



stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

Private Bag X44, Pretoria, 0001, South Africa, ISibalo House, Koch Street, Salvokop, Pretoria, 0002
www.statssa.gov.za, info@statssa.gov.za, Tel +27 12 310 8911

STATISTICAL RELEASE

P2041

Mining: Production and sales (Preliminary)

October 2021

Please note that the weights for mining production have been updated with effect from 2015, and the production index (total mining) has been revised accordingly. Please see the note on page 4 for further information, including comparisons of the previous and revised results.

**Embargoed until:
9 December 2021
11:30**

ENQUIRIES:
Juan-Pierre Terblanche
Tel: 072 901 1222

FORTHCOMING ISSUE:
November 2021

EXPECTED RELEASE DATE:
18 January 2022

Contents

Production: results for October 2021.....	2
Table A – Key growth rates in the volume of mining production.....	2
Table B – Seasonally adjusted index of the volume of mining production for the latest three months by mineral group and mineral (Base: 2015=100).....	2
Figure 1 – Volume of mining production (Base: 2015=100)	3
Figure 2 – Volume of mining production (Base: 2015=100): year-on-year percentage change.....	3
Note – Reweighting of mining production.....	4
Table C – Weights for the mineral groups and minerals.....	4
Figure 3 – Volume of total mining production based on previous weights and new weights (Base: 2015=100).....	5
Figure 4 – Comparison of the annual growth rates (% change) for mining production based on the previous weights and new weights.....	5
Sales: results for October 2021.....	6
Table D – Key growth rates in mineral sales at current prices	6
Figure 5 – Total value of mineral sales at current prices	6
Tables.....	7
Table 1 – Index of the volume of mining production (Base: 2015=100)	7
Table 2 – Year-on-year percentage change in the volume of mining production	7
Table 3 – Seasonally adjusted volume of total mining production.....	7
Table 4 – Index of the volume of mining production by mineral group and mineral (Base: 2015=100)	8
Table 5 – Seasonally adjusted index of the volume of mining production by mineral group and mineral (Base: 2015=100)	8
Table 6 – Year-on-year percentage change in the volume of mining production by mineral group and mineral	9
Table 7 – Contribution of each mineral group and mineral to the year-on-year percentage change in the volume of mining production (percentage points)	9
Table 8 – Mineral sales at current prices (R million).....	10
Table 9 – Year-on-year percentage change in mineral sales at current prices	10
Table 10 – Seasonally adjusted total mineral sales at current prices.....	10
Table 11 – Mineral sales at current prices by mineral group and mineral (R million).....	11
Table 12 – Year-on-year percentage change in mineral sales at current prices by mineral group and mineral	11
Table 13 – Contribution of each mineral group and mineral to the year-on-year percentage change in mineral sales at current prices (percentage points)	11
Survey information.....	12
Technical notes	13
Glossary.....	14
Technical enquiries.....	14
General information	15

Production: results for October 2021

Table A – Key growth rates in the volume of mining production

	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Year-on-year % change, unadjusted	23,7	21,8	9,5	3,4	-0,8	2,1
Month-on-month % change, seasonally adjusted	-5,6	-1,7	2,7	0,8	-4,4	3,4
3-month % change, seasonally adjusted ¹	7,6	2,8	-2,3	-2,5	-1,4	0,1

¹ Percentage change between the previous three months and the three months ending in the month indicated.

Mining production increased by 2,1% year-on-year in October 2021. The largest positive contributors were:

- PGMs (24,0% and contributing 5,5 percentage points);
- chromium ore (28,7% and contributing 0,9 of a percentage point); and
- iron ore (11,5% and contributing 0,8 of a percentage point).

Coal (-9,9% and contributing -2,8 percentage points) was a significant negative contributor – see Tables 6 and 7.

Seasonally adjusted mining production increased by 3,4% in October 2021 compared with September 2021. This followed month-on-month changes of -4,4% in September 2021 and 0,8% in August 2021.

Table B – Seasonally adjusted index of the volume of mining production for the latest three months by mineral group and mineral (Base: 2015=100)

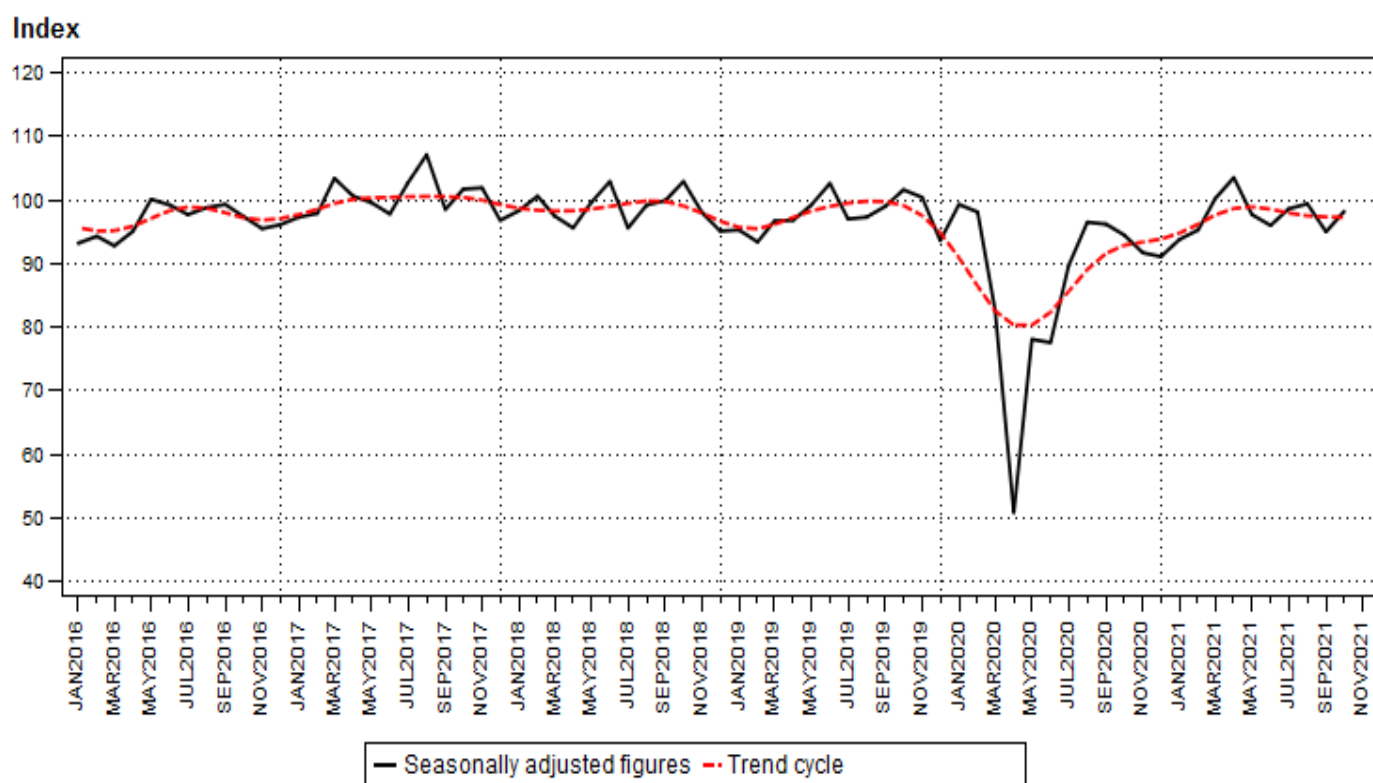
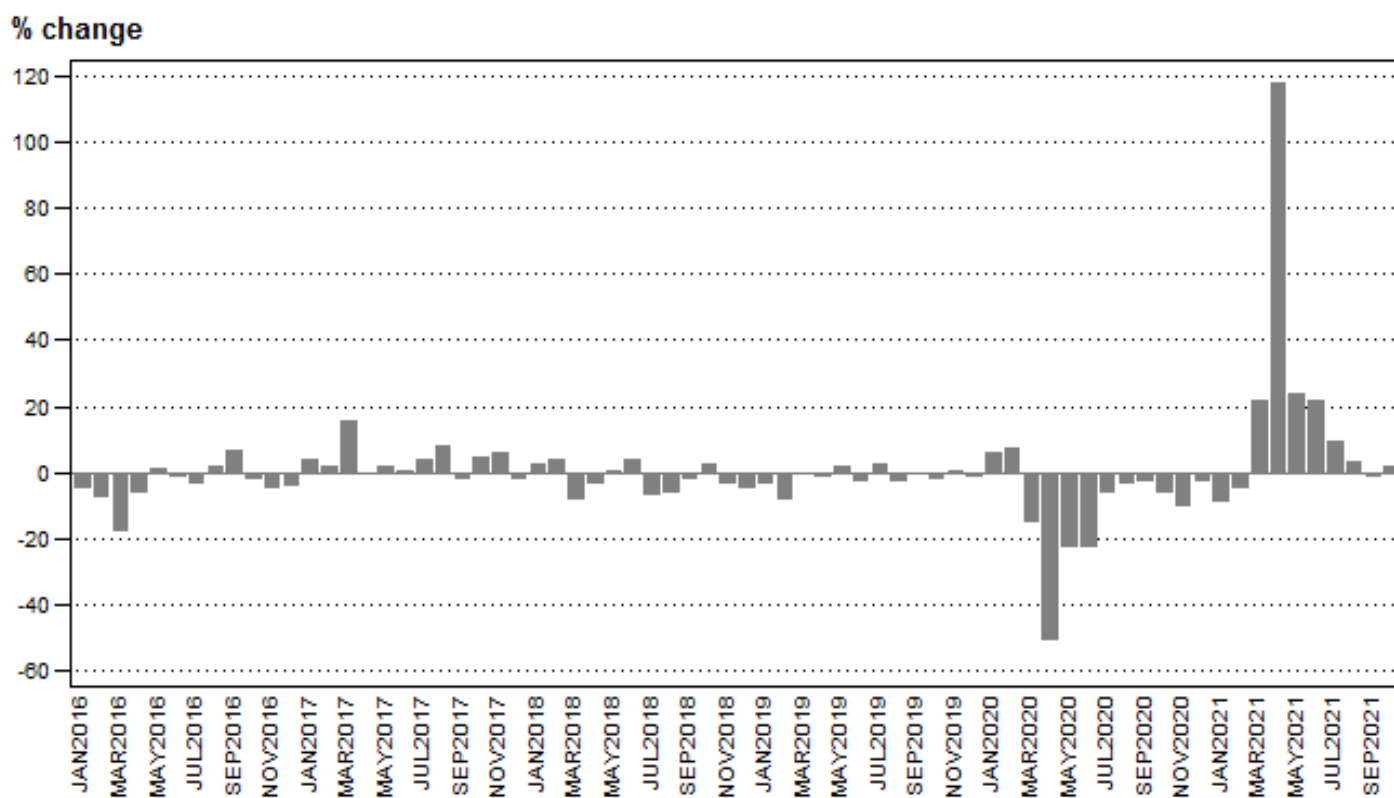
Mineral group and mineral	Weight	May – Jul 2021	Aug – Oct 2021	% change between May – Jul 2021 and Aug – Oct 2021	Contribution (% points) to the % change in total mining production
Gold	18,93	74,7	72,2	-3,3	-0,5
Iron ore	10,22	99,3	103,3	4,0	0,4
Chromium ore	3,21	123,7	120,6	-2,5	-0,1
Copper ¹	0,94	33,6	37,3	11,0	0,0
Manganese ore ²	5,55	186,2	179,0	-3,9	-0,4
PGMs	22,68	101,6	103,1	1,5	0,3
Nickel ²	1,23	53,0	54,8	3,4	0,0
Other metallic minerals ¹	2,05	115,6	116,3	0,6	0,0
Diamonds ²	3,49	107,8	131,3	21,8	0,8
Coal	27,56	90,3	88,4	-2,1	-0,5
Building materials	3,35	89,3	88,1	-1,3	0,0
Other non-metallic minerals ¹	0,80	110,8	111,0	0,2	0,0
Total	100,00	97,4	97,5	0,1	0,1

¹ Adjusted for calendar effects only. See notes 4, 5 and 6 on page 13.

² Unadjusted.

Seasonally adjusted mining production increased by 0,1% in the three months ended October 2021 compared with the previous three months. The largest positive contributors were:

- diamonds (21,8% and contributing 0,8 of a percentage point);
- iron ore (4,0% and contributing 0,4 of a percentage point); and
- PGMs (1,5% and contributing 0,3 of a percentage point) – see Table B.

Figure 1 – Volume of mining production (Base: 2015=100)**Figure 2 – Volume of mining production (Base: 2015=100): year-on-year percentage change**

Note – Reweighting of mining production

Introduction

Statistics South Africa publishes monthly information regarding the mining industry based on the mining production and mineral sales figures provided by the Department of Mineral Resources and Energy. This statistical release contains detailed information regarding indices of the volume of mining production and the total value of mineral sales according to mineral groups and minerals on a monthly basis. The results of the mining production indices published today contain changes related to reweighting.

Reweighting

New high-level weights for the mineral groups and minerals have been calculated using value added from the latest rebasing and benchmarking of the national accounts, published on 25 August 2021. The new (updated) weights for mining production have been implemented from January 2015. The first available three-year moving average based on the new and fully balanced supply and use tables is for the period 2013 – 2015. The existing base year of 2015 for mining production (which is also the new base year for the national accounts) serves as a linking year for mining production because its average is 100 using previous weights and using new (updated) weights.

The new weights are shown in Table C. The high-level weights are calculated as a three-year average of value added, e.g. the weights for 2016 are the average of value added for the three years 2014 – 2016, and the weights for 2017 are the average of value added for 2015 – 2017. The weights for 2018 (average for 2016 – 2018) are carried forward in subsequent years until final value added information for 2019 becomes available from the national accounts supply and use tables. The change in weights between 2014 and 2015 is larger than usual because of the latest national accounts rebasing and benchmarking (and the corresponding updating of weights from January 2015), but as stated above, the 2015 base year provides a smooth link (2015 = 100 on previous and new weights). For the previous sets of weights, view the August 2020 release at: <http://www.statssa.gov.za/August2020.pdf>

The impact of the implementation of the new weights on the mining production index is illustrated in Figures 3 and 4.

Table C – Weights for the mineral groups and minerals

Mineral group and mineral	2014 (based on value added for 2012 – 2014)	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 – 2021 (based on value added for 2016 – 2018)
Gold	16,25	18,66	19,88	20,10	18,93
Iron ore	14,86	15,01	13,06	10,58	10,22
Chromium ore	2,63	1,45	1,99	2,91	3,21
Copper	1,27	1,61	1,48	1,24	0,94
Manganese ore	3,09	2,92	3,27	4,30	5,55
PGMs	21,82	25,58	24,97	24,57	22,68
Nickel	1,88	1,61	1,62	1,43	1,23
Other metallic minerals	2,88	2,28	2,13	2,07	2,05
Diamonds	3,59	3,63	3,69	3,54	3,49
Coal	25,04	22,98	23,81	25,33	27,56
Building materials	1,65	3,51	3,44	3,33	3,35
Other non-metallic minerals	5,04	0,75	0,65	0,62	0,80
Total	100	100	100	100	100

Figure 3 – Volume of total mining production based on previous weights and new weights (Base: 2015=100)

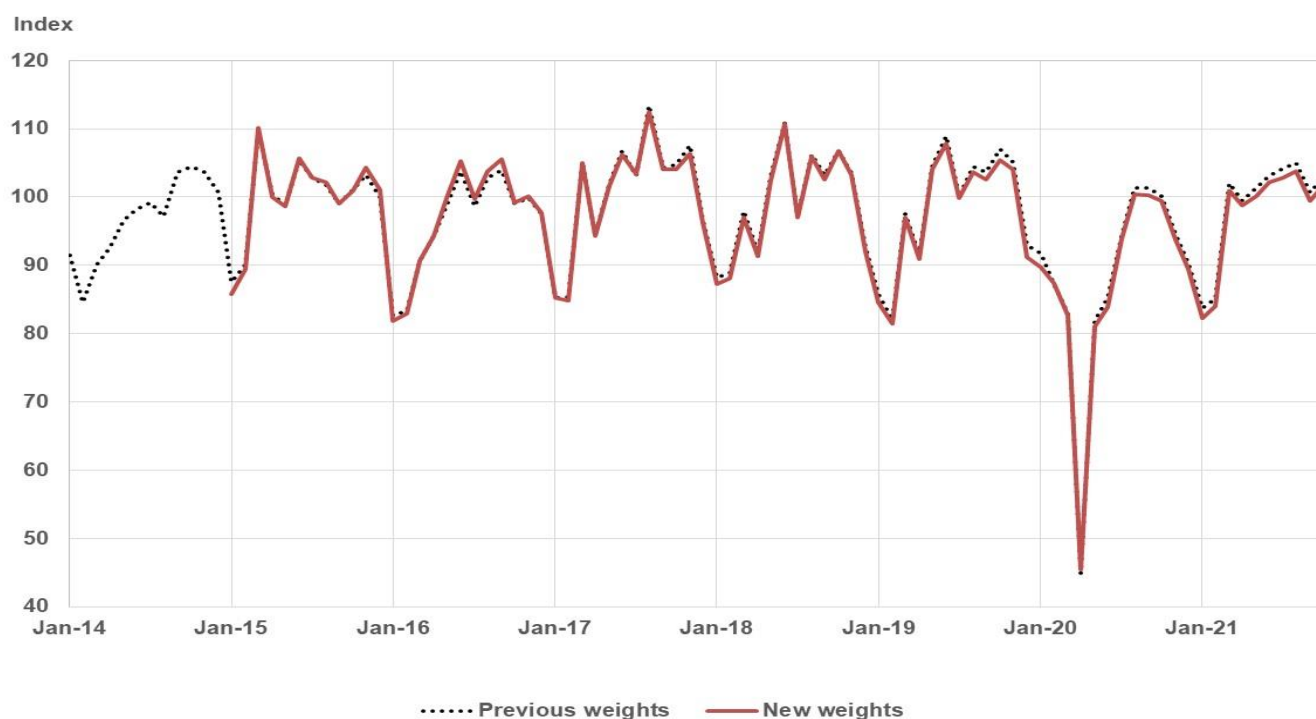
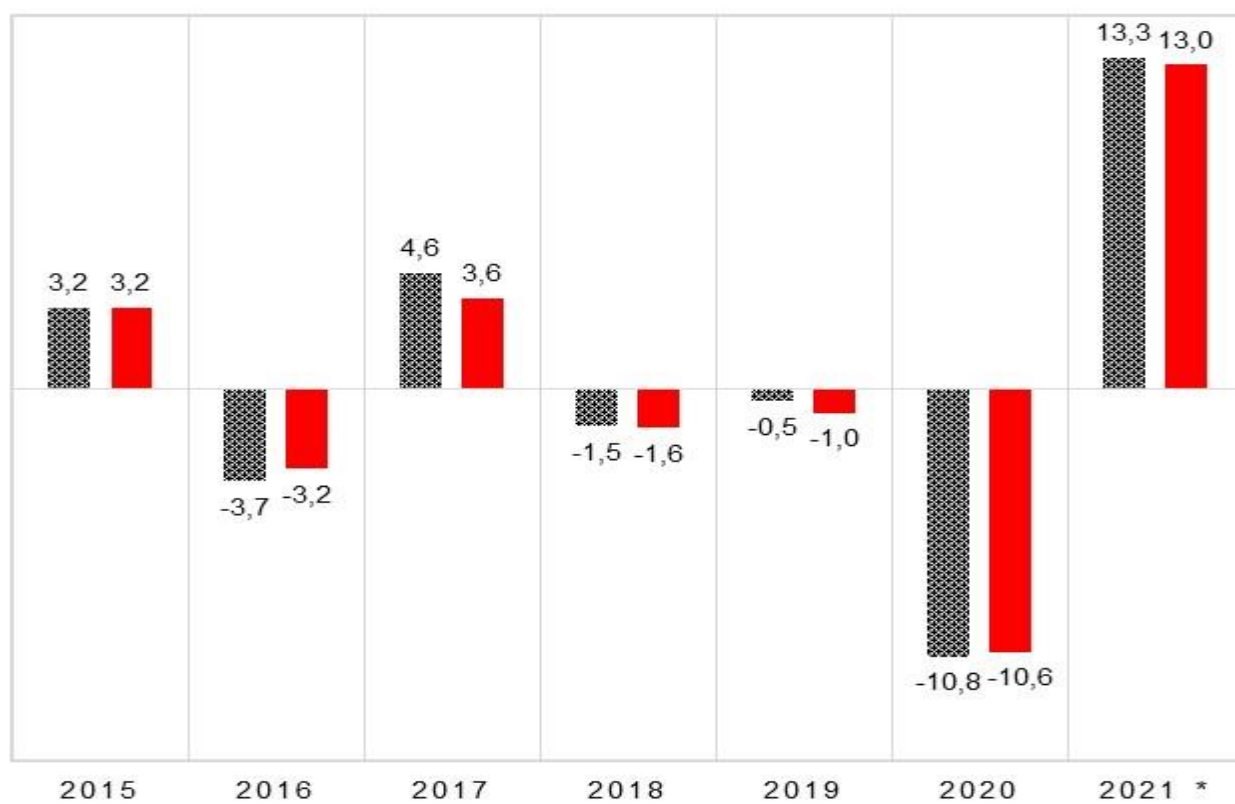


Figure 4 – Comparison of the annual growth rates (% change) for mining production based on the previous weights and new weights



* year-to-date October

▨ Previous weights ■ New weights

Sales: results for October 2021

Table D – Key growth rates in mineral sales at current prices

	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Year-on-year % change, unadjusted	87,0	94,7	50,7	35,4	1,5	4,8
Month-on-month % change, seasonally adjusted	-2,5	1,6	-0,9	1,1	-24,2	12,2
3-month % change, seasonally adjusted ¹	19,1	8,3	4,7	0,6	-8,0	-12,1

¹ Percentage change between the previous three months and the three months ending in the month indicated.

Mineral sales at current prices increased by 4,8% year-on-year in October 2021. The largest positive contributors were:

- coal (58,5% and contributing 9,7 percentage points); and
- iron ore (28,4% and contributing 2,6 percentage points).

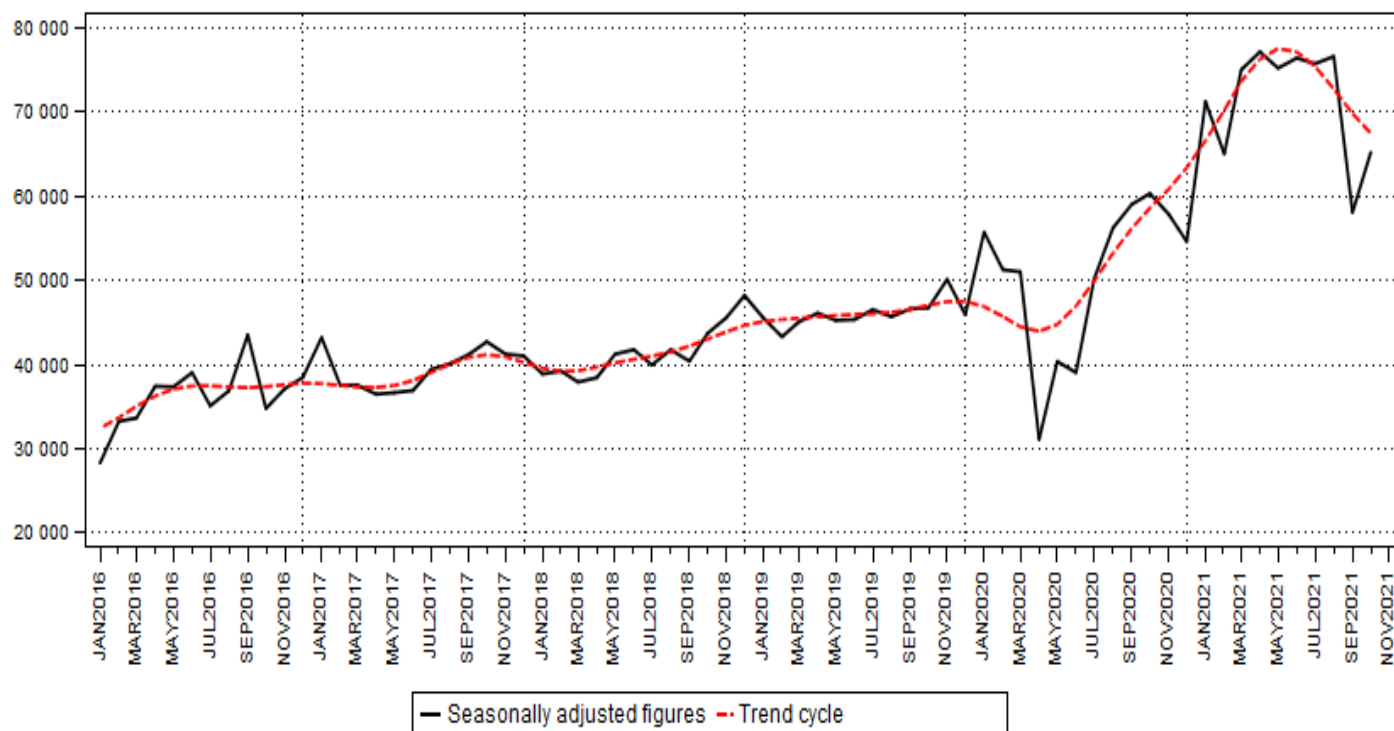
Gold (-37,9% and contributing -7,2 percentage points) was a significant negative contributor – see Tables 12 and 13.

Seasonally adjusted mineral sales at current prices increased by 12,2% in October 2021 compared with September 2021. This followed month-on-month changes of -24,2% in September 2021 and 1,1% in August 2021.

In the three months ended October 2021 the seasonally adjusted value of mineral sales at current prices was 12,1% lower compared with the previous three months.

Figure 5 – Total value of mineral sales at current prices

R million



Risenga Maluleke
Statistician-General

Tables

Table 1 – Index of the volume of mining production (Base: 2015=100)

Month	2015 *	2016 *	2017 *	2018 *	2019 *	2020 ¹ *	2021 ¹ *
Jan	85,8	81,9	85,2	87,3	84,5	89,7	82,3
Feb	89,4	83,0	84,8	88,1	81,5	87,4	84,0
Mar	110,1	90,7	105,0	97,0	97,0	82,7	101,0
Apr	100,0	94,3	94,3	91,4	90,9	45,4	98,8
May	98,6	99,9	101,6	102,4	104,0	81,0	100,2
Jun	105,7	105,3	106,2	110,7	107,9	83,9	102,2
Jul	102,8	99,7	103,4	97,0	99,8	93,9	102,8
Aug	102,1	103,8	112,4	106,0	103,7	100,4	103,8
Sep	99,1	105,5	104,0	102,6	102,6	100,3	99,5
Oct	101,0	99,2	104,1	106,8	105,4	99,5	101,6
Nov	104,3	100,2	106,4	103,2	104,1	93,8	
Dec	101,1	97,7	96,2	92,0	91,2	89,4	
Year	100,0	96,8	100,3	98,7	97,7	87,3	

¹ Preliminary.

* Revised, see note on page 4.

Table 2 – Year-on-year percentage change in the volume of mining production

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	-4,5	4,0	2,5	-3,2	6,2	-8,2	-8,2
Feb	-7,2	2,2	3,9	-7,5	7,2	-3,9	-6,1
Mar	-17,6	15,8	-7,6	0,0	-14,7	22,1	2,9
Apr	-5,7	0,0	-3,1	-0,5	-50,1	117,6	20,0
May	1,3	1,7	0,8	1,6	-22,1	23,7	20,7
Jun	-0,4	0,9	4,2	-2,5	-22,2	21,8	20,9
Jul	-3,0	3,7	-6,2	2,9	-5,9	9,5	19,0
Aug	1,7	8,3	-5,7	-2,2	-3,2	3,4	16,7
Sep	6,5	-1,4	-1,3	0,0	-2,2	-0,8	14,4
Oct	-1,8	4,9	2,6	-1,3	-5,6	2,1	13,0
Nov	-3,9	6,2	-3,0	0,9	-9,9		
Dec	-3,4	-1,5	-4,4	-0,9	-2,0		
Year	-3,2	3,6	-1,6	-1,0	-10,6		

Table 3 – Seasonally adjusted volume of total mining production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	98,3	95,3	99,3	93,8	1,5	0,2	6,1	3,0
Feb	100,6	93,4	98,1	95,3	2,3	-2,0	-1,2	1,6
Mar	97,5	96,7	82,7	100,2	-3,1	3,5	-15,7	5,1
Apr	95,6	96,8	50,9	103,5	-1,9	0,1	-38,5	3,3
May	99,6	99,2	78,1	97,7	4,2	2,5	53,4	-5,6
Jun	102,9	102,6	77,6	96,0	3,3	3,4	-0,6	-1,7
Jul	95,6	97,0	89,7	98,6	-7,1	-5,5	15,6	2,7
Aug	99,2	97,3	96,5	99,4	3,8	0,3	7,6	0,8
Sep	99,9	99,0	96,2	95,0	0,7	1,7	-0,3	-4,4
Oct	102,9	101,6	94,5	98,2	3,0	2,6	-1,8	3,4
Nov	98,0	100,4	91,7		-4,8	-1,2	-3,0	
Dec	95,1	93,6	91,1		-3,0	-6,8	-0,7	

Table 4 – Index of the volume of mining production by mineral group and mineral (Base: 2015=100) ¹

Mineral group and mineral	Weight	May-21 *	Jun-21 *	Jul-21 *	Aug-21 *	Sep-21 *	Oct-21
Gold	18,93	75,8	78,9	77,3	83,4	77,0	76,1
Iron ore	10,22	100,2	109,5	115,9	117,5	100,6	78,8
Chromium ore	3,21	124,3	129,8	132,6	130,1	125,1	124,5
Copper	0,94	33,3	35,9	33,5	34,1	38,6	41,1
Manganese ore	5,55	195,9	189,8	172,9	160,4	194,2	182,3
PGMs	22,68	104,1	107,0	102,9	109,0	96,8	124,6
Nickel	1,23	53,3	52,1	53,5	51,7	55,3	57,3
Other metallic minerals	2,05	141,2	115,1	92,7	108,8	116,9	125,5
Diamonds	3,49	99,3	90,6	133,4	143,1	144,1	106,8
Coal	27,56	93,2	96,1	99,9	94,1	91,7	91,8
Building materials	3,35	95,9	97,1	96,0	95,8	98,5	95,0
Other non-metallic minerals	0,80	109,6	107,1	115,3	109,9	109,7	111,8
Total	100,00	100,2	102,2	102,8	103,8	99,5	101,6

¹ All index values in this table are preliminary. Annual averages and annual percentage changes are available on the following link: [Annual data](#)

* Revised, see note on page 4.

Table 5 – Seasonally adjusted index of the volume of mining production by mineral group and mineral (Base: 2015=100)

Mineral group and mineral	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Month-on-month % change
Gold	75,7	74,1	74,2	77,5	69,3	69,7	0,6
Iron ore	95,2	94,1	108,6	117,8	101,6	90,4	-11,0
Chromium ore	120,4	123,8	126,9	123,3	121,3	117,1	-3,5
Copper ¹	31,8	37,1	32,0	32,6	39,8	39,6	-0,5
Manganese ore ²	195,9	189,8	172,9	160,4	194,2	182,3	-6,1
PGMs	101,8	99,8	103,2	103,7	88,8	116,7	31,4
Nickel ²	53,3	52,1	53,5	51,7	55,3	57,3	3,6
Other metallic minerals ¹	139,4	116,5	90,9	107,0	118,3	123,7	4,6
Diamonds ²	99,3	90,6	133,4	143,1	144,1	106,8	-25,9
Coal	89,4	90,4	91,2	88,4	88,5	88,3	-0,2
Building materials	92,2	87,8	87,8	88,8	89,3	86,3	-3,4
Other non-metallic minerals ¹	112,6	108,4	111,4	111,2	108,1	113,7	5,2
Total	97,7	96,0	98,6	99,4	95,0	98,2	3,4

¹ Adjusted for calendar effects only. See notes 4, 5 and 6 on page 13.

² Unadjusted.

Table 6 – Year-on-year percentage change in the volume of mining production by mineral group and mineral

Mineral group and mineral	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Gold	43,0	23,5	12,4	19,1	-5,6	-3,5
Iron ore	61,1	35,7	44,0	54,0	33,6	11,5
Chromium ore	76,1	62,0	47,0	16,4	6,1	28,7
Copper	10,3	11,1	-14,3	-3,7	-2,3	-6,4
Manganese ore	54,3	21,5	16,1	-9,7	14,2	-7,5
PGMs	26,6	59,9	11,8	1,5	-7,5	24,0
Nickel	-11,3	-11,1	-29,4	-33,3	-34,4	-30,5
Other metallic minerals	41,9	-18,9	-24,6	-23,4	-12,3	-5,8
Diamonds	14,0	-2,2	11,7	15,7	8,4	-11,4
Coal	-9,1	-0,2	-4,7	-10,7	-8,3	-9,9
Building materials	102,3	26,6	7,9	2,8	10,1	0,1
Other non-metallic minerals	17,2	-2,1	16,8	-2,3	-3,7	-0,2
Total	23,7	21,8	9,5	3,4	-0,8	2,1

Table 7 – Contribution of each mineral group and mineral to the year-on-year percentage change in the volume of mining production (percentage points)

Mineral group and mineral	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Gold	5,3	3,4	1,7	2,5	-0,9	-0,5
Iron ore	4,8	3,5	3,9	4,2	2,6	0,8
Chromium ore	2,1	1,9	1,4	0,6	0,2	0,9
Copper	0,0	0,0	-0,1	0,0	0,0	0,0
Manganese ore	4,7	2,2	1,4	-1,0	1,3	-0,8
PGMs	6,1	10,8	2,6	0,4	-1,8	5,5
Nickel	-0,1	-0,1	-0,3	-0,3	-0,4	-0,3
Other metallic minerals	1,1	-0,7	-0,7	-0,7	-0,3	-0,2
Diamonds	0,5	-0,1	0,5	0,7	0,4	-0,5
Coal	-3,2	-0,1	-1,4	-3,1	-2,3	-2,8
Building materials	2,0	0,8	0,2	0,1	0,3	0,0
Other non-metallic minerals	0,2	0,0	0,1	0,0	0,0	0,0
Total	23,7	21,8	9,5	3,4	-0,8	2,1

Table 8 – Mineral sales at current prices (R million)

Month	2015	2016	2017	2018	2019	2020 ¹	2021 ¹
Jan	27 714,6	25 021,7	37 903,7	34 420,4	41 061,7	50 847,3	62 998,6
Feb	30 712,0	30 250,9	33 691,7	34 892,7	38 234,7	44 902,9	56 761,3
Mar	34 751,6	35 051,0	39 473,2	39 778,5	45 618,9	51 188,0	76 066,4
Apr	32 675,8	36 202,7	34 917,1	37 039,5	44 522,3	30 850,9	76 678,7
May	32 812,7	36 489,3	36 288,4	41 684,6	46 448,1	40 231,3	75 221,7
Jun	35 668,4	43 040,2	40 672,0	45 024,3	48 280,9	41 759,0	81 285,8
Jul	30 620,3	33 169,6	37 150,3	37 118,1	43 602,8	48 391,9	72 945,2
Aug	31 313,7	36 902,6	40 890,3	43 022,2	47 035,1	56 255,4	76 195,9
Sep	33 416,7	47 602,2	44 264,9	43 017,4	49 922,9	63 096,9	64 063,1
Oct	33 004,9	35 817,0	43 966,4	45 802,3	50 032,2	65 419,2	68 545,2
Nov	30 901,0	36 800,3	42 104,9	46 680,3	50 217,3	57 547,3	
Dec	34 055,0	41 242,0	42 562,3	50 020,5	47 267,7	57 722,1	
Total	387 646,7	437 589,5	473 885,2	498 500,8	552 244,6	608 212,2	

¹ Preliminary.**Table 9 – Year-on-year percentage change in mineral sales at current prices**

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	-9,7	51,5	-9,2	19,3	23,8	23,9	23,9
Feb	-1,5	11,4	3,6	9,6	17,4	26,4	25,1
Mar	0,9	12,6	0,8	14,7	12,2	48,6	33,3
Apr	10,8	-3,6	6,1	20,2	-30,7	148,5	53,3
May	11,2	-0,6	14,9	11,4	-13,4	87,0	59,5
Jun	20,7	-5,5	10,7	7,2	-13,5	94,7	65,1
Jul	8,3	12,0	-0,1	17,5	11,0	50,7	62,9
Aug	17,8	10,8	5,2	9,3	19,6	35,4	58,6
Sep	42,5	-7,0	-2,8	16,1	26,4	1,5	50,2
Oct	8,5	22,8	4,2	9,2	30,8	4,8	44,2
Nov	19,1	14,4	10,9	7,6	14,6		
Dec	21,1	3,2	17,5	-5,5	22,1		
Total	12,9	8,3	5,2	10,8	10,1		

Table 10 – Seasonally adjusted total mineral sales at current prices

Month	R million				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	38 887,4	45 555,4	55 743,6	71 245,7	-5,2	-5,5	21,4	30,4
Feb	39 214,3	43 300,8	51 272,2	65 032,3	0,8	-4,9	-8,0	-8,7
Mar	37 920,5	45 086,8	51 020,5	75 020,3	-3,3	4,1	-0,5	15,4
Apr	38 445,7	46 105,0	31 104,8	77 159,0	1,4	2,3	-39,0	2,9
May	41 232,8	45 251,8	40 370,6	75 224,6	7,2	-1,9	29,8	-2,5
Jun	41 768,7	45 346,3	39 049,8	76 431,0	1,3	0,2	-3,3	1,6
Jul	39 956,8	46 528,8	50 194,7	75 746,1	-4,3	2,6	28,5	-0,9
Aug	41 760,7	45 688,3	56 229,5	76 613,3	4,5	-1,8	12,0	1,1
Sep	40 402,4	46 623,5	59 023,4	58 083,2	-3,3	2,0	5,0	-24,2
Oct	43 713,7	46 735,7	60 319,9	65 185,3	8,2	0,2	2,2	12,2
Nov	45 575,4	50 121,2	57 886,1		4,3	7,2	-4,0	
Dec	48 204,5	45 926,9	54 622,7		5,8	-8,4	-5,6	

Table 11 – Mineral sales at current prices by mineral group and mineral (R million) ¹

Mineral group and mineral	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Gold	3 465,2	11 917,2	8 339,3	12 198,0	5 288,3	7 733,5
Iron ore	12 372,6	12 381,2	11 752,5	9 775,5	9 505,2	7 547,0
Chromium ore	1 821,4	1 843,7	1 641,0	2 000,1	1 722,6	1 432,8
Copper	254,8	256,2	214,4	417,5	258,2	244,6
Manganese ore	3 216,8	2 436,1	3 106,0	3 284,2	3 360,0	3 782,7
PGMs	37 633,9	33 939,8	32 062,3	29 883,6	24 855,0	24 378,9
Nickel	800,1	813,9	122,6	780,7	701,7	857,9
Other metallic minerals	1 598,1	1 810,7	1 434,6	1 229,0	1 225,0	1 465,4
Coal	10 781,7	12 085,1	11 520,2	13 087,3	14 018,1	17 257,7
Building materials	1 083,7	1 061,1	1 071,2	1 062,1	1 122,6	1 077,1
Other non-metallic minerals	2 193,4	2 740,8	1 681,2	2 478,1	2 006,5	2 767,4
Total	75 221,7	81 285,8	72 945,2	76 195,9	64 063,1	68 545,2

¹ All values in this table are preliminary.**Table 12 – Year-on-year percentage change in mineral sales at current prices by mineral group and mineral**

Mineral group and mineral	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Gold	-51,9	269,8	-6,3	52,5	-18,0	-37,9
Iron ore	118,6	107,0	73,0	16,3	-0,6	28,4
Chromium ore	85,7	13,9	3,9	23,5	-8,0	-32,0
Copper	114,7	35,1	-24,3	133,5	29,7	31,9
Manganese ore	37,0	-47,2	-14,3	5,9	-27,0	-1,7
PGMs	251,7	209,4	171,9	55,1	6,7	0,7
Nickel	181,5	125,3	-80,3	37,5	-6,7	33,5
Other metallic minerals	7,5	3,0	11,6	-23,5	-28,5	-15,0
Coal	9,5	14,9	5,1	23,9	27,4	58,5
Building materials	83,2	29,2	10,3	4,8	11,7	4,0
Other non-metallic minerals	117,3	60,6	5,8	28,1	-23,7	13,1
Total	87,0	94,7	50,7	35,4	1,5	4,8

Table 13 – Contribution of each mineral group and mineral to the year-on-year percentage change in mineral sales at current prices (percentage points)

Mineral group and mineral	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Gold	-9,3	20,8	-1,2	7,5	-1,8	-7,2
Iron ore	16,7	15,3	10,2	2,4	-0,1	2,6
Chromium ore	2,1	0,5	0,1	0,7	-0,2	-1,0
Copper	0,3	0,2	-0,1	0,4	0,1	0,1
Manganese ore	2,2	-5,2	-1,1	0,3	-2,0	-0,1
PGMs	67,0	55,0	41,9	18,9	2,5	0,3
Nickel	1,3	1,1	-1,0	0,4	-0,1	0,3
Other metallic minerals	0,3	0,1	0,3	-0,7	-0,8	-0,4
Coal	2,3	3,8	1,2	4,5	4,8	9,7
Building materials	1,2	0,6	0,2	0,1	0,2	0,1
Other non-metallic minerals	2,9	2,5	0,2	1,0	-1,0	0,5
Total	87,0	94,7	50,7	35,4	1,5	4,8

Survey information

Introduction	1	Statistics South Africa (Stats SA) publishes monthly mining production indices and mineral sales based on the information furnished by the Department of Mineral Resources and Energy (DMRE). 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 2015=100. Both actual and seasonally adjusted figures are presented.
	3	The value of mineral sales is calculated, in general, on a free-on-rail/free-on-board basis.
	4	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.
Purpose of the survey	5	The monthly mining production and sales survey is conducted by the DMRE, 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.
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	7	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (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 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) 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 by mineral group and mineral.
Statistical unit	8	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.
Rounding-off of figures	9	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.
Historical data and past publications	10	Historical mining data and past publications are available on the Stats SA website. Click on the following link (Time series data) or (Past publications) to access the data and releases electronically. Annual averages and annual percentage changes are available on the following link: Annual data

Technical notes

Index of the volume of mining production	1	The index of the volume of mining production, also known as the 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 2015. The production in the base period is set at 100.
Index weighting	2	The weight of a mineral group is the ratio of its value added to the total value added 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 improvements and changes in relative prices. New weights will be calculated annually.
	3	The weights, which are used to aggregate minerals to mineral groups and mineral groups to total mining, are derived from national accounts value added data. The latest weights (implemented in the October 2021 publication) are based on an average of value added data for the years 2016, 2017 and 2018. These weights are applicable from January 2018.
Seasonal adjustment	4	Seasonally adjusted estimates are generated each month using the X-12-ARIMA Seasonal Adjustment Program developed by the US Bureau of the Census, 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 recognised more clearly. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month.
	5	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. The X-12-ARIMA procedure for mining production and sales is described in more detail on the Stats SA website at: Click to download seasonal adjustment for mining production and sales
		Note: Owing to the impact of the COVID-19 lockdown, a transitory change adjustment was applied to April 2020. Transitory (temporary) change describes a temporary effect on the level of a series after a certain point in time. The methodology will be reviewed as more data points are added to the time series.
Calendar effects	6	These are effects due to calendar variations. Such calendar effects include the number of working/trading days in a week, moving holidays such as Easter and the length of month (some months have more days than others).
Trend cycle	7	The trend is the long-term pattern or movement of a time series. The X-12-ARIMA Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimate the underlying trend cycle.
Reliability of estimates	8	Figures for the latest 2 calendar years are preliminary.
Month-on-month percentage change	9	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year percentage change	10	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Index contribution (percentage points)	11	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.

Sales contribution (percentage points)	12	The contribution (percentage points) to the percentage change in total sales for a given period is calculated by multiplying the percentage change of each mineral group or mineral with its percentage contribution to total mineral sales of the previous period, divided by 100.
---	-----------	---

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 transport by sea.	
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 of all Economic Activities (SIC)</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 of primary minerals at the first point of saleability by the mining establishment.	
Symbols and abbreviations	DMRE	Department of Mineral Resources and Energy
	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

Technical enquiries

JP Terblanche	Telephone number: 072 901 1222 Email: juan-pierret@statssa.gov.za
Mpuleng Galane	Telephone number: (012) 444 3735 Email: mpuleng.galane@dmre.gov.za

General 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.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, Qonce
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data is available via online services. For more detail about our electronic services, contact Stats SA's user information service.

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

General enquiries

User information services	Telephone number: (012) 310 8600 Email: info@statssa.gov.za
Orders/subscription services	Telephone number: (012) 310 8619 Email: millies@statssa.gov.za
Postal address	Private Bag X44, Pretoria, 0001

Produced by Stats SA