

Calvinia BWS														
Nature of Impact			Without Mitigation (Baseline)					Without Mitigation Score (Baseline)	With Mitigation					With Mitigation Score (Impact Assessment)
Number	Aspect	Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Significance/Consequence)		Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Significance/Consequence)	
CONSTRUCTION PHASE														
1	Freshwater Resources	Loosening of soil during construction phase, washing of soil down the drainage line and into the Oorlogskloof River during a storm event	-8	-2	-8	-8	-8	-7	-8	-2	-2	-2	-2	-3
2		Building material, rubble and litter washing down the drainage line and into the Oorlogskloof River	-8	-2	-8	-8	-8	-7	-8	-2	-2	-2	-2	-3
3		Construction of Reno mattresses and gabions, further downstream erosion.	-8	-2	-8	-16	-4	-8	-8	-2	-2	-2	-2	-3
4		Leaks in pipeline, formation of wetlands where it should be naturally dry	-8	-2	-8	-16	-4	-8	-4	-2	-2	-4	-2	-3
5	Botanical	Possible impact on socio-economic activities	-4	-1	-4	-1	-4	-3	-2	-1	-2	-1	-2	-2
6		Possible loss of vulnerable or endangered vegetation and associated habitat.	-4	-2	-4	-2	-4	-4	-4	-1	-4	-1	-4	-3
7		Possible impact on Protected areas, CBA, ESA or centres of endemism.	-4	-2	-4	-2	-8	-4	-4	-1	-4	-1	-4	-3
8		Possible loss of ecological migration corridors.	-4	-2	-4	-2	-2	-3	-4	-1	-4	-1	-4	-3
9		Potential impact on threatened or protected plant species.	-4	-2	-4	-2	-4	-4	-4	-1	-4	-1	-4	-3
10		Possible alien infestation as a result of activities.	-2	-2	-4	-2	-4	-3	-1	-1	-2	-1	-2	-1
11		The risk of veld fires as a result of the proposed activities.	-2	-2	-4	-4	-4	-4	-1	-1	-1	-1	-1	-1
12		No-Go	-8	-1	-8	-1	-2	-4	0	0	0	0	0	0
13	Impact on Palaeontological Resources	Possible destruction of fossil heritage	-8	-1	-8	-1	-1	-3	-8	-1	-8	-1	-1	-3
14	Impact on Archaeological Resources	The one occurrence of MSA core, located on the Farm No. 114, near BH3, (Cal_Phase3_9).	-2	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1	-2
15		Twelve occurrences of historical features and material recorded on the Farm Aurets Kloof No. 854, in a 70-160m radius from BH 1 (Cal_S2_4) and BH2 (Cal_S2_3).	-4	-4	-1	-4	-4	-4	-4	-4	-1	-4	-4	-4
16		Three graves enclosed by stonewalls, AUK001, less than 50m from BH1 (Cal_S2_4).	-4	-4	-1	-16	-16	-9	-4	-4	-1	-16	-16	-9
17		The two occurrences of historical material identified on Parcels 1447 and 300.	-2	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1	-2
18	Socio-economic	Creation of short- and long-term employment opportunities.	8	2	2	2	2	3	8	2	2	2	2	3
19	Dust	Dust will be generated during the construction of the proposed development which may impact drivers on the R355 and R27	-2	-1	-2	-2	-2	-2	-1	-1	-2	-1	-1	-2
20	Visual	Site may be not aesthetic amid natural background.	-4	-1	-2	-2	-2	-3	-4	-1	-2	-1	-1	-2
21	Traffic	Increase in trucks slowing down and turning to enter/ Construction area.	-2	-1	-2	-2	-2	-2	-2	-1	-2	-1	-1	-2

22	Noise	Noise will be generated during the construction phase.	-2	-1	-2	-1	-1	-2	-2	-1	-2	-1	-1	-2
OPERATIONAL PHASE														
23	Socioeconomic	Creation of short- and long-term employment opportunities.	4	1	2	1	2	2	4	1	2	1	2	2
24		Improvement in water availability in the community.	8	4	16	8	8	9	8	4	16	8	8	9