

Project Name: Blauwskop Housing Development

ENVIRONMENTAL RATING SIGNIFICANCE KEY			
Negative Impacts	Very Significant	Very High	>11 to -16
	Significant	High	>-7 to -11
	Increasing Significance	Medium	>-4 to -7
	Insignificant	Low	-2 to -4
		Very Low	-1 to +2
Positive Impacts	Significant	High	10 to 16
	Increasing Significance	Medium	4 to <10
	Insignificant	Low	1 to <4

Number	Aspect	Nature of Impact	Without Mitigation (Baseline)				Without Mitigation Score (Baseline)	With Mitigation				With Mitigation Score (Impact Assessment)	
			Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)		Receiving Environment (Consequence)	Probability (Likelihood)	Extent	Duration (Frequency)		Magnitude (Intensity/Severity)
CONSTRUCTION PHASE													
1	Botanical	Geology & soils	-4	-2	-2	-4	-4	-2	-2	-2	-4	-2	-3
2		Land-use and cover	-8	-2	-2	-4	-4	-4	-2	-2	-4	-2	-3
3		Vegetation status	-8	-2	-2	-4	-4	-4	-4	-2	-4	-2	-3
4		Conservation priority:	-8	-2	-2	-16	-4	-7	-4	-2	-4	-2	-3
5		Connectivity:	-8	-2	-2	-4	-4	-4	-2	-2	-4	-2	-3
6		Protected & endangered plant species:	-8	-4	-4	-2	-2	-4	-4	-2	-2	-4	-3
7		Invasive alien plant species	-8	-4	-4	-2	-2	-4	-4	-2	-2	-2	-3
8		Veld fire risk	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
9		Cumulative impacts	-8	-4	-4	-2	-2	-4	-4	-2	-2	-4	-3
10		The "No-Go" option	-8	-2	-2	-4	-4	-4	0	0	0	0	0
11	Heritage	Lithic occurrences	-4	-2	-2	-2	-2	-3	-2	-2	-2	-2	-2
12		No graveyards present within the proposed site for development	-4	-2	-2	-2	-2	-3	-2	-2	-2	-2	-2
13	Palaeontology	Palaeontological significance (low)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
14		Impact on Freshwater Resources – Construction phase. Destruction of	-8	-4	-2	-8	-8	-6	-2	-2	-2	-2	-2
15	Freshwater	Operational phase. Litter and sewage into the drainage lines and Orange Riv	-8	-4	-2	-8	-8	-6	-4	-2	-2	-4	-3
16		Socio-economic	Creation of short-term employment opportunities during the construction phase.	8	2	2	4	2	4	8	2	2	4
17	Dust	Dust will be generated during the construction of the proposed development which may impact drivers and commuters.	-8	-2	-2	-4	-4	-4	-4	-2	-2	-4	-3
18	Visual	Site may be not aesthetic amid natural background.	-8	-2	-2	-4	-4	-4	-4	-2	-2	-4	-3
19	Noise	Noise will be generated during the construction phase.	-8	-2	-2	-4	-4	-4	-4	-2	-2	-4	-3
20	Unsustainable sourcing of raw materials	Illegal sourcing of raw materials, such as gravel, sand, water etc. promoting illegal mining operations causing significant damage to the environment.	-8	-4	-8	-8	-8	-8	-2	-1	-4	-8	-4
OPERATION PHASE													
21	Water supply	Increased pressure on water source for water supply.	-8	-4	-1	-8	-8	-6	-4	-4	-1	-4	-4
22	Sewage management	Increased production of sewage which requires effective management	-8	-2	-2	-16	-4	-7	-8	-2	-2	-4	-4
23	Solid waste management	Increased pressure on municipal waste removal services and illegal dumping of waste	-8	-2	-2	-16	-4	-7	-8	-2	-2	-4	-4
DECOMMISSIONING AND CLOSURE PHASES													
24	Waste	Demolition of infrastructure resulting in waste accumulation on-site and surrounding area.	-16	-2	-4	-8	-4	-7	-4	-1	-2	-2	-4
25	Soil and water	Exposed soil becoming prone to erosion and sedimentation of the drainage line.	-8	-2	-8	-8	-4	-6	-2	-1	-2	-4	-3