	Project Name:	New Way	/e Dam			Nature of Impact	Without Mitigation (Baseline)							
EN	ENVIRONMENTAL RATING SIGNIFICANCE KEY				Aspect	Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	Without Mitigation Score (Baseline)	Probability (Likelihood)	Extent
						-					CONSTRUC	TION PHASE		
Impacts	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 etc	-7	-3	-2	-7	-3	-5	-2	-2
	Very Significant	Very 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
Negative I	Significant Increasing Significance	High Medium	>-7 to -11 >-4 to -7	3	Waste disposal	Insufficient number of toilets and / or inappropriate disposal of sewage	-7	-3	-2	-3	-3	-4	-1	-1
ž	Insignificant	Low Very Low	-2 to -4 -1 to <-2	4		Littering, inappropriate disposal of spoil and inappropriate disposal of cleared plant material	-7	-3	-2	-3	-3	-4	-1	-1
\$£	SIGNIFICANCE	RATING	Final rating score / value range	5	Terrestrial biodiversity	Clearance of indigenous vegetation from proposed site	-2	-1	-2	-2	-1	-2	-1	-1
Positive Impacts	Significant Increasing Significance	High Medium	10 to 16 4 to <10	6		Potential impact on rare or protected species	0	0	0	0	0	0	0	0
	linsignificant	Low	1 to <4	7		Impact on the ESA riparian area	-8	-2	-8	-7	-2	-6	-2	-2
						Connectivity: Potential loss of ecological corridors.	-4	-4	-2	-3	-2	-3	-2	-2
				9		Cumulative impacts: Cumulative impact associated with proposed activity.	0	0	0	0	0	0	0	0
				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 Palaeor	Heritage resources of significance may be damaged.	-2	-2	-2	-2	-2	-2	-1	-1
			12		Loss and/or damage to archaeological resources.of significance	-1	-2	-8	-1	-1	-3	-1	-1	
				13	Freshwater	Contaminated water, sediment and other pollutants from the proposed site may reach the Olfants River. Potential damage to the remaining riparian corridor.	-13	-3	-2	-6	-14	-8	-2	-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.	-3	-2	-2	-2	-1	-2	-3	-2
				15	Geotechnical	Dam structural deficiencies Creation of short-term employment opportunities during the dam	-16	-1	-4	-9	-10	-8	-1	-3
				16	Socio-economic	construction phase	10	2	4	4	4		NAL PHASE	
				1	Freshwater	Stormwater contamination, seepage and increased agricultural return flow, resulting in eutrophication.	-16	-2	-2	-2	-2	-5	-1	-1
				2	Terrestrial biodiversity	Loss of ecological connectivity	-1	-2	-1	-1	-1	-2	-1	-2
				3	Socio-economic	Increase in the water security of the farm and consequent increase in job security	16	2	4	3	6	7		

With Mitigation			Short Description of some		
Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	With Mitigation Score (Impact Assessment)	Mitigation Measures / Enhancement Measures	
		1		1	
-2	-3	-2	-3	provided for workers and the toilets must be placed at least	
-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	
-		-2	-2	with water whenever dust	
				Workers on the site and one	
			-2	occupants of vehicles that	
-2	-1	-1		come to the site and leave the site must be kept aware that	
				littering is not allowed. This	
-2			-2	occupants of vehicles that	
-2	-1	-1		come to the site and leave the	
				site must be kept aware that ine recommendation	
-2	-1	-1	-2	contained in the Biodiversity	
-2			-2	Compliance Statement	
				The EMPr as well as the	
			0	recommendations contained	
0	0	0		in the biodiversity compliance	
				statement must be	
				implemented.	
-8	-2	-2	-4	dam wall and keep clearing	
-8	-2	-2	-4	alien vegetation regularly fro	
				The EMPr as well as the	
-2	-2	-2	-2	recommendations contained	
				in the freshwater specialist	
0	0	0	0		
0	0	0	0		
-					
				encountered during	
				constrution that is suspected	
-1	-1	-1	-1	of being of heritage	
				significance, construction wo	
				must be paused and Heritage	
				encountered during	
-1	-1	-1	-1	constrution that is suspected	
				of being archaeologically	
		-3	-3	the dry season and pave the	
-2	-2			toe of the dam.	
				Reep construction work mo     All construction vehicles mus	
-2	-1	-1	-2	be fitted with standard	
-2	-1	-1	-2	silencers. All silencers must b	
				Complete project as soon as	
-2	-2	-1	-2	possible	
	-1	-1		Import suitable material to sit	
-1	-1	-1	-2	for dam foundation. Use	
			#DIV/0!	Employ local residents over	
	L			other people as much as	
				Alternative the secondary 1 and	
-1	-1	-1	-2	<ul> <li>Vegetate the new dam wall with indigenous plants under the</li> </ul>	
		-		residence of an accredited botani Vegetate the new dam wall with	
-1	-1	-1	-2	indigenous plants under the	
	1			Authorise either of the other dan	