

NO-GO ALTERNATIVE: BONATHABA DAM: THE PROPOSED DEVELOPMENT OF AN INSTREAM DAM ON PORTIONS 2 AND 3 OF FARM NO. 1100, BONATHABA																
Nature of Impact			Without Mitigation (Baseline)					Without Mitigation Score (Baseline)	With Mitigation					With Mitigation Score (Impact Assessment)	Proposed Mitigation	
Number	Aspect	Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Consequence)		Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Consequence)			
<b>CONSTRUCTION PHASE</b>																
1	Botanical	Loss of Swartland Shale Renosterveld (CR) - degradation over time due to edge effects and intensive agricultural activities associated with land use.	-2	-2	-2	-2	-2	-2							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended however, due diligence must be maintained.	
2		Loss of ESAs - degradation over time due to edge effects and intensive agricultural activities associated with land use.	-2	-2	-2	-2	-2	-2	-2							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended however, due diligence must be maintained.
3		Soil Contamination	-2	-2	-2	-2	-2	-2	-2							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended however, due diligence must be maintained.
4	Freshwater	Loss of Riparian Habitat - degradation over time due to edge effects and intensive agricultural activities associated with land use.	-2	-2	-2	-2	-2	-2	-2							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended.
5		Alteration of Hydrology of the drainage line - degradation over time due to edge effects and intensive agricultural activities associated with land use.	-2	-2	-2	-2	-2	-2	-2							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended.
6		Surface water & ground water contamination	-2	-2	-2	-2	-2	-2	-2							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended however, due diligence must be maintained.
7		Erosion & Sedimentation - degradation over time due to edge effects and intensive agricultural activities associated with land use.	-16	-2	-8	-8	-4	-8	-8							The area is susceptible to high erosion which may result in sedimentation of watercourses present within the proposed site for development.
8	Existing water right	The use of the existing water right will not be realized - resulting in decreased water supply for agricultural activities.	-16	-2	-8	-8	-4	-8	-8							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended.
9	Socioeconomic impacts	No ensurance of irrigational supply will be realized - resulting in an inability to sufficiently water agricultural areas. This will result in decreased productivity.	-16	-4	-16	-16	-4	-12	-12							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended.
10		Employment and skill development opportunities will not be realized.	-16	-2	-8	-16	-4	-10	-10							The implementation of the no-go option would mean the status quo of the environment will remain the same. No mitigation measures recommended.