Project Name: New Wave Dam Nature of Impact							Without Mitigation (Baseline)							
	NVIRONMENTAL RATING S			Number	Aspect	Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	Without Mitigation Score (Baseline)	Probability (Likelihood)	Extent
			ne i				()		(()/	()	CONSTRUC	TION PHASE	
2	SIGNIFICANCE	RATING	Final rating score / value range	1	Soil contamination	Soil contamination caused by construction workers answering nature calls out in the bush and fuel spilling onto the ground during refueling	-7	-3	-2	-7	-3	-5	-2	-2
Impacts	Very Significant	Verv High	>11 to -16	2	Dust generation	On site dust nuisance due to inadequate dust control measures.	-7	-2	-2	-4	-2	-4	-3	-2
0	Significant	High	>7 to -11	3		Insufficient number of toilets and / or inappropriate disposal of sewage	-7	-3	-2	-3	-3	-4	-1	-1
Negativ	Increasing Significance Insignificant	Medium Low Very Low	>-4 to -7 -2 to -4 -1 to <-2	4	Waste disposal	Littering, inappropriate disposal of spoil and inappropriate disposal of cleared plant material	-7	-3	-2	-3	-3	-4	-1	-1
9 g g	SIGNIFICANCE	RATING	Final rating score / value range	5		Clearance of indigenous vegetation from proposed site	-2	-1	-2	-2	-1	-2	-1	4
Positive	Significant	High Nedium	10 to 16 4 to <10	. 6		Potential impact on rare or protected species	-1	-1	-2	-1	-1	-2	-1	-1
	Insignificant	Low	1 to <4	7	Biodiversity	Impact on the ESA riparian area	-8	-2	-8	-7	-2	-6	-5	-2
				8		Connectivity: Potential loss of ecological corridors.	-4	-4	-2	-3	-2	-3	-2	-2
				9		Cumulative impacts: Cumulative impact associated with proposed activity.	-5	-2	-8	-4	-8	-6	-4	-8
				10	Services	Increased demand on services impacting current services capacity (i.e. increased demand for water, electricity, sewage disposal).	0	0	0	0	0	0	0	0
				11	chaeological Palaeo	Heritage resources of significance may be damaged.	-1	-2	-8	-1	-1	-3	-1	-1
				12		Loss and/or damage to archaeological resources.of significance	-1	-2	-8	-1	-1	-3	-1	-1
				13	Freshwater	Contaminated water from the proposed site and other pollutants may reach the NFEPA Olifants River	-7	-2	-2	-6	-14	-7	-3	-2
				13	Noise	Potential noise generated by construction work	-5	-1	-2	-2	-2	-3	-2	-1
				14	Visual	Eyesore caused by earthmoving activities, construction vehicles gathered in one place, construction site office, etc. Creation of short-term employment opportunities during the dam	-3	-2	-2	-2	-1	-2	-3	-2
				15	Socio-economic	construction phase	16	7	5	9	4	9	8	8
												OPERATIO	NAL PHASE	
				1	Visual	Loss of sense of place caused by the new dam on a spot where there was previously no dam	-2	-2	-2	-2	-2	-2	-2	-2
				2	Socio-economic	Increased job security for existing farm workers .	16	6	16	16	16	14	16	6

With Mitigation				Short Description of some
Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	With Mitigation Score (Impact Assessment)	Short Description of some Mitigation Measures / Enhancement Measures
				provided for workers and the
-2	-3	-2	-3	toilets must be placed at least 32m from the nearest bank of
		-		more than 30km per hour and
-2	-1	-2	-2	the site should be sprayed
				with water whenever dust
				occupants of vehicles that
-2	-1	-1	-2	come to the site and leave the
				site must be kept aware that
				littering is not allowed. This
-2	-1	-1	-2	occupants of vehicles that come to the site and leave the
-			-	site must be kept aware that
-2	-1	-1	-2	The recommendation containe
				The EMPr as well as the
				recommendations contained
-1	-1	-1	-1	in the biodiversity compliance
				statement must be
		-		implemented.
-8	-2	-2	-4	recommendations contained in the freshwater specialist
		-		The EMPr as well as the
-2	-2	-2	-2	recommendations contained
				in the freshwater specialist
-8	-3	-3	-6	
-				The EMPr as well as the recom
0	0	0	0	
				encountered during constrution that is suspected
-1	-1	-1	-1	of being of heritage
				significance, construction work
				must be paused and Heritage
				encountered during
-1	-1	-1	-1	constrution that is suspected of being archaeologically
		-		
-2	-2	-3	-3	cut off the proposed site from the surrounding catchment
-			-	must be dug and maintained All construction vehicles must
-2	-1	-1	-2	be fitted with standard silencers. All silencers must be
				No mitigation measures
-2	-2	-1	-2	suggested, as mitigation
4	4	4	6	
	-2	1		No mitigation measures
		-2	-2	suggested, as mitigation measures
-2	-2	-		will not make much of a difference
-2 16	-2	16	- 14	will not make much of a difference