

MINES AND STONEWALLED SITES										
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
<b>ENVIRONMENTAL COMPONENT:</b> Archaeology and heritage										
<b>ACTIVITY:</b> Construction and operational activities										
<b>PROJECT PHASE APPLICABILITY:</b> Construction and operation phase										
<p><u>Impact description:</u> The Phase I HIA study for the Meletse Iron Ore Project revealed the presence of prehistorical and historical remains consisting of mining sites and stone walled settlements, some with evidence for metal working. All the mines (MS01, MS02 and MS03) will be affected by the proposed open cast pit and by the proposed haul road (MS04). Some of the Late Iron stone walled sites will be affected by the proposed waste rock dump (LIA01) and by the proposed haul roads (LIA04, LIA05).</p> <p>The significance of possible impacts on the mines and stone walled settlements was determined using a ranking scale, based on the following:</p>	5	5	H	Identify, conserve and manage stone walled sites and sites without stone walls, some with evidence for metal working. No specific management measures other than avoiding these sites.	<p><u>Degree to which impact can be reversed:</u> Irreversible</p> <p><u>Proposed mitigation:</u> Phase 2 archaeological investigation. Archaeologist registered with ASAPA must obtain a permit from the SAHRA in order to conduct the necessary investigations. After the Phase 2 investigation has been completed the SAHRA may issue a permit for the demolishing of the mines and Late Iron Age stone walled</p>	Commence prior to the construction phase  Two months waiting for SAHRA permit.  Two months Phase 2 investigation	ECO/ Environmental manager	3	5	H

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	Probability	Magnitude	Severity					Probability	Magnitude	Severity
<u>Probability of impact:</u> high  <u>Magnitude of impact:</u> high (destroy)					sites.					