

1.4. APPENDIX A.4: IMPACT ASSESSMENT

	IMPACTS				CONSEQUENCE						PROBABILITY		WOM		CONFIDENCE	IMPLEMENTATION OF MANAGEMENT MEASURES	MITIGATION EFFICIENCY		WM	DEGREE REVERSABILITY & LOSS OF RESOURCE				
	Type	Description	Cumulative	Nature	Extent (A)		Duration (B)		Intensity (C)		Probability (P)		SIG.				SIG.	Loss of Resources		Reversibility				
CONSTRUCTION PHASE																								
Establish Central Storage Shed	Direct	Loss of biodiversity	Yes	Negative	Site	1	Incidental	1	Low	1	Possible	10	Low	30	High	100	No management measures required	Very Low	20%	Low	No Loss	0	Reversible	100
	Direct	Loss of habitat	Yes	Negative	Site	1	Short-term	2	Low	1	Likely	15	Low	60	High	100	No management measures required	Very Low	20%	Low	No Loss	0	Reversible	100
OPERATIONAL PHASE																								
Drill Collar Sites	Direct	Loss of biodiversity	None	Negative	Site	1	Short-term	2	Low	1	Possible	10	Low	40	Medium	50	No management measures required	Low	40%	Low	No Loss	0	Reversible	100
	Indirect	Loss of habitat	None	Negative	Site	1	Short-term	2	Low	1	Possible	10	Low	40	High	100	No management measures required	Very Low	20%	Low	No Loss	0	Reversible	100
	Direct	Contamination from Sumps	None	Negative	Site	1	Short-term	2	Low	1	Possible	10	Low	40	Medium	50	Maintain a spill kit within the prospecting area to utilise when needed	Low	40%	Low	No Loss	0	Reversible	100
	Direct	Dust emissions	None	Negative	Site	1	Short-term	2	Low	1	Possible	10	Low	40	Medium	50	Implement dust suppression measures by watering of roads	Low	40%	Low	No Loss	0	Reversible	100
	Indirect	Emissions from vehicles and equipment (CO2, NOx, SOx, VOC's etc.)	None	Negative	Site	1	Short-term	2	Low	1	Possible	10	Low	40	Medium	50	Ensure all vehicles and/or equipment used within the construction phase are serviced according to the appropriate maintenance plan	Low	40%	Low	No Loss	0	Reversible	100
Sampling and Analysis	Not Applicable	None	None	None	None	0	None	0	None	0	None	0	None	0	None	0	No management measures required	None	0%	None	No Loss	0	Reversible	100
Pre- / Feasibility Study	Not Applicable	None	None	None	None	0	None	0	None	0	None	0	None	0	None	0	No management measures required	None	0%	None	No Loss	0	Reversible	100
Incidents, accidents and potential emergency	Indirect	Pollution incidents	Yes	Negative	Local	5	Short-term	2	Low	1	Possible	10	Low	80	Medium	50	Implement environmental awareness plan	Medium	60%	Low	No Loss	0	Reversible	100
	Indirect	Health and safety	No	Negative	Neighbouring	2	Long-term	8	Medium	5	Possible	10	Low	150	Medium	50	Implement environmental awareness plan	Very Low	20%	Low	No Loss	0	Reversible	100
Socio-Economic	Indirect	Safety and security	Yes	Negative	Neighbouring	2	Long-term	8	Medium	5	Likely	15	Low-Medium	225	High	100	Engage in permanent 24 hour security to control access at the camp	Low	40%	Low	No Loss	0	Reversible	100