

Mineral resources and ore reserves cont.

2009

Elandsrand

Geology: The structure of the orebody on the Far West Rand is dominated by a series of east-trending normal faults with throws of up to 40m, as well as a series of north-north-east striking normal faults with generally smaller displacements in the north-west. Faulting is generally less prevalent than in other Witwatersrand Basin goldfields. The primary reefs exploited are the Ventersdorp Contact Reef (VCR) and the Carbon Leader, separated by 900 to 1 300 metres, increasing from east to west. Secondary targets are the Middelvlei Reef (50 to 75 metres above the Carbon Leader) and the Mondeor Conglomerate Reef Zone, which sub-crops beneath the VCR at Deelkraal and on the western side of Elandsrand.

Mineral Resource

Operations	Measured				Indicated				Inferred				Total			
	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)
Underground																
Elandsrand	11.6	8.87	103	3 313	28.2	8.63	243	7 812	1.4	9.28	13	431	41.2	8.72	359	11 556
GRAND TOTAL	11.6	8.87	103	3 313	28.2	8.63	243	7 812	1.4	9.28	13	431	41.2	8.72	359	11 556

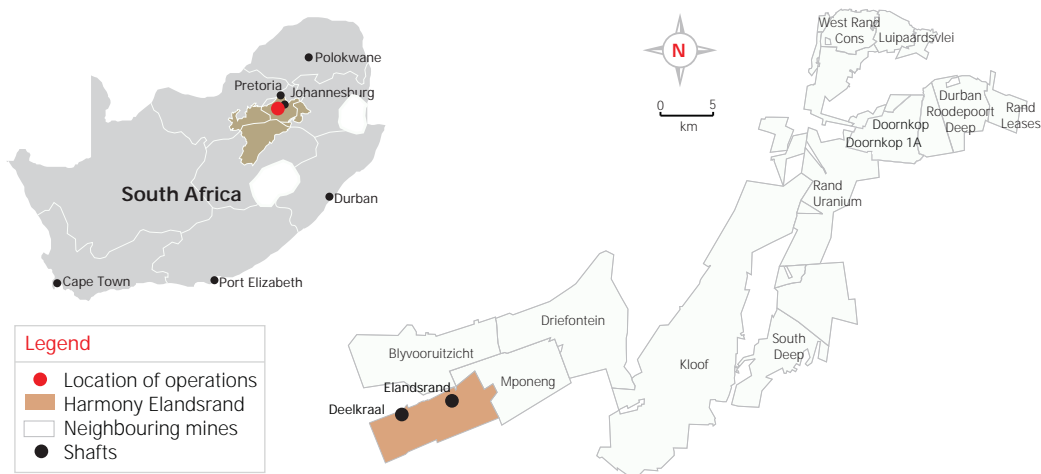
Modifying factors

Operations	MCF (%)	SW (cm)	MW (cm)	PRF (%)
Elandsrand	87	129	160	96

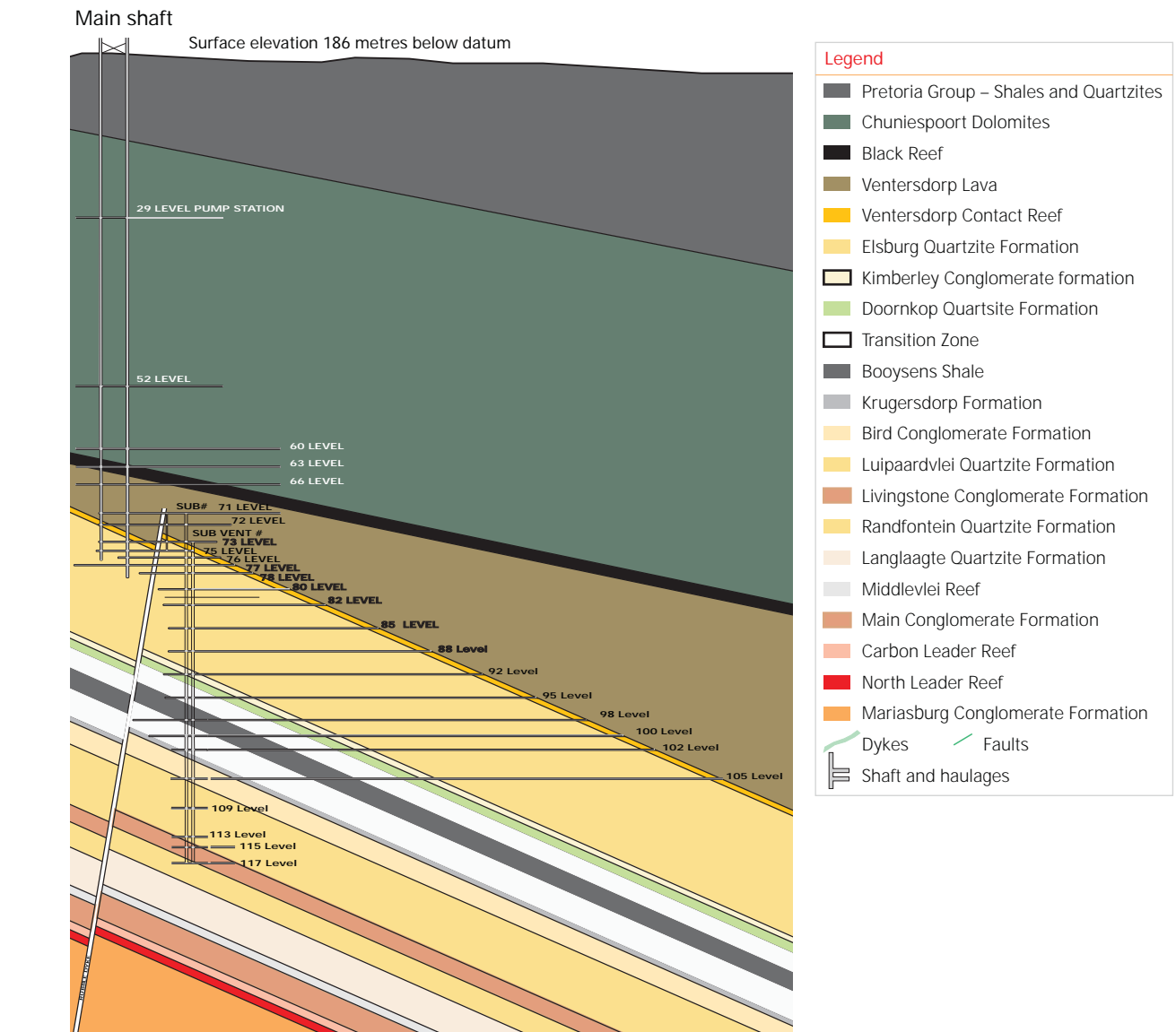
MCF = Mine call factor MW = Milling width SW = Stopping width
PRF = Plant recovery factor

Ore reserves

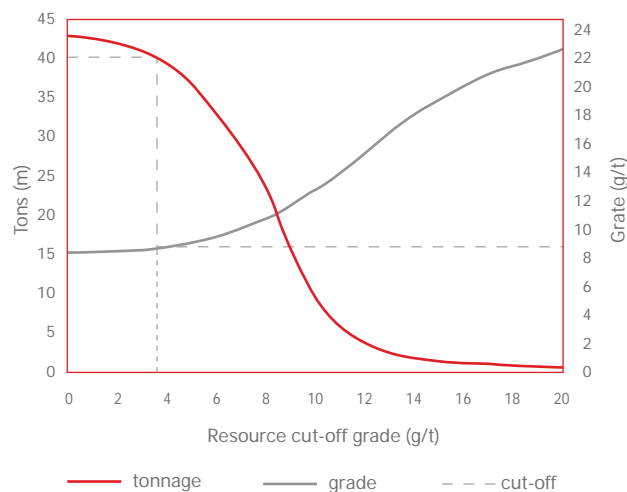
Operations	Proven				Probable				Total			
	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)	Tonnes (Mt)	g/t	Gold (000kg)	Gold (000oz)
Underground												
Elandsrand	11.5	6.50	74	2 395	26.2	6.11	160	5 146	37.7	6.23	234	7 541
GRAND TOTAL	11.5	6.50	74	2 395	26.2	6.11	160	5 146	37.7	6.23	234	7 541



Elandsrand – Section through main shaft and sub-shaft looking east
Not to scale



Elandsrand: grade tonnage curve (measured and indicated resources)



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Elandsrand shaft
Ventersdorp Contact Reef (VCR)

