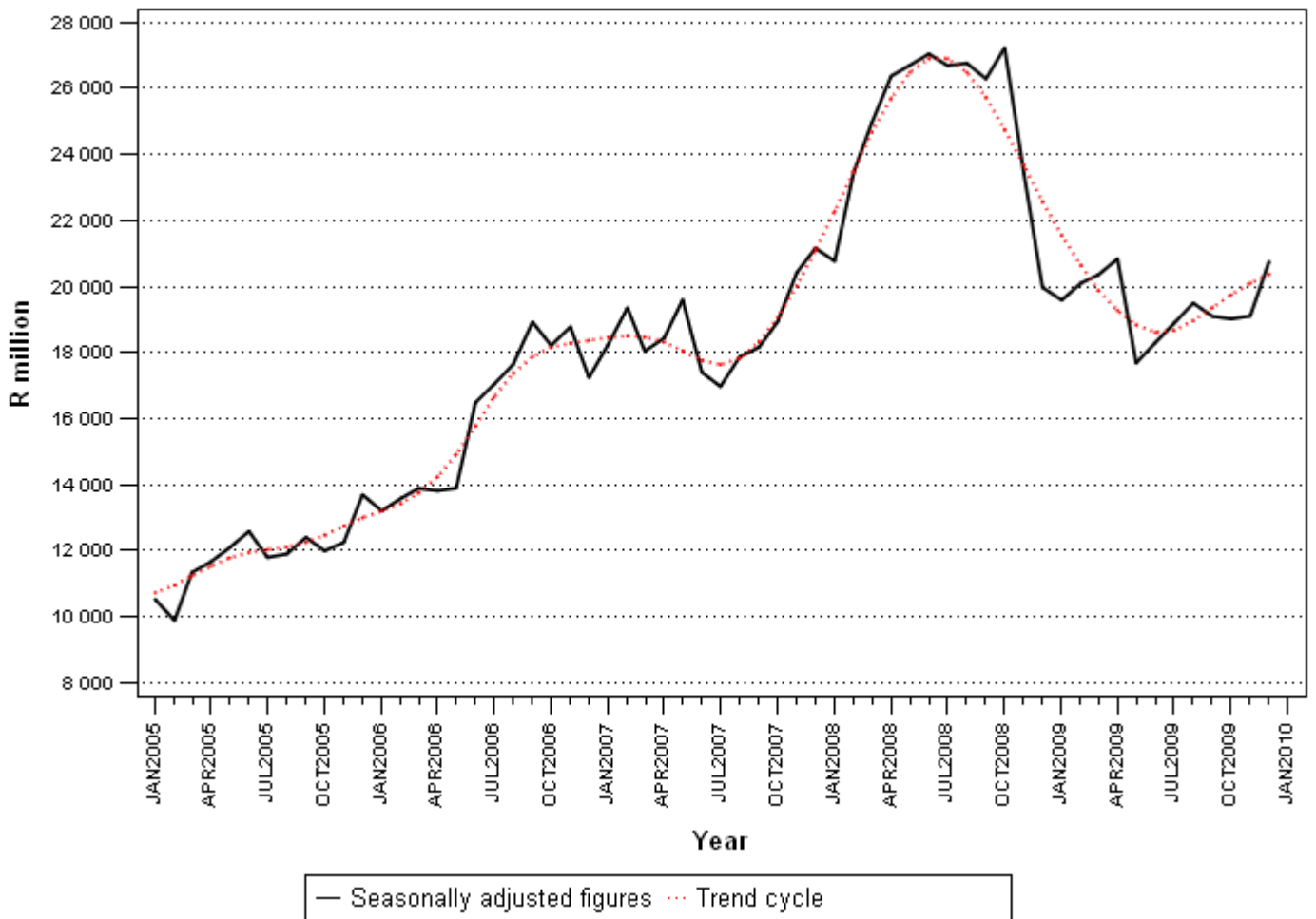
The total value of mineral sales was 22,7% lower in 2009 compared with 2008, following increases of 34,0% in 2008 and 15,9% in 2007 (see Table 8).

The major contributors to the annual decrease of 22,7% in 2009 were PGMs (contributing -11,2 percentage points or -R33 565,4 million), coal (contributing -5,4 percentage points or -R16 319,2 million) and manganese ore (contributing -3,9 percentage points or -R11 762,8 million). However, the value of iron ore and gold sales increased in 2009 and contributed 1,6 percentage points and 0,9 of a percentage point respectively to the annual 22,7% decrease (see Table 13).

The total seasonally adjusted value of mineral sales at current prices for the fourth quarter 2009 reflected an increase of 2,4% compared with the previous quarter. The increase of 2,4% (R1 392,4 million) was mainly due to increases in the sales value of PGMs (contributing 2,1 percentage points or R1 205,7 million), manganese ore (contributing 2,0 percentage points or R1 200,1 million) and gold (contributing 1,4 percentage points or R797,8 million) (see Table D).

Figure 2 shows the seasonally adjusted figures and trend series of the total value of mineral sales between January 2005 and December 2009.

Figure 2 – Total value of mineral sales



P J Lehohla
Statistician-General

Detailed results: Tables

Table 1 – Total index of the physical volume of mining production: 2004 – 2010

Month	Base : 2005=100						
	2004	2005	2006	2007	2008	2009	2010 1/
January	90,2	97,1	87,7	90,1	79,0	71,4	76,9
February	87,6	90,4	85,2	90,8	83,6	74,7	
March	101,1	104,8	101,7	102,9	85,6	83,7	
April	94,1	99,2	94,8	93,9	91,4	81,3	
May	101,2	102,7	98,7	99,0	98,1	88,7	
June	99,5	104,0	104,9	102,6	98,4	93,2	
July	107,0	101,4	99,4	96,0	89,4	92,5	
August	102,4	102,8	103,7	101,6	97,5	89,5	
September	105,1	103,1	105,1	104,5	102,3	90,2	
October	96,9	98,5	100,2	97,0	99,0	88,3	
November	98,6	100,4	104,2	98,6	92,4	90,4	
December	101,5	95,7	98,9	96,8	90,7	88,6	
Year	98,8	100,0	98,7	97,8	92,3	86,0	

1/ Preliminary.

Table 2 – Annual percentage change in the index of the physical volume of mining production: 2004 – 2010

Month	Percentage change 2/						
	2004	2005	2006	2007	2008	2009	2010
January	18,3	7,7	-9,7	2,7	-12,4	-9,6	7,7
February	-3,8	3,2	-5,7	6,5	-7,9	-10,6	
March	11,0	3,6	-3,0	1,2	-16,8	-2,2	
April	4,0	5,5	-4,4	-1,0	-2,6	-11,0	
May	5,5	1,4	-3,9	0,3	-0,9	-9,6	
June	2,3	4,6	0,9	-2,2	-4,1	-5,3	
July	7,9	-5,2	-2,0	-3,4	-6,8	3,4	
August	4,7	0,4	0,9	-2,0	-4,0	-8,2	
September	2,5	-1,9	2,0	-0,6	-2,1	-11,8	
October	-5,5	1,7	1,7	-3,2	2,1	-10,8	
November	1,3	1,9	3,7	-5,3	-6,3	-2,2	
December	-0,2	-5,8	3,4	-2,1	-6,3	-2,3	
Year	3,7	1,3	-1,3	-0,9	-5,6	-6,8	

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

Table 3 – Total seasonally adjusted index of the physical volume of total mining production: 2004 – 2010

Month	Base : 2005=100						
	2004	2005	2006	2007	2008	2009	2010
January	101,1	107,0	98,1	102,3	90,9	82,2	89,8
February	99,0	100,0	95,0	102,3	95,0	85,4	
March	101,1	104,7	101,1	102,5	85,4	83,0	
April	97,4	102,9	98,7	98,1	96,0	85,9	
May	99,4	100,6	96,6	96,6	96,1	86,3	
June	96,6	99,9	100,2	97,3	93,1	87,9	
July	105,9	99,6	97,5	94,0	87,1	90,2	
August	99,9	98,3	99,0	96,9	93,3	85,8	
September	100,3	96,7	97,6	96,1	94,0	83,3	
October	96,7	96,6	98,5	95,2	97,6	87,0	
November	98,6	98,4	101,9	95,9	89,7	87,9	
December	101,3	95,1	97,7	95,9	89,2	86,9	

Table 4 – Indices of the physical volume of mining production according to mineral groups and minerals

Mineral groups and minerals	Base : 2005=100					% change between January 2009 and January 2010
	Weights 2005	Average for 2009	January 2009 *	December 2009 1/	January 2010 1/	
Gold	17,2	66,7	61,4	63,5	50,2	-18,2
Iron ore	5,3	140,2	126,4	161,6	156,1	23,5
Chromium ore	1,3	90,2	35,7	86,2	99,6	179,0
Copper	1,8	85,4	97,8	57,9	56,5	-42,2
Manganese ore	1,5	99,0	73,4	139,9	125,0	70,3
PGMs	27,0	89,2	65,0	110,8	76,0	16,9
Nickel	2,8	81,6	49,5	85,3	81,7	65,1
Other metallic minerals	2,8	85,3	85,9	65,6	87,3	1,6
Diamonds	7,6	39,3	23,6	38,8	37,5	58,9
Coal	24,9	102,0	89,0	91,0	90,3	1,5
Building materials	2,1	103,9	78,0	82,9	85,8	10,0
Other non-metallic minerals	5,7	63,2	68,5	58,7	60,5	-11,7
Total	100,0	86,0	71,4	88,6	76,9	7,7

1/ Preliminary.

* Revised.

Table 5 – Seasonally adjusted indices of the physical volume of mining production according to mineral groups and minerals

Mineral groups and minerals	Base : 2005=100				% change between December 2009 and January 2010
	Weights 2005	January 2009	December 2009	January 2010	
Gold	17,2	69,9	64,0	57,3	-10,5
Iron ore	5,3	132,8	154,1	164,7	6,9
Chromium ore	1,3	41,0	104,0	115,3	10,9
Copper	1,8	99,9	56,0	57,4	2,5
Manganese ore	1,5	81,9	132,8	141,1	6,2
PGMs	27,0	82,8	93,0	98,3	5,7
Nickel	2,8	55,7	79,3	91,7	15,6
Other metallic minerals	2,8	88,8	66,9	90,3	35,0
Diamonds	7,6	31,9	47,6	51,5	8,2
Coal	24,9	99,7	99,7	101,4	1,7
Building materials	2,1	100,8	110,0	111,0	0,9
Other non-metallic minerals	5,7	68,0	61,0	60,0	-1,6
Total	100,0	82,2	86,9	89,8	3,3

Table 6 – Annual percentage change in the quarterly physical volume of mining production according to mineral groups and minerals: 2009 vs 2010

Mineral groups and minerals	Base : 2005=100					
	Weights 2005	November 2008 to January 2009	November 2009 to January 2010	% change between November 2008 to January 2009 and November 2009 to January 2010	Difference between November 2008 to January 2009 and November 2009 to January 2010	Contribution (% points) to the % change in the total mining production 1/
Gold	17,2	67,3	59,8	-11,1	-7,5	-1,5
Iron ore	5,3	129,6	155,3	19,8	25,7	1,6
Chromium ore	1,3	70,4	100,1	42,2	29,7	0,5
Copper	1,8	100,6	58,0	-42,3	-42,6	-0,9
Manganese ore	1,5	112,2	130,6	16,4	18,4	0,3
PGMs	27,0	90,6	95,1	5,0	4,5	1,4
Nickel	2,8	68,0	84,1	23,7	16,1	0,5
Other metallic minerals	2,8	87,4	83,5	-4,5	-3,9	-0,1
Diamonds	7,6	47,4	43,9	-7,4	-3,5	-0,3
Coal	24,9	95,1	94,8	-0,3	-0,3	-0,1
Building materials	2,1	92,6	91,3	-1,4	-1,3	0,0
Other non-metallic minerals	5,7	69,0	57,0	-17,4	-12,0	-0,8
Total	100,0	84,8	85,3	0,6	0,5	0,6

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 – Total value of mineral sales (R million): 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009 1/
January	9 868,8	9 820,5	9 587,4	11 755,1	15 692,9	17 442,2	16 533,6
February	10 236,5	9 576,1	9 383,8	12 680,8	17 928,6	21 737,4	19 176,5
March	9 829,3	10 396,0	11 477,1	14 179,9	18 555,2	25 894,1	21 365,3
April	9 294,1	9 789,3	11 034,0	13 042,6	17 447,8	25 520,6	20 005,8
May	9 104,1	10 373,3	12 239,8	14 046,8	19 841,6	26 737,6	17 733,3
June	9 745,9	10 856,0	13 360,1	17 809,8	19 033,2	29 881,0	19 619,0
July	10 403,7	10 844,2	12 001,8	17 614,8	17 449,4	27 164,7	19 293,6
August	9 612,0	9 841,7	11 687,6	17 339,2	17 890,4	27 064,3	19 407,5
September	10 008,1	11 693,2	13 524,1	20 586,6	19 619,7	27 830,7	19 959,3
October	9 989,4	10 466,3	12 074,8	18 031,0	18 713,7	27 191,4	19 167,4
November	9 535,8	10 815,6	12 453,2	18 918,2	20 674,4	23 991,0	19 392,7
December	9 899,2	10 585,6	13 994,2	17 584,7	21 590,8	20 259,5	20 925,9
Year	117 526,9	125 057,8	142 817,9	193 589,5	224 437,7	300 714,5	232 579,9

1/ Preliminary.

Table 8 – Annual percentage change in the total value of mineral sales: 2003 – 2009

Month	Percentage change 2/						
	2003	2004	2005	2006	2007	2008	2009
January	-13,3	-0,5	-2,4	22,6	33,5	11,1	-5,2
February	-3,7	-6,5	-2,0	35,1	41,4	21,2	-11,8
March	-15,6	5,8	10,4	23,5	30,9	39,6	-17,5
April	-17,0	5,3	12,7	18,2	33,8	46,3	-21,6
May	-25,0	13,9	18,0	14,8	41,3	34,8	-33,7
June	-16,3	11,4	23,1	33,3	6,9	57,0	-34,3
July	-3,5	4,2	10,7	46,8	-0,9	55,7	-29,0
August	-17,4	2,4	18,8	48,4	3,2	51,3	-28,3
September	-17,4	16,8	15,7	52,2	-4,7	41,9	-28,3
October	-20,2	4,8	15,4	49,3	3,8	45,3	-29,5
November	-13,8	13,4	15,1	51,9	9,3	16,0	-19,2
December	-8,0	6,9	32,2	25,7	22,8	-6,2	3,3
Year	-14,5	6,4	14,2	35,5	15,9	34,0	-22,7

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

Table 9 – Seasonally adjusted total value of mineral sales (R million): 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009
January	10 037,3	10 313,8	10 516,3	13 200,0	18 240,1	20 762,8	19 580,2
February	10 492,0	9 939,9	9 880,1	13 577,0	19 346,7	23 477,5	20 094,2
March	9 911,5	10 444,1	11 330,1	13 875,1	18 036,9	24 957,3	20 349,4
April	9 850,4	10 397,8	11 662,4	13 810,0	18 428,3	26 363,8	20 830,1
May	9 085,2	10 357,7	12 086,7	13 881,4	19 593,0	26 692,0	17 675,8
June	9 313,5	10 336,0	12 579,0	16 477,4	17 393,9	27 037,3	18 293,3
July	10 435,4	10 764,6	11 788,9	17 031,4	16 966,5	26 684,9	18 878,2
August	9 725,9	9 906,3	11 893,3	17 637,7	17 863,3	26 757,6	19 491,1
September	9 458,7	10 816,4	12 397,1	18 918,8	18 154,3	26 284,3	19 092,5
October	9 842,2	10 319,2	11 988,4	18 210,2	18 925,4	27 224,1	19 010,2
November	9 619,7	10 772,1	12 248,3	18 772,5	20 417,4	23 427,9	19 103,0
December	9 705,4	10 396,2	13 689,8	17 239,3	21 156,9	19 970,8	20 741,0

Table 10 – Estimated actual value of mineral sales according to mineral groups and minerals (R million)

Mineral groups and minerals	Value of sales for 2009	Value of sales for December 2008	1/ Value of sales for November 2009	1/ Value of sales for December 2009	% change between December 2008 and December 2009
	R million	R million	R million	R million	
Gold	48 709,9	4 554,6	4 460,7	4 242,2	-6,9
Iron ore	27 138,9	2 309,6	1 320,4	1 914,6	-17,1
Chromium ore	3 210,2	139,9	286,6	256,1	83,1
Copper	3 858,6	237,6	303,1	472,0	98,7
Manganese ore	5 580,8	926,9	488,4	874,4	-5,7
PGMs	57 787,0	3 929,8	5 478,9	5 610,8	42,8
Nickel	4 201,2	113,7	312,0	407,0	258,0
Other metallic minerals	4 504,3	560,0	316,8	679,5	21,3
Coal	56 575,2	6 327,8	4 882,8	4 863,7	-23,1
Building materials	6 968,2	446,6	612,7	501,9	12,4
Other non-metallic minerals	14 044,8	713,2	930,4	1 103,6	54,7
Total	232 579,9	20 259,5	19 392,7	20 925,9	3,3

1/ Preliminary.

Table 11 – Seasonally adjusted value of mineral sales according to mineral groups and minerals (R million)

Mineral groups and minerals	Value of sales for December 2008	Value of sales for November 2009	Value of sales for December 2009	% change between November and December 2009
	R million	R million	R million	
Gold	4 595,0	4 399,8	4 310,0	-2,0
Iron ore	2 203,7	1 191,2	1 848,2	55,2
Chromium ore	170,5	298,9	315,5	5,6
Copper	312,8	265,6	632,1	138,0
Manganese ore	879,5	629,3	825,7	31,2
PGMs	3 867,5	5 663,9	5 537,0	-2,2
Nickel	110,7	343,3	387,4	12,8
Other metallic minerals	461,6	272,1	553,6	103,5
Coal	6 180,6	4 618,0	4 754,7	3,0
Building materials	579,0	581,1	640,4	10,2
Other non-metallic minerals	609,9	839,8	936,4	11,5
Total	19 970,8	19 103,0	20 741,0	8,6

Table 12 – Annual percentage change in the quarterly value of mineral sales according to mineral groups and minerals (R million): 2008 vs 2009

Mineral groups and minerals	% contribution to total mineral sales during October to December 2008	Value of sales for October to December 2008	Value of sales for October to December 2009	% change between October to December 2008 and October to December 2009	Contribution to the % change in the total value of mineral sales 1/	Difference in sales between October to December 2008 and October to December 2009
		R million	R million		% points	R million
Gold	18,4	13 129,9	13 014,1	-0,9	-0,2	-115,8
Iron ore	10,1	7 197,5	5 570,7	-22,6	-2,3	-1 626,8
Chromium ore	1,5	1 050,9	836,7	-20,4	-0,3	-214,2
Copper	1,5	1 078,9	1 200,2	11,2	0,2	121,3
Manganese ore	4,1	2 918,2	1 928,2	-33,9	-1,4	-990,0
PGMs	22,3	15 898,6	14 948,5	-6,0	-1,3	-950,1
Nickel	0,8	600,8	1 001,6	66,7	0,5	400,8
Other metallic minerals	2,3	1 643,5	1 388,9	-15,5	-0,4	-254,6
Coal	29,0	20 725,3	14 815,2	-28,5	-8,3	-5 910,1
Building materials	2,4	1 742,0	1 749,8	0,4	0,0	7,8
Other non-metallic minerals	7,6	5 456,4	3 032,1	-44,4	-3,4	-2 424,3
Total	100,0	71 441,9	59 486,0	-16,7	-16,7	-11 955,9

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 2008, divided by 100. Figures have been rounded off.

Table 13 – Annual percentage change in the cumulative value of mineral sales according to mineral groups and minerals (R million): 2008 vs 2009

Mineral groups and minerals	% contribution to total mineral sales during January to December 2008	Value of sales for January to December 2008	Value of sales for January to December 2009	% change between January to December 2008 and January to December 2009	Contribution to the % change in the total value of mineral sales 2/	Difference in sales between January to December 2008 and January to December 2009
		R million	R million		% points	R million
Gold	15,3	45 992,1	48 709,9	5,9	0,9	2 717,8
Iron ore	7,4	22 241,7	27 138,9	22,0	1,6	4 897,2
Chromium ore	1,8	5 408,5	3 210,2	-40,6	-0,7	-2 198,3
Copper	1,9	5 627,9	3 858,6	-31,4	-0,6	-1 769,3
Manganese ore	5,8	17 343,6	5 580,8	-67,8	-3,9	-11 762,8
PGMs	30,4	91 352,4	57 787,0	-36,7	-11,2	-33 565,4
Nickel	1,7	5 255,8	4 201,2	-20,1	-0,3	-1 054,6
Other metallic minerals	2,0	5 875,5	4 504,3	-23,3	-0,5	-1 371,2
Coal	24,2	72 894,4	56 575,2	-22,4	-5,4	-16 319,2
Building materials	2,3	6 908,1	6 968,2	0,9	0,0	60,1
Other non-metallic minerals	7,3	21 814,6	14 044,8	-35,6	-2,6	-7 769,8
Total	100,0	300 714,5	232 579,9	-22,7	-22,7	-68 134,6

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 2008, divided by 100. Figures have been rounded off.

Explanatory notes

Introduction	1	<p>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 Department of Mineral Resources (DMR). 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 mineral groups and minerals on a monthly basis.</p>
	2	<p>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 is currently 2005=100. Both actual and seasonally adjusted figures are presented.</p>
	3	<p>Due to mining production figures being available earlier than mineral sales figures, mining production indices are published one month earlier than mineral sales.</p>
	4	<p>The value of mineral sales is calculated, in general, on a free-on-rail/free-on-board basis.</p>
	5	<p>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.</p>
Purpose of the survey	6	<p>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 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.</p>
Scope of the survey	7	<p>This survey covers mining establishments conducting activities regarding</p> <ul style="list-style-type: none"> • The extracting, dressing and beneficiating of minerals occurring naturally, for example solids such as coal and ores.
Classification	8	<p>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 groups and minerals.</p>
Statistical unit	9	<p>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 (see paragraph 8).</p>
Weighting	10	<p>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 2005 supplied by the Department of Mineral Resources (DMR).</p>

Seasonal adjustment	11	<p>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.</p> <p>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.</p>																
Reliability of estimates	12	<p>Figures for the latest calendar year are preliminary.</p>																
Historical data	13	<p>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 1998 to September 2009 is available in the statistical release P2041, entitled <i>Mining: Production and sales (Preliminary)</i>, published on 12 November 2009 and is available on the Stats SA website: www.statssa.gov.za</p>																
Related publications	14	<p>Users may also wish to refer to the following publications which are available from Stats SA -</p> <ul style="list-style-type: none"> • <i>Bulletin of Statistics.</i> • <i>SA Statistics.</i> 																
Rounding-off of figures	15	<p>Where necessary, the figures in the tables have 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.</p>																
Symbols and abbreviations	16	<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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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	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 2005. 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 <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.
PGMs - Platinum group metals	Platinum group metals include platinum; iridium; osmiridium; palladium; rhodium; ruthenium and osmium.
Sales	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 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. The current weights that are being used are based on the total value of mineral sales for 2005.

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General enquiries

Telephone number (012) 317 8485 (technical inquiries)
(012) 310 2965/ 8220 (technical enquiries)
(012) 310 8358 (orders)
(012) 310 4883/ 4885/ 8018 (library)

Fax number: (012) 310 8664 (technical enquiries)

Email: martin.kohler@dme.gov.za (technical enquiries)
juan-pierret@statssa.gov.za (technical enquiries)
info@statssa.gov.za (user information services)
magdaj@statssa.gov.za (orders)

Postal address: Private Bag X44, Pretoria, 0001