

SIGNIFICANCE PRE-MITIGATION							SIGNIFICANCE POST MITIGATION							MITIGATION TYPE	MITIGATION	
DECOMMISSIONING AND REHABILITATION PHASE OF PROSPECTING ACTIVITIES																
Aspect, Activity & Potential Impact	Status	Probability	Extent	Duration	Intensity	Significance Score	Rating	Status	Probability	Extent	Duration	Intensity	Significance Score	Rating	(Modify, Remedy, Control, Stop)	Mitigation Measure
Impact on soils, surface and groundwater pollution																
Potential soil and pollution from hydrocarbon spillages, waste disposal practice and open boreholes	Negative		2	1	2	4	14 Moderate	Negative		1	1	2	2	5 Low	Control & Remedy	<ul style="list-style-type: none"> All fuel storage tanks will be emptied prior to removal; Drill holes must be permanently capped as soon as possible to eliminate risk of groundwater contamination; Wastes will be removed and disposed of at a licensed landfill site and recyclables will be taken to a licensed recycling facility; No activities are to be undertaken neither within the north-eastern section of the project site nor within 50m buffer zones upheld to wetland and riparian zones. These areas are regarded as no go zones for prospecting activities.
Soil erosion from respreading of topsoil before vegetation has re-established	Negative		3	1	2	2	15 Moderate	Negative		1	1	2	2	5 Low	Control & Remedy	<ul style="list-style-type: none"> If erosion has occurred, usable soil should be sourced and replaced and shaped to reduce the recurrence of erosion; Keep grazers out of rehabilitated areas, if possible, until suitable vegetation cover has established. Progressive monitoring must take place
Fauna and Flora Impact																
Destruction and or disturbance of on site fauna and flora at disturbed areas to rehabilitate sites and decommission prospecting activities which include removal of drill pads, backfilling trenches and bulk sampling areas, capping of boreholes, respreading of stockpiled topsoil over denuded areas	Negative		2	1	2	6	18 Moderate	Negative		1	1	2	4	7 Low	Remedy	<ul style="list-style-type: none"> Limit bush clearing and conduct concurrent rehabilitation with follow-up inspections to decide effectiveness of rehabilitation steps undertaken Use existing tracks and roads as far as possible; Avoid damage to indigenous vegetation and species of conservation concern (large protected trees) whilst removing prospecting infrastructure; Close drill holes, trenches as soon as possible after drilling and sampling activities have completed to avoid risk of fauna or livestock falling into open drill holes, trenches; Drill holes must be permanently capped and trenches backfilled as soon as possible after sampling and testing is completed at prospecting sites
Poor vegetation re growth post decommissioning and re habilitation of target areas could lead to degradation of the ecology	Negative		2	1	3	6	20 Moderate	Negative		1	1	2	4	7 Low	Control & Remedy	<ul style="list-style-type: none"> Rehabilitate pits, trenches and bulk sampling sites immediately after sampling, concurrent rehabilitation, do not wait until the end to rehabilitate; Revegetation of disturbed areas will be undertaken immediately after prospecting activities; Keep topsoil for rehabilitation to promote effective re vegetation Keep topsoil separate from other materials (overburden or waste materials). Monitor re vegetated areas Remove all alien vegetation from the site which has established on newly exposed soils
Establishment of alien vegetation during re-vegetation of disturbed areas	Negative		2	1	3	6	20 Moderate	Negative		1	1	2	2	5 Low	Control & Remedy	Eradicate alien vegetation during the lifecycle of the project and monitor post-rehabilitation
Noise Impact																
Decommissioning and rehabilitation of prospecting sites and the site camp will generate noise which would impact on the ambient noise level. This may cause a nuisance to SANDF, communities	Negative		3	1	2	1	12 Low	Negative		2	1	2	1	8 Low	Control	<ul style="list-style-type: none"> Activities are to take place during daytime period 07h00 to 17h00;
Air Quality & Dust																

Dust emissions from decommissioning and rehabilitation activities removal of drill pad, backfilling of trenches and bulk sampling sites, capping of boreholes, ripping of disturbed areas(vehicle entrained dust)	Negative	3	1	2	1	12	Low	Negative	2	1	2	1	8	Low	Control	<ul style="list-style-type: none"> Wet dust suppression will be undertaken to manage dust emissions from vehicle movement as necessary;
Impact on Traffic																
Increased traffic along main gravel route during decommissioning and rehabilitation of prospecting sites and increased traffic on R525 Punda Maria road when equipment is removed and transported off site	Negative	2	3	1	1	10	Low	Neutral	1	3	1	1	5	Low	Control	<ul style="list-style-type: none"> Limit unnecessary vehicle movement Relocation of prospecting machinery must not be undertaken during peak traffic times along main gravel roads and regional roads

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