

# MINERAL RESOURCES AND MINERAL RESERVES: A SUMMARY

## WHAT WE DID IN 2024

### SUCCESSSES

- Updated the Mineral Reserve estimate at the Keliber Lithium Project and achieved an increase of 36.6% in attributable lithium Mineral Reserves to 248kt LCE
- Updated the Mineral Resource estimate at the Mt Lyell Copper project and achieved an increase of 20.8% in attributable Mineral Resources to 1,945Mlb copper
- Kept our Mineral Resources and Mineral Reserves base at our SA PGM operations stable, and managed to add the Siphumelele mechanised UG2 project Mineral Reserves (0.8Moz), demonstrating the value being unlocked through the acquisition of the remaining 50% interest in the Kroondal operations

### CHALLENGES

- Sustained low 2E PGM spot prices during the year has necessitated an operational restructuring as well as a strategic shift in extraction strategy at the US PGM operations. In combination with a lower 2E LoM basket price assumption, this has impacted the operation's 2E PGM Mineral Resources of 79.1Moz (-9.9%) and Mineral Reserves of 19.0Moz (-27.8%)
- Declining, but still substantial, Gold Mineral Resources of 48.8Moz (-2.2%) and Mineral Reserves of 10.0Moz (-8.0%) at our SA gold operations and projects, impacted by depletion and geological changes at Driefontein

ACHIEVING OPERATIONAL  
EXCELLENCE AND OPTIMISING  
LONG-TERM RESOURCE VALUE



As a dual-listed company, on the JSE and the NYSE, Sibanye-Stillwater is required to report Mineral Resources and Mineral Reserves in accordance with the SAMREC Code and subpart 1300 under Regulation S-K of the US Securities Act of 1933 (S-K 1300).

## APPROACH AND SALIENT FEATURES

The statement of Mineral Resources and Mineral Reserves, as at 31 December 2024, outlines the attributable Mineral Resources and Mineral Reserves at each of our operating mines and projects. The Mineral Resources and Mineral Reserves are compared to the last full declaration made, as at 31 December 2023, and therefore include a 12-month period of production depletion due to mining activity.

The statement is underpinned by appropriate Mineral Resources management processes and protocols that ensure adequate corporate governance.

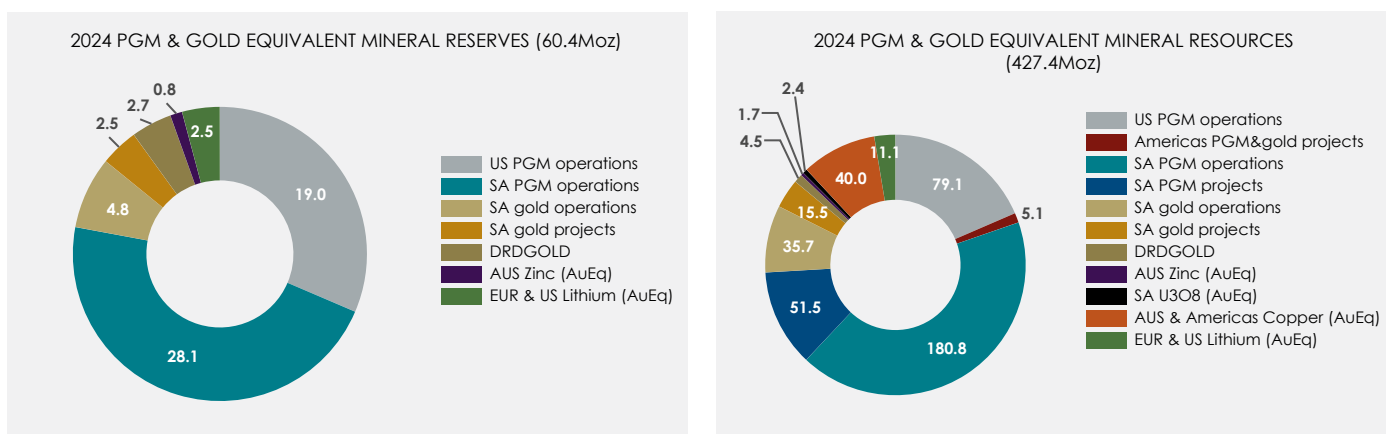
This section is a condensed overview of the Mineral Resources and Mineral Reserves Report 2024, and comprises a high-level review of Mineral Resources and Mineral Reserves, as at 31 December 2024, and details the location, geology, mining, processing, operational statistics and changes at each of the Group's mining operations and projects.

The detailed statement of Mineral Resources and Mineral Reserves is available online at [www.sibanyestillwater.com/news-investors/reports/annual/](http://www.sibanyestillwater.com/news-investors/reports/annual/)



MINERAL RESOURCES AND MINERAL RESERVES: A SUMMARY continued

Sibanye-Stillwater has extensive Mineral Resources and Mineral Reserves, including precious and green metals located in the Americas and Southern Africa; green metals in Europe and the Americas; and zinc and copper in Australia.



The Group reports in accordance with both the JSE and the US Securities and Exchange Commission (SEC) rules and guidelines for the estimation of Mineral Resources and Mineral Reserves at all managed operations, development, and exploration properties. This specific disclosure is in compliance with the JSE rules, while the SEC compliant version can be located at <https://www.sibanyestillwater.com/download/reserves-resourcesdec2024-nyse/>



Forward looking prices, based on extensive market research, are used in the Mineral Resources and Mineral Reserves estimations. Price assumptions for Mineral Resources focus on longer timeframes and are based on moderately higher prices than for Mineral Reserves, demonstrating their reasonable prospects for economic extraction and ore-body flexibility. The commodity prices used in the estimation of Mineral Resources and Mineral Reserves at non-managed entities, over which we don't have control, are provided in the notes to the relevant tables.

Given the decline in the PGM markets, we have adjusted our palladium and rhodium price outlook downwards. We now forecast palladium at US\$1,150/oz (2023: US\$1,250) and rhodium at US\$4,500/oz (2023: US\$6,000). The long-term outlook of US\$1,250/oz for platinum is maintained based on expected mine depletion, which will lower supply, and the expected realisation of hydrogen demand.

The ongoing global polarisation and the increased associated risk, as evidenced by the wars in Ukraine and the Middle East, has continued to drive gold prices higher. Combined with lingering above-average inflation levels, we have seen a new structural floor develop for gold. At our leveraged South African gold operations, we have considered the most recent bank consensus forward-looking prices (Years 2025-2028) for Mineral Reserves estimation before reverting to a higher but still conservative long-term outlook of US\$1,750/oz (2023: US\$1,650).

Regarding base metals, we have revised our longer-term price outlooks for chrome ore and uranium. Over the past year we have seen sustained +40% chromium oxide (Cr<sub>2</sub>O<sub>3</sub>) UG2 concentrate prices well above US\$200/t and, in line with bank consensus, we have adjusted our long-term price to US\$230/tonne.

The structural support for a sustained uranium market rally continues to grow, underpinned by the growing recognition of uranium as a source of green energy and as a crucial contributor to the global decarbonisation requirements in future. As a result, we have adjusted our view of the long-term contract price to US\$63/lb. This bodes well for the future of the Cooke tailings storage facility (TSF) uranium project, which is undergoing a feasibility study (FS).

For the Keliber lithium project, where we have comprehensively updated the Mineral Reserve estimate via detailed new pit designs, we have taken cognisance of the weaker current, short term outlook and have considered a Li price of ~US\$20,000/t lithium hydroxide monohydrate (LiOH.H<sub>2</sub>O).

The exchange rates applied for the South African Mineral Resources and Mineral Reserves calculations as at 31 December 2024 is R18.24:US\$ (up from R17.00:US\$ at end 2023), reflecting the continuing deteriorating long-term R:US\$ outlook. Other rates applied are US\$1.12:EUR, R19.80:EUR and US\$0.71:AUS\$.

**Sibanye-Stillwater 2023 price deck for Mineral Reserves at managed gold operations**

	2025	2026	2027	2028	Long Term
(US\$/oz)	2,068	1,958	1,921	1,905	1,750
(R/kg)	1,212,602	1,148,474	1,126,775	1,117,183	1,026,251

MINERAL RESOURCES AND MINERAL RESERVES: A SUMMARY continued

## 2024 price decks for managed Mineral Resources &amp; Mineral Reserves (excluding SA gold Mineral Reserves)

	31 December 2024						31 December 2023		
	MINERAL RESOURCES			MINERAL RESERVES			MINERAL RESERVES		
	US\$/oz	R/oz	R/kg	US\$/oz	R/oz	R/kg	US\$/oz	R/oz	R/kg
<b>Precious metals</b>									
Gold <sup>1</sup>	2,000	36,480	1,172,858	1,750	31,920	1,026,251	1,650	28,050	901,828
Platinum	1,350	24,624	791,679	1,250	22,800	733,036	1,250	21,250	683,203
Palladium	1,350	24,624	791,679	1,150	20,976	674,394	1,250	21,250	683,203
Rhodium	5,000	91,200	2,932,146	4,500	82,080	2,638,931	6,000	102,000	3,279,374
Iridium	6,500	118,560	3,811,790	5,500	100,320	3,225,360	2,500	42,500	1,366,406
Ruthenium	450	8,208	263,893	400	7,296	234,572	300	5,100	163,969
<b>Base metals</b>	US\$/lb	US\$/tonne	R/tonne	US\$/lb	US\$/tonne	R/tonne	US\$/lb	US\$/tonne	R/tonne
Nickel	8.50	18,750	342,000	8.00	17,640	321,754	7.35	16,200	275,400
Copper	4.54	10,000	182,400	4.06	8,950	163,248	4.06	8,950	152,150
Cobalt	25.00	55,116	1,005,307	22.00	48,502	884,670	22.00	48,502	824,528
Zinc	1.30	2,866	52,276	1.15	2,535	46,244	1.15	2,535	43,100
Uranium oxide (U <sub>3</sub> O <sub>8</sub> ) <sup>2</sup>	80.00	176,370	3,216,982	63.00	138,891	2,533,373	50.00	110,231	1,873,927
Chromium oxide (Cr <sub>2</sub> O <sub>3</sub> , 40.5% UG2 conc.) <sup>2</sup>	0.11	250	4,560	0.10	230	4,195	0.09	200	3,400
Lithium hydroxide monohydrate	15.88	35,000	638,400	9.07	20,000	364,800	14.51	32,000	544,000

<sup>1</sup> Long-term (2029 onwards)<sup>2</sup> Long-term contract prices

## Mineral Resources Inclusive of Mineral Reserves

PGM			31 Dec 2024				31 Dec 2023			
			Attributable		100%		Attributable		100%	
			Tonnes (Mt)	Grade (g/t)	PGM (Moz)	PGM (Moz)	Tonnes (Mt)	Grade (g/t)	PGM (Moz)	PGM (Moz)
Americas <sup>1</sup>	Operations	Measured	37.3	15.5	18.6	18.6	44.5	15.2	21.7	21.7
		Indicated	41.5	14.6	19.4	19.4	49.1	14.2	22.4	22.4
		Measured + Indicated	78.7	15.0	38.1	38.1	93.6	14.7	44.1	44.1
		Inferred	91.2	14.0	41.1	41.1	113.8	11.9	43.7	43.7
	Exploration	Measured	22.0	0.8	0.6	4.1	22.1	0.8	0.6	4.1
		Indicated	10.0	0.6	0.2	1.3	10.0	0.6	0.2	1.3
		Measured + Indicated	31.9	0.7	0.7	5.4	32.1	0.7	0.7	5.4
		Inferred	4.0	0.5	0.1	0.4	4.0	0.5	0.1	0.4
Southern Africa <sup>2</sup>	Operations	Measured	488.7	3.9	60.5	82.0	416.3	4.3	58.1	79.1
		Indicated	671.9	4.0	87.4	110.8	648.9	4.3	89.5	113.5
		Measured + Indicated	1,160.5	4.0	147.9	192.8	1,065.1	4.3	147.5	192.6
		Inferred	238.3	4.3	32.9	42.2	242.0	4.5	35.2	44.9
	Exploration	Measured	1.8	4.2	0.2	0.3	1.8	4.2	0.2	0.3
		Indicated	244.5	4.1	32.5	45.1	244.5	4.1	32.5	45.1
		Measured + Indicated	246.2	4.1	32.7	45.4	246.2	4.1	32.7	45.4
		Inferred	158.8	3.7	18.8	26.2	158.8	3.7	18.8	26.2
Total Measured + Indicated			1,517.5	4.5	219.5	281.7	1,437.0	4.9	225.2	287.6
Grand total			2,009.8	4.8	312.3	391.6	1,955.6	5.1	323.0	402.8

## MINERAL RESOURCES AND MINERAL RESERVES: A SUMMARY continued

GOLD			Attributable				100%			
			Attributable		100%		Attributable		100%	
			Tonnes (Mt)	Grade (g/t)	Gold (Moz)	Gold (Moz)	Tonnes (Mt)	Grade (g/t)	Gold (Moz)	Gold (Moz)
Southern Africa	Operations	Measured	439.2	1.7	24.2	26.8	465.0	1.7	24.7	27.4
		Indicated	379.1	1.1	13.9	16.2	390.9	1.2	14.6	17.0
		Measured + Indicated	818.3	1.4	38.1	43.0	855.9	1.4	39.3	44.4
		Inferred	22.0	3.0	2.1	2.2	22.7	2.6	1.9	2.0
	Development	Measured	0.9	5.5	0.2	0.2	1.0	5.6	0.2	0.2
		Indicated	24.7	5.8	4.6	4.6	24.8	5.6	4.5	4.5
		Measured + Indicated	25.6	5.8	4.8	4.8	25.9	5.6	4.7	4.7
		Inferred	27.8	4.3	3.9	3.9	29.3	4.3	4.1	4.1
	Exploration	Measured	—	—	—	—	—	—	—	—
		Indicated	44.1	4.5	6.4	6.4	44.1	4.5	6.4	6.4
		Measured + Indicated	44.1	4.5	6.4	6.4	44.1	4.5	6.4	6.4
		Inferred	4.0	3.6	0.5	0.5	4.0	3.6	0.5	0.5
Australia	Exploration	Measured	3.7	0.2	0.03	0.03	3.7	0.2	0.03	0.03
		Indicated	71.5	0.3	0.6	0.6	51.4	0.3	0.4	0.4
		Measured + Indicated	75.2	0.3	0.6	0.6	55.1	0.2	0.4	0.4
		Inferred	11.3	0.3	0.1	0.1	24.3	0.1	0.1	0.1
Americas	Exploration	Measured	409.2	0.1	1.4	3.1	332.1	0.1	1.2	2.8
		Indicated	797.8	0.1	1.4	3.0	292.1	0.1	0.8	1.7
		Measured + Indicated	1,207.0	0.1	2.8	6.1	624.2	0.1	2.0	4.4
		Inferred	595.5	0.04	0.8	1.8	96.5	0.1	0.2	0.5
Total Measured + Indicated			2,170.2	0.8	52.7	60.9	1,605.2	1.0	52.8	60.4
Grand total			2,830.8	0.7	60.0	69.2	1,782.1	1.0	59.5	67.4

LITHIUM <sup>3</sup>			Attributable					100%				
			Attributable					100%				
			Tonnes (Mt)	Li (%)	Li <sub>2</sub> O (%)	LCE (kt)	LCE (kt)	Tonnes (Mt)	Li (%)	Li <sub>2</sub> O (%)	LCE (kt)	LCE (kt)
Europe	Development	Measured	3.3	0.62	1.33	108	135	3.3	0.62	1.33	108	135
		Indicated	8.0	0.57	1.22	241	302	8.0	0.57	1.22	241	302
		Measured + Indicated	11.3	0.58	1.25	349	437	11.3	0.58	1.25	349	437
		Inferred	4.5	0.51	1.10	122	153	4.5	0.51	1.10	122	153
Americas	Exploration	Measured	4.6	0.18	0.40	45	734	3.0	0.17	0.37	28	403
		Indicated	11.3	0.17	0.36	102	1,645	17.3	0.17	0.37	160	2,317
		Measured + Indicated	16.0	0.17	0.37	147	2,379	20.4	0.17	0.37	188	2,720
		Inferred	5.8	0.18	0.38	54	874	4.5	0.18	0.39	44	630
Total Measured + Indicated			27.3	0.34	0.74	496	2,816	31.6	0.32	0.69	537	3,157
Grand total			37.5	0.34	0.73	672	3,843	40.7	0.32	0.70	702	3,940

URANIUM			Attributable				100%			
			Tonnes (Mt)	Grade (kg/t)	U <sub>3</sub> O <sub>8</sub> (Mlb)	U <sub>3</sub> O <sub>8</sub> (Mlb)	Tonnes (Mt)	Grade (kg/t)	U <sub>3</sub> O <sub>8</sub> (Mlb)	U <sub>3</sub> O <sub>8</sub> (Mlb)
Southern Africa	Exploration	Measured	63.8	0.24	33.2	41.0	63.8	0.24	33.2	41.0
		Indicated	47.5	0.25	25.9	28.3	47.5	0.25	25.9	28.3
		Measured + Indicated	111.4	0.24	59.1	69.3	111.4	0.24	59.1	69.3
		Inferred	0.04	1.10	0.1	0.1	0.04	1.10	0.1	0.1
Grand total			111.4	0.24	59.2	69.4	111.4	0.24	59.2	69.4

## MINERAL RESOURCES AND MINERAL RESERVES: A SUMMARY continued

			Attributable				100%			
			Tonnes (Mt)	Grade (%)	Copper (Mlb)	Copper (Mlb)	Tonnes (Mt)	Grade (%)	Copper (Mlb)	Copper (Mlb)
COPPER										
Australia	Exploration	Measured	3.7	0.93	77	77	3.7	0.89	73	73
		Indicated	75.1	0.96	1,597	1,597	51.4	0.91	1,036	1,036
		Measured + Indicated	78.8	0.96	1,674	1,674	55.1	0.91	1,108	1,108
		Inferred	14.2	0.86	271	271	24.3	0.94	501	501
Americas	Exploration	Measured	409.2	0.41	3,684	8,087	332.1	0.42	3,062	6,807
		Indicated	797.8	0.41	7,176	15,012	292.1	0.41	2,622	5,643
		Measured + Indicated	1,207.0	0.41	10,859	23,099	624.2	0.41	5,683	12,450
		Inferred	595.5	0.37	4,800	9,976	96.5	0.41	871	1,893
Total Measured + Indicated			1,285.8	0.44	12,533	24,773	679.3	0.45	6,792	13,558
Grand total			1,895.6	0.42	17,604	35,020	800.2	0.46	8,163	15,952

ZINC			Attributable				Attributable			
			100%		100%		100%		100%	
			Tonnes (Mt)	Grade (%)	Zinc (Mlb)	Zinc (Mlb)	Tonnes (Mt)	Grade (%)	Zinc (Mlb)	Zinc (Mlb)
Australia	Operations	Measured	19.6	3.06	1,318	1,318	25.6	3.10	1,750	1,750
		Indicated	—	—	—	—	—	—	—	—
		Measured + Indicated	19.6	3.06	1,318	1,318	25.6	3.10	1,750	1,750
		Inferred	—	—	—	—	—	—	—	—
	Exploration	Measured	1.0	4.80	106	106	1.0	4.80	106	106
		Indicated	8.9	5.66	1,111	1,111	8.9	5.66	1,111	1,111
		Measured + Indicated	9.9	5.58	1,217	1,217	9.9	5.58	1,217	1,217
		Inferred	0.6	2.67	35	35	0.6	2.67	35	35
Total Measured + Indicated			29.5	3.90	2,535	2,535	35.5	3.79	2,967	2,967
Grand total			30.1	3.88	2,570	2,570	36.1	3.77	3,002	3,002

## Mineral Reserves

PGM			31 Dec 2024				31 Dec 2023			
			Attributable		100%		Attributable		100%	
			Tonnes (Mt)	Grade (g/t)	PGM (Moz)	PGM (Moz)	Tonnes (Mt)	Grade (g/t)	PGM (Moz)	PGM (Moz)
Americas <sup>1</sup>	Operation	Proved	9.5	13.1	4.0	4.0	10.9	13.5	4.8	4.8
		Probable	35.1	13.3	15.0	15.0	49.5	13.6	21.5	21.5
		Proved + Probable	44.5	13.3	19.0	19.0	60.4	13.5	26.3	26.3
Southern Africa <sup>2</sup>	Operation	Proved	115.3	3.5	13.0	18.0	113.2	3.5	12.9	17.8
		Probable	147.2	3.2	15.1	18.9	132.8	3.6	15.3	19.3
		Proved + Probable	262.5	3.3	28.1	37.0	246.0	3.6	28.1	37.1
Grand total Proved + Probable			307.1	4.8	47.1	56.0	306.4	5.5	54.5	63.4

GOLD			Attributable				Attributable			
					100%				100%	
			Tonnes	Grade	Gold	Gold	Tonnes	Grade	Gold	Gold
			(Mt)	(g/t)	(Moz)	(Moz)	(Mt)	(g/t)	(Moz)	(Moz)
Southern Africa	Operation	Proved	197.9	0.8	4.9	6.7	211.8	0.8	5.4	7.3
		Probable	119.6	0.7	2.6	3.5	124.2	0.8	3.0	3.9
		Proved + Probable	317.5	0.7	7.5	10.2	336.0	0.8	8.4	11.2
	Development	Proved	—	—	—	—	—	—	—	—
		Probable	20.0	4.0	2.5	2.5	19.8	4.0	2.5	2.5
		Proved + Probable	20.0	4.0	2.5	2.5	19.8	4.0	2.5	2.5
Grand total Proved + Probable			337.4	0.9	10.0	12.7	355.8	1.0	10.9	13.7



MINERAL RESOURCES AND MINERAL RESERVES: A SUMMARY continued

LITHIUM³			Attributable					100%				
			Tonnes					Tonnes				
			(Mt)	(%)	(%)	(kt)	(kt)	(Mt)	(%)	(%)	(kt)	(kt)
Europe	Development	Proved	3.5	0.51	1.09	93	117	3.1	0.48	1.04	80	101
		Probable	6.9	0.42	0.91	155	195	4.6	0.42	0.90	102	127
Grand total Proved + Probable			10.3	0.45	0.97	248	311	7.7	0.44	0.96	182	228

ZINC			Attributable				100%			
			Tonnes				Tonnes			
			(Mt)	(%)	(Mlb)	(Mlb)	(Mt)	(%)	(Mlb)	(Mlb)
Australia	Operation	Proved	18.7	3.0	1,218	1,218	26.1	3.0	1,726	1,726
		Probable	—	—	—	—	—	—	—	—
Grand total Proved + Probable			18.7	3.0	1,218	1,218	26.1	3.0	1,726	1,726

Note: Mineral Resources and Mineral Reserves are attributable, based on legal equity interest, and metal content is additionally stated on a 100% basis. Details on attributable interests can be found in the Mineral Resource and Mineral Reserves Report 2024.

<sup>1</sup> For the US PGM operations, PGM is represented by the 2E (Pt and Pd)

<sup>2</sup> For the SA PGM operations, PGM is represented by the 4E (Pt, Pd, Rh and Au)

<sup>3</sup> For the Lithium Mineral Resources, LCE content was calculated by multiplying the Li (%) content by a factor of 5.323. Lithium hydroxide monohydrate (LiOH.H<sub>2</sub>O) can be derived from LCE by dividing by a factor of 0.88

The statement of Mineral Resources and Mineral Reserves is available online at [www.sibanyestillwater.com/news-investors/reports/annual/](http://www.sibanyestillwater.com/news-investors/reports/annual/)



## CORPORATE GOVERNANCE

This Mineral Resource and Mineral Reserve declaration represents a condensed and consolidated summary of the full Sibanye-Stillwater Mineral Resource and Mineral Reserve declaration available in the Group Mineral Resource and Mineral Reserve Report, at [www.sibanyestillwater.com/news-investors/reports/annual/](http://www.sibanyestillwater.com/news-investors/reports/annual/)



The Mineral Resources and Mineral Reserves are estimates at a particular date, and are affected by fluctuations in mineral prices, exchange rates, operating costs, mining permits, changes in legislation and operating factors. By-product metals that do not provide a material contribution to potential revenue flows are typically excluded from the statements.

Sibanye-Stillwater prepares and reports its Mineral Resources and Mineral Reserves in accordance with the SAMREC Code, the updated Section 12 of the JSE Listings Requirements, and S-K 1300. For non-managed mineral properties, Mineral Resources and Mineral Reserves are, in certain cases, prepared under different codes, such as JORC and NI-43-101. These codes are closely aligned with SAMREC, and form part of the Committee for Mineral Reserves International Reporting Standards (CRIRSCO). See Sibanye-Stillwater's Mineral Reserves and Mineral Resource Report for SK-1300 compliance disclosures.

All financial models used to determine the managed Mineral Reserves are based on current tax regulations as at 31 December 2024. Rounding-off of figures may result in minor computational discrepancies. Where this happens, it is not deemed significant.

There are teams of Competent Persons (CPs), designated in terms of the respective national reporting codes, who take responsibility for the reporting of Mineral Resources and Mineral Reserves. Corporate governance on the overall compliance of the Group's figures and responsibility for the generation of a Group consolidated statement has been overseen by the lead CPs, included below. The Group has the written confirmation of the lead CP's that the information, as disclosed in this report, is compliant with the relevant security exchanges' listing requirements (Section 12 of the JSE Listings Requirements, SAMREC Table 1 and S-K1300), and that it may be published in the form and context in which it was intended.

For the managed operations, Stephan Stander is the Group Lead CP for Mineral Resources and Mineral Reserves. Stephan is a registered member of the South African Council for Natural Scientific Professions (SACNASP 400089/96).