

KAKAMAS WWTW														
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	Biodiversity	Potential impact on special habitats (e.g. true quartz or "heuweltjies")	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
2		Loss of vulnerable or endangered vegetation and associated habitat.	-1	-1	-1	-1	-4	-2	-1	-1	-1	-1	-4	-2
3		Potential impact on protected areas, CBA's, ESA's or Centre's of Endemism.	-1	-1	-1	-1	-4	-2	-1	-1	-1	-1	-4	-2
4		Potential loss of ecological migration corridors.	-1	-1	-1	-1	-4	-2	-1	-1	-1	-1	-4	-2
5		Potential impact on threatened or protected plant species.	-2	-1	-1	-1	-2	-2	-2	-1	-1	-1	-2	-1
6		Potential impact on mammals, reptiles, amphibians	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
7		Potential impact on AviFauna	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
8		Cumulative impact associated with proposed activity.	-2	-1	-4	-1	-4	-3	-2	-1	-4	-1	-4	-2
9	Freshwater Resources	Freshwater impact from levelling the ground, digging of trenches for foundations, construction of the new WWTW and cleaning up after construction	-4	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1	-1
10	Heritage	Potential impact on Middle Stone Age (MSA) lithic scatters	-1	-1	-2	-2	-8	-3	-1	-1	-2	-1	-8	-3
11		Potential impact on Graves	-2	-2	-16	-16	-8	-9	-1	-2	-2	-2	-8	-3
12		Cumulative impact associated with proposed activity.	-2	-2	-2	-2	-4	-3	2	2	3	2	4	3
13	Palaeontology	No impacts expected	0	0	0	0	0	0	0	0	0	0	0	0
14	Agriculture	No loss of potential cropland and minimal loss of future agricultural production potential.	-1	-1	-4	-1	-1	-2	-1	-1	-4	-1	-1	-2
15	Visual	Site may not be aesthetic amid natural background.	-8	-1	-2	-2	-2	-3	-8	-1	-2	-2	-2	-3
16	Socio-economic	Creation of short- and long term employment opportunities.	8	1	2	1	1	3	8	1	2	1	1	3
17		Increased use of social amenities and services	-6	-1	-4	-1	-1	-3	-4	-1	-2	-1	-1	-2
18	Traffic	Increase in trucks and other construction vehicles.	-6	-1	-2	-2	-2	-3	-2	-1	-2	-1	-2	-2
19	Noise	Noise will be generated during the construction phase.	-6	-1	-2	-1	-1	-3	-2	-1	-2	-1	-1	-1
20	Dust	Dust will be generated during the construction of the proposed development.	-4	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1	-1
OPERATIONAL PHASE														
21	Freshwater	Untreated sewage ending up in the aquatic environment, Treated effluent into the aquatic environment , Leaky pipes and conduits.	-8	-1	-8	-4	-4	-5	-4	-1	-8	-2	-2	-3
22	Visual	Visual impact minimal for low-lying infrastructure on the urban edge of surrounding landscape	-8	-1	-2	-2	-2	-3	-8	-1	-2	-2	-2	-3
23	Socio-economic	Increase employment opportunities	4	1	8	1	1	3	4	1	8	1	1	3
24		Enhanced supply of bulk services	8	1	8	4	4	5	8	1	8	4	4	5
25	Smell	Increased smell	-4	-1	-8	-1	-1	-3	-2	-1	-8	-1	-1	-3