

Mining: Census of mining 1993 P2001

1993

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FEWER EMPLOYED BY THE MINES IN 1993

According to the results of the 1993 mining census, the mines employed 535 644

workers in 1993, which was 20,8% lower than the number employed in 1990. However, the total value of salaries and wages paid by the mines increased by 42,8%.

The total value of mining sales increased by only 13,2%.

The gold and uranium mines are the largest provider of employment in the mining sector and the number of workers decreased by 23,2% (from 477 147 in 1990 to 366 265 in 1993).

The net profit of mining firms decreased by 28,8% from 1990 to 1993. The net profit of non-gold mines decreased by 31,8% whereas the net profit of gold and uranium mines decreased by 24,7%.

Capital expenditure on new assets decreased by 13,8% from 1990 to 1993. Less was spent on new assets by all types of mines except by those classified as clay and sand pits.

1. GENERAL

The Central Statistical Service periodically undertakes a census of mining. The last census which was undertaken was that for the 1993 census year and this statistical news release contains principal statistics concerning that census.

The information shown in the tables is preliminary and relates to private firms classified as mining concerns.

Detailed data will be published in a report (No. 20-01-01 (1993)) in due course and will be obtainable from the Private Bag x44 Pretoria, 0001.

2. SCOPE OF THE CENSUS

2.1 For purposes of the census, mining means -

- any activities in connection with underground and surface mining, including stone, clay and sand quarries/pits, boreholes (except for water) and salt-pans, as well as all supplementary activities for the dressing and beneficiating of ores and other crude

materials such as crushing, screening, washing, cleaning, grading, milling, flotation, melting, pelleting, topping and other preparations needed to render the material marketable;

- restoration, rehabilitation, reshaping, revegetating and reclaiming of areas affected by mining activities; and
- any administrative, clerical, sales, research or other activities directly related to the aforementioned activities.

2.2 The following activities are excluded -

- work performed on a contract or fee basis in the development and preparation of mining properties and sites such as drilling, shaft-sinking, tunnelling, cementation and mining construction work by outside contractors;
- the refining of gold and other minerals on a contract or fee basis; and
- exploration/prospecting on a contract or fee basis.

3. AREAS COVERED

The data furnished covered mining establishments in the Republic of South Africa, including the former self-governing territories (e.g. Lebowa and KwaZulu). Data relating to establishments in the former TBVC states and in countries outside the Republic of South Africa (e.g. Zimbabwe and Namibia) are not included.

4. CENSUS YEAR

Returns were rendered by mining establishments in respect of their financial years which ended on any date between 1 January 1993 and 31 December 1993.

5. PARTICULARS

Details of employment were called for as at a specific day, namely the last pay-day in

June 1993, while the rest of the data in this news release refer to the financial year.

6. ABBREVIATIONS AND SYMBOLS USED

R = rand
 mill = million
 % = percentage
 0 = nil or less than half the final figure shown

EMPLOYMENT, SALARIES AND WAGES

Type of mine	Employment			Salaries and wages		
	1990	1993	Change	1990	1993	Change
	Number		%	R million		%
All mines	676 380	535 644	-20.8	9 310.2	13 294.2	42.8
Coal and lignite's	76 324	61 716	-19.1	1 468.2	2 317.7	57.9
Gold and uranium	477 147	366 265	-23.2	5 698.8	7 835.4	37.5
Chrome	8 363	4 575	-45.3	108.8	125.7	15.5
Manganese	3 317	2 774	-16.4	52.7	80.3	52.4
Dimension stone	3 463	2 226	-35.7	38.1	40.1	5.2
Limestone and lime works	2 874	2 810	-2.2	59.5	99.7	67.6
Stone crushing	6 047	4 424	-26.8	94.6	126.9	34.1
Clay pits	416	940	126.0	8.7	11.7	34.5
Sand pits and sand-pumping	1789	1 795	0.3	20.4	32.3	58.3
Chemicals and fertilisers	3 151	1 919	-39.1	89.4	102.4	14.5
Salt	1 345	1 335	-0.7	9.7	19.8	104.1
Other mines	92 144	84 865	-7.9	1661.1	2 502.0	50.6

INCOME AND NET PROFIT

Type of mine	Income			Net profit		
	1990	1993	Change	1990	1993	Change
	R million		%	R million		%
All mines	42 055.8	47 305.0	12.5	10 683.0	7 609.8	-28.8
Coal and lignite's	7 610.1	10 029.4	31.8	1 347.4	1 433.6	6.4

Gold and uranium	21 118.3	22 911.5	8.5	5 548.3	4 177.4	-24.7
Chrome	533.0	578.5	8.5	75.8	-1.1	-100.1
Manganese	816.0	782.1	-4.2	373.0	225.0	-39.7
Dimension stone	230.0	237.3	3.2	6.9	-3.9	-156.5
Limestone and lime works	386.7	533.4	37.9	59.8	79.7	33.3
Stone crushing	563.3	627.6	11.4	54.3	46.3	-14.7
Clay pits	50.0	69.3	38.6	4.8	6.6	37.5
Sand pits and sand-pumping	119	146.6	22.7	4.7	2.9	-38.2
Chemicals and fertilisers	825.1	698.7	-15.3	174.8	-33.3	-119.0
Salt	97.5	93.1	-4.5	8.1	2.4	-70.4
Other mines	9 707.0	10 597.4	9.2	3 025.1	1 673.2	-44.7

**STORES CONSUMED OR PURCHASES AND TRANSFERS-IN
AND SALES, TRANSFERS-OUT AND WORK DONE**

Type of mine	Stores consumed or purchases and transfers-in			Sales and transfers-out and work done		
	1990	1993	Change	1990	1993	Change
	R million		%	R million		%
All mines	11 339.3	13 843.8	22.1	36 956.4	41 849.8	13.2
Coal and lignite's	2 080.1	2 876.5	38.0	6 710.1	9 253.2	38.0
Gold and uranium	6 069.1	7 215.9	19.0	19 589.2	21 627.5	10.0
Chrome	112.4	106.1	-5.6	464.7	403.5	-13.2
Manganese	129.0	121.3	-6.0	704.8	635.8	-9.8
Dimension stone	50.4	37.8	-25.0	193.2	175.4	-9.2
Limestone and lime works	167.0	184.3	10.0	340.9	461.6	35.0
Stone crushing	165.6	190.4	15.0	478.8	531.3	11.0
Clay pits	10.3	16.2	57.0	42.4	60.4	42.0
Sand pits and sand-pumping	23.3	41.8	79.4	100.7	121.0	20.2
Chemicals and fertilisers	79.9	152.0	90.0	603.3	509.1	-15.6
Salt	43.3	29.9	-31.0	93.1	79.0	-15.1
Other mines	2 408.9	2 871.7	19.2	7 635.2	7 992.1	4.7

**OPENING VALUE OF FIXED ASSETS
AND CAPITAL EXPENDITURE ON NEW ASSETS**

Type of mine	Opening value of fixed assets			Capital expenditure on new assets		
	1990	1993	Change	1990	1993	Change
	R million		%	R million		%

All mines	30 988.2	50 085.5	61.6	4 933.2	4 251.0	-13.4
Coal and lignite's	6 117.2	8 826.3	44.3	979.6	871.2	-11.1
Gold and uranium	19 732.4	31 193.4	58.1	1 837.2	1 726.7	-6.0
Chrome	217.5	395.0	81.6	43.6	13.9	-68.1
Manganese	159.7	184.6	15.6	48.0	30.8	-35.8
Dimension stone	65.8	134.3	104.1	24.1	6.1	-74.7
Limestone and lime works	303.6	810.4	166.9	48.6	29.3	-39.7
Stone crushing	264.1	477.2	80.7	49.6	18.8	-62.1
Clay pits	13.6	40.6	198.5	1.3	1.9	46.2
Sand pits and sand-pumping	66.8	79.4	18.9	3.8	8.1	113
Chemicals and fertilisers	304.4	340.8	12.0	69.0	11.9	-82.8
Salt	15.9	33.5	110.7	1.8	.3	-83.3
Other mines	3 737.1	7 569.9	102.6	1 826.6	1 532.0	-16.1

1. PRINCIPAL STATISTICS 1984 TO 1993

Years	Number	Salaries and wages	Stores consumed or purchases and transfers-in	Income		Net profit	Value of fixed assets at beginning of year	Capital expenditure in new assets
				Total income	Sales and transfers-out and work done			
R1 000								
ALL MINES								
1984	735	4 129 376	4 923 621	19 044 342	16 778 181	5 686 967	15 635 717	2 516 680
1987	810	6 211 592	8 180 043	31 302 236	28 270 152	9 593 227	23 234 573	3 873 865
1990	924	9 310 161	11 339 330	42 083 834	36 956 446	10 682 972	30 998 161	4 933 190
1993	846	13 294 230	13 843 818	47 305 007	41 849 752	7 609 816	50 085 530	4 251 017
GOLD AND URANIUM								
1984	71	2 845 716	3 027 879	12 247 062	11 061 187	4 557 519	10 000 472	1 726 836
1987	80	4 335 206	4 814 495	19 413 491	18 268 365	6 977 805	15 960 439	2 681 297
1990	80	5 698 830	6 069 142	21 146 375	19 589 241	5 548 335	19 732 364	1 837 151
1993	68	7 835 441	7 215 888	22 911 530	21 627 456	4 177 446	31 193 435	1 726 737
COAL AND LIGNITE								
1984	76	567 505	886 047	2 634 228	2 439 834	491 966	2 851 009	414 330
1987	98	906 315	1 730 101	5 087 234	4 668 589	750 261	4 563 135	573 321
1990	81	1 468 244	2 080 062	7 610 056	6 710 100	1 347 446	6 117 248	979 599

1993	77	2 317 695	2 876 459	10 029 375	9 253 208	1 433 566	8 826 337	871 19
ALL OTHER MINES								
1984	588	716 155	1 009 695	4 163 052	3 277 160	637 482	2 743 171	375 515
1987	632	970 071	1 635 447	6 801 512	5 333 198	1 865 161	2 711 005	619 247
1990	763	2 143 087	3 190 126	13 327 403	3 190 126	3 787 191	5 148 550	2 116 440
1993	701	3 141 094	3 751 471	14 364 102	10 969 088	1 998 804	10 065 758	1 653 087

2. EMPLOYMENT AND EMPLOYEES' REMUNERATION BY TYPE OF MINE

1993

Type of mine	Returns received	Employment				Employees' remuneration	
		Working proprietors and unpaid family assistants		Paid employees		Salaries and wages	Net expenditure on staff auxiliary services and payments
		Total	Whites	Total	Whites		
		Number				R1 000	
All mines	846	188	184	535 456	54 513	13 294 230	1 052 450
Coal and lignite's	77	0	0	61 716	12 474	2 317 695	158 095
Gold and uranium	68	0	0	366 265	27 731	7 835 441	724 672
Chrome	14	0	0	4 575	514	125 724	662
Manganese	5	0	0	2 774	499	80 299	2 084
Dimension stone	35	1	1	2 225	241	40 135	584
Limestone and lime works	36	0	0	2 810	494	99 725	6 124
Stone crushing	131	17	16	4 407	791	126 917	2 153
Clay pits	62	28	28	912	142	11 729	97
Sand pits	152	67	66	1 331	243	22 279	71
Sand-pumping	9	4	4	393	76	10 021	186
Other stone, clay and sand	21	0	0	1 573	380	52 666	1 169
Chemicals and fertilisers	5	1	1	1 918	557	102 437	1 774
Salt	68	27	27	1 308	146	19 791	191
Other mines	163	43	41	83 249	10 225	2 449 371	154 588

3. SELECTED INCOME STATEMENT ITEMS BY TYPE OF MINE

3.1 DEBITS

3.1.1 WORKING COSTS ACCOUNT

1993

Type of mine	Value of opening stocks	Stores consumed or purchases and transfers-in	Payments for work done	Salaries and wages	Rent paid	Interest received	Depreciation	Balance (profit)	Total debits
R1 000									
All mines	2 551 105	13 108 571	1 974 172	13 015 871	108 245	426 489	860 096	8 231 938	47 305 007
Coal and lignite's	375 566	2 839 778	541 517	2 306 108	53 009	107 973	364 956	1 613 217	10 029 375
Gold and uranium	541 485	6 845 986	927 030	7 705 535	25 352	129 917	39 437	4 310 316	22 911 530
Chrome	150 693	106 097	11 999	125 724	923	8 304	16 877	11 004	578 481
Manganese	121 906	119 593	63 087	79 806	310	1 185	12 924	224 994	782 133
Dimension stone	47 321	37 738	4 099	40 135	4 370	4 664	12 102	11 659	237 335
Limestone and lime works	55 403	183 413	5 251	99 709	848	9 354	44 844	97 757	533 425
Stone crushing	13 819	190 246	31 578	126 917	11 368	6 578	46 668	69 539	627 613
Clay pits	2 890	16 244	9 831	11 729	838	1 911	4 047	8 498	69 305
Sand pits	1 657	29 208	5 516	22 080	1 666	2 206	6 587	7 727	110 358
Sand-pumping	1 003	11 084	642	10 008	198	1 402	3 633	1 710	36 288
Other stone, clay and sand	42 679	135 652	3 639	52 640	689	2 202	8 955	14 493	287 850
Chemicals and fertilisers	170 110	151 874	23 738	102 345	116	12 650	26 986	1 043	698 682
Salt	8 541	29 869	6 939	19 791	891	1 079	2 824	3 030	93 100
Other mines	1 018 031	2 411 790	339 306	2 313 345	7 666	137 063	269 256	1 856 952	10 309 532

3. SELECTED INCOME STATEMENT ITEMS BY TYPE OF MINE

3.1 DEBITS

3.1.2 CAPITAL ACCOUNT

1993

Type of mine	Value of opening stocks	Stores consumed or purchases and transfers-in	Salaries and wages	Rent paid	Interest paid	Depreciation	Total debits
R1 000							
All mines	62 253	735 246	278 359	565	63 310	14 592	1 627 453
Coal and lignite's	0	36 681	11 588	0	0	0	58 603
Gold and uranium	60 754	369 901	129 907	0	0	0	951 834
Chrome	0	0	0	0	0	0	0
Manganese	0	1 696	493	0	0	0	3 246
Dimension stone	14	13	0	0	0	0	90
Limestone and lime works	75	890	16	90	0	1	1 072
Stone crushing	0	146	0	0	0	0	146
Clay pits	0	0	0	0	0	0	0
Sand pits	0	1 235	199	104	0	96	1 708

Sand-pumping	0	229	13	75	0	0	31
Other stone, clay and sand	0	610	26	276	0	0	4 740
Chemicals and fertilisers	0	159	92	0	0	0	252
Salt	0	4	0	0	0	0	4
Other mines	1 410	323 682	136 026	20	63 310	14 495	605 442

3. SELECTED INCOME STATEMENT ITEMS BY TYPE OF MINE

3.2 CREDITS

1993

Type of mine	Value of closing stocks	Sales and transfers-out	Rent received	Interest received	Balance (loss)	Total credits
	R1 000					
All mines	2 964 288	41 849 752	104 603	426 489	622 122	47 305 007
Coal and lignite's	288 039	9 253 208	39 924	107 973	179 651	10 029 375
Gold and uranium	519 222	21 627 456	26 742	129 917	132 870	22 911 530
Chrome	155 718	403 463	241	8 304	11 113	578 481
Manganese	134 306	635 781	365	1 185	0	782 133
Dimension stone	42 288	175 354	216	4 664	15 574	237 335
Limestone and lime works	50 636	461 615	866	9 354	18 011	533 425
Stone crushing	19 103	531 321	1 736	6 578	23 231	627 613
Clay pits	5 876	60 405	284	1 911	1 901	69 305
Sand pits	1 491	87 323	295	2 206	5 385	110 358
Sand-pumping	897	33 670	5	1 402	1 128	36 288
Other stone, clay and sand	48 561	227 100	367	2 202	2 791	287 850
Chemicals and fertilisers	135 742	509 067	1 900	12 650	34 380	698 682
Salt	11 622	78 972	25	1 079	666	93 100
Other mines	1 550 785	7 765 017	31 638	137 063	195 420	10 309 532