

Table 1. Rhino population growth rates at BDR Captive Breeding Operation

KEY POPULATION PERFORMANCE & MANAGEMENT FEATURES AT BDR	BDR Results			RMG Black Rhino Observed Average (2009-2011, data from 133 breeding populations)	Criteria Levels
POPULATION GROWTH RATES:					
Average Achieved Ann. Growth Rate	9.75%		Excellent	5.84 to 7%	>=5%
Ann. Avg. Underlying Biological Growth Rate	12.23%		Excellent	c.7.5%	>=7%
MORTALITY FEATURES					
Average Annual Mortality Rate	4.59%		High	c.3%	<4%
Average Annual Poaching Rate	0.34%		Low	<1%	0% (<1%)
Other Human-Related Mortality Rate (Avg. Ann) [Translocation-related (capture, post-release fighting / stress), wire, fence etc)	1.29%		Somewhat High	<0.5%	0%
Infant Mortality Rate	9.07%	(45 of 496)	Moderate	12%	<10%
Introduction-related Mortality Rate	5.68%	(44 of 774)	OK-Below Average	7.30%	1%
REPRODUCTIVE PARAMETERS					
Average Age at First Calving	6.8 yrs	(27)	Good	7.55 yrs	<8 yrs
Average Inter-Calving Interval (conceived before arrival)	2.37 yrs	(50)	Good		
Average Inter-Calving Interval (conceived at BDR)	2.47 yrs	(208)	Good	2.97 yrs	<3 yrs
Average % Adult Females Calving per Year	35.0%		Average	c.32%	more than 33%, pref. 40%
Avg. % Calves of 0-1 year of age in the population Per Year	11%		Excellent	9%	>7.5%
SEX RATIOS:					
Calf Sex Ratio: % Male Calves Conceived off the CBO	56.20%	(141)	Normal	53% (not significant)	na
Calf Sex Ratio: % Male Calves Conceived on the CBO	53.22%	(355)	Normal	53% (not significant)	na
Average Adult Sex Ratio in Breeding Camps: Females Per Male	14.4 f/m		Very Highly Skewed	1.3 to 4 f/m	<=4 f/m

Adcock, K and Emslie, R. 2015. *White rhino population performance and management in a large scale captive breeding operation in NW Province: Table view Key Population performance and management features at BDR*. North West Province, South Africa. February 2015.