

GATKOP CAVE										
Environmental impact, extent, duration, significance and degree to which impact has caused irreplaceable loss	Risk rating (before mitigation)			Environmental objective	Degree to which impact can be reversed and the supporting mitigatory action plan	Timeframe	Responsibility	Risk rating (after mitigation)		
	Probability	Magnitude	Severity					Probability	Magnitude	Severity
ENVIRONMENTAL COMPONENT: Archaeology and heritage										
ACTIVITY: Construction and operational activities										
PROJECT PHASE APPLICABILITY: Construction and operation phase										
<p><u>Impact description:</u> The Phase I HIA study for the Meletse Iron Ore Project revealed the presence of: Gatkop cave which has high archaeological, living heritage and scientific significance and which is currently used by traditional healers. The cave has low paleontological significance.</p> <p>The significance of possible impacts on Gatkop cave is as follow:</p> <p>Current direct impacts on Gatkop's cave (traditional healers, scientists, visitors)</p> <p>Indirect mining impacts (noise and dust levels, transformation of landscape, population and traffic increase)</p> <p><u>Probability of impact:</u> high</p>	5	5	H	Conserve and manage Gatkop cave by declaring the site a provincial heritage site.	<p><u>Degree to which impact can be reversed:</u> Medium</p> <p><u>Proposed mitigation:</u> Declare Gatkop cave a provincial heritage site. Implement management measures as determined by all stakeholders (SAHRA, traditional healers, scientists, Aquila)</p>	Commence prior to the construction phase Six months for SAHRA to declare the site a provincial heritage site. Six months to implement management program	ECO/ Environmental manager	3	3	M

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