

Nature and Consequences of impact	Duration / Frequency of activity likely to cause impact	Geographical Extent	Severity (level of damage caused) if impact were to occur	Probability of impact without mitigation	Significance before application of Mitigation Measures	Will activity cause irreplaceable loss of resources?	Mitigation	Probability of impact after mitigation	Significance after application of Mitigation Measures
The following table rates impacts after the application of mitigation measures and operates on a scale of 0-14. A score of between 1 and 5 is rated as low. A score of between 6 and 10 is rated as medium. A score of between 11 and 14 is rated as high.	0 = No impact 1 = short term / once off 2 = medium term / during operation 3 = long term / permanent	0 = No impact 1 = point of impact / restricted to site 2 = local / surrounding area 3 = regional	0 = No impact 1 = minor; 2 = medium 3 = medium 5 = major	0 = No impact 1 = Low 2 = Medium 3 = High	1 - 5 = low. 6 - 10 = medium. 11 - 14 = high.	10 = Yes = No	0 = No impact - 5 = can be fully mitigated - 3 = can be partially mitigated - 1 = unable to be mitigated	0 = No impact 1 = Low 2 = Medium 3 = High	1 - 5 = low. 6 - 10 = medium. 11 - 14 = high.
	A	B	C	D	Significance	E	F	G	Significance
Construction									
1. There is the potential for erosion to take place within the tributaries of the Bazangoma and Mpipambi Rivers resulting in downstream sedimentation of this eroded material. This is attributed to the clearing and the operation of the construction site within the tributaries of the Bazangoma and Mpipambi Rivers.	1	2	1	3	7	0	-3	1	5
2. There is the potential for sedimentation to take place within the tributaries of the Bazangoma and Mpipambi Rivers due to the temporary crossing. The sedimentation may be minor to continual usage of the crossing or major due to a complete failure of crossing	1	2	1	3	7	0	-3	1	5
3. The habitat for fauna living within the construction footprint will be modified due to the excavation and construction activities taking place within the tributaries of the Bazangoma and Mpipambi Rivers.	1	1	3	2	7	0	-3	1	5
4. Clearing of the two pipe culvert sites (RC1 and RC2) resulting in the loss of vegetation within the Paulpietersburg Moist Grassland. There will be clearing of up to 79.36m ² of vegetation for the construction of the two pipe culverts.	1	2	1	3	7	0	-5	0	2
5. Removal of alien invasive vegetation found within the pipe culvert construction sites.	0	0	0	0	0	0	0	0	0
6. Careless operation by the contractor within the tributaries of the Bazangoma and Mpipambi Rivers resulting in damage to these River tributaries, i.e. the riverbed, banks and riparian zones within the construction footprint and adjacent areas	1	1	3	1	6	0	-5	0	1
7. Disturbance of the sites (RC1 and RC2) due to construction activities resulting in the encroachment of alien vegetation into disturbed areas i.e. Castor Oil.	1	1	3	1	6	0	-5	1	2

