

Komaggas Pipeline														
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)	
<b>CONSTRUCTION PHASE</b>														
1	Freshwater Resources	Disturbance of river bed during trenching	-8	-2	-8	-4	-4	-6	-8	-2	-2	-2	-2	-3
2		Disturbance of drainage lines at crossings during the dismantling and construction of the new pipelines at drainage line crossings	-8	-2	-8	-4	-4	-6	-8	-2	-2	-2	-2	-3
3		Create preferential flow paths	-8	-2	-8	-16	-4	-8	-8	-2	-2	-8	-2	-4
4		Disrupt flow and promote replenishment of ground water as a result of reconstruction of retaining walls in Buffels River	-8	-2	-8	-16	-4	-8	-8	-2	-2	-16	-4	-6
5	Botanical	Possible impact on socio-economic activities as a result of the temporary disturbance along the underground pipeline route (13 - 14km), which might impact on grazing practices.	-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	-2	-1	-4	-1	-2	-2
7		Possible impact on Protected areas, CBA, ESA or centres of endemism.	-4	-2	-4	-2	-8	-4	-2	-1	-2	-1	-4	-2
8		Possible loss of ecological corridors.	-4	-2	-4	-2	-2	-3	-2	-1	-2	-1	-2	-2
9		Potential impact on threatened or protected plant species.	-4	-2	-4	-2	-4	-4	-2	-1	-2	-1	-2	-2
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	-2	-1	-3	-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	Loss and/or damage to potential fossils within the construction footprint	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1	-1	-1
14	Impact on Archaeological Resources	Loss and/or damage to potential pre- colonial archaeological and historical sites within the construction footprint	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
15	Socio-economic	Creation of short- and long-term employment opportunities.	8	2	2	2	2	3	8	2	2	2	2	3
16	Dust	Dust will be generated during the construction of the proposed development which may impact drivers on the N7.	-2	-1	-2	-2	-2	-2	-1	-1	-2	-1	-1	-2
17	Visual	Site may be not aesthetic amid natural background.	-4	-1	-2	-2	-2	-3	-4	-1	-2	-1	-1	-2
18	Traffic	Increase in trucks slowing down and turning to enter/ Construction area.	-2	-1	-2	-2	-2	-2	-2	-1	-2	-1	-1	-2
19	Noise	Noise will be generated during the construction phase.	-2	-1	-2	-1	-1	-2	-2	-1	-2	-1	-1	-2
<b>OPERATIONAL PHASE</b>														
20	Freshwater Resources	Destruction of tree line as a result of ongoing abstraction of water from the alluvium	-8	-2	-8	-16	-4	-8	-8	-2	-2	-8	-4	-5
21	Socioeconomic	Creation of short- and long-term employment opportunities.	4	1	2	1	2	2	4	1	2	1	2	2
22		Improvement in water services in the community.	8	4	16	4	4	8	8	4	16	4	4	8