# ARCHAEOLOGICAL ASSESSMENT FOR THE RHINO ANDALUSITE MINE

A Phase 1 report prepared for Rhino Minerals

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### INTRODUCTION

andalusite on the farms Buffelsfontein 350 KQ and Tygerkloof 354 KQ near Thabazimbi to follow the ore body along the sides of a small range of hills. in the Limpopo Province. The Rhino Andalusite Mine, a division of Rhino Minerals, intends to explore for The exploration involves clearing a road and drilling, in order

Neighbours of the mine called attention to the existence of a possible 'ancient working' was also asked to examine the area designated for bush clearance and drilling area. In keeping with various Minerals, Environmental and Heritage legislation, ARM Minerals commissioned Archaeological Resources Management (ARM) to examine the in the area and a cave that could have archaeological interest. As a result, Rhino

#### METHOD

transferred to the 1: 50 000 maps 2427 CA Kaaldraai and 2427 CB Thabazimbi mine acted as guide. Sites were recorded with a hand-held GPS instrument and then One ARM staff visited the project area on 22 November 2004. Mr. K Makotore from the

potential to answer present research questions. Sites with no significance do not require secondary deposit), depth of deposit, number and variety of features, uniqueness and the Site significance was determined by standard criteria, including integrity (primary vs. high significance should not be disturbed at all further attention, low to medium significance may require mitigation, while sites with

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### Ancient Working

Site 1, the 'ancient working', stretches from 24 42 42.9S 27 16 12.4E to 24 42 39.3S 27 the type of ore and date of mining. (Figure 2). The trench and stope are unquestionably the result of Pre-Colonial mining. least four ventilation shafts about 20m apart, sealed off in recent times with metal grids 15 56.3E (Figure 1). It consists of a long open trench and an under ground stope with at The miners may have been after tin, but further investigation is necessary to determine

significance have been largely destroyed, this mine is virtually unique. These workings appear largely undisturbed. Since the other known ancient tin mines The site therefore has high

#### Care

but a Stone Age deposit could be covered by flowstone. Some walls appear to retain the deep, with a flat floor. A few potsherds lie on the floor. Stone artefacts are not obvious, small stalagmites hang from the drip line. The cave itself is about 10m wide and 4m a tufa deposit on the steep slope of a low hill. Recent flowstone covers most walls, and Site 2, the cave (24 43 12.4S 27 14 12E), is located near the new power line. It occurs in had ritual significance to early black farmers in the area vestiges of red ochre painting, and there is one crude yellow figure. Presumably, the cave

Because of the power line, the cave is well away from the mining zone, and mining activities do not pose a threat

## Road and Drill Zone

Sections 8 and 9 (24 42 56.1S 27 15 18.6E). The remains include upper and lower Moloko group (Figure 3), the style of pottery made by Sotho-Tswana people. were living huts. The pottery from these structures belongs to the *Icon facies* of the grindstones and at least four, burnt daga (mud and dung mixture) structures, two of which The remains of a Late Iron Age settlement, Site 3, occur at the junction of Mining

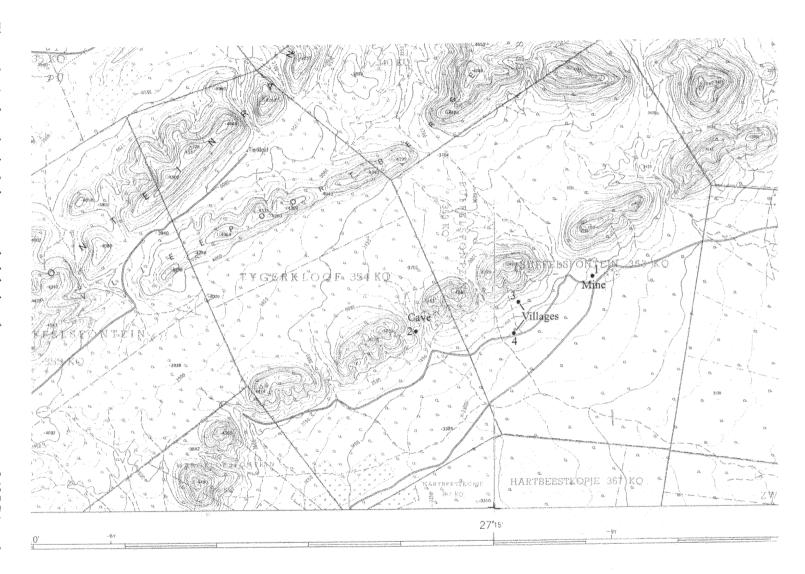
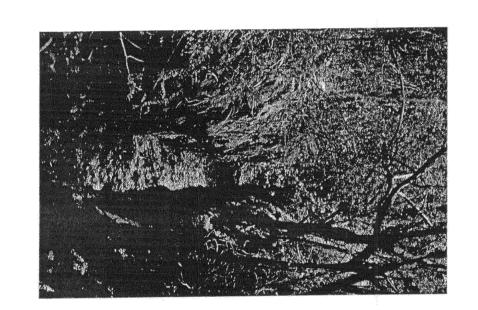


Figure 1. Archaeological sites recorded during the assessment on maps 2427CA and 2427CB.



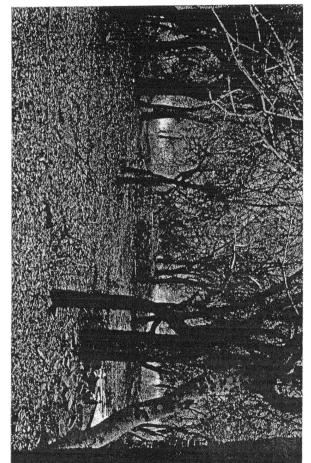


Figure 2. Site 1, ancient working. Open trench (above), ventilation shaft protected by bricks and grid (below).



Figure 3. *Icon* pottery from site 3.

pottery dates to between AD 1300 and 1500, and represents the first movement of Sotho-Tswana into this area.

The variety of features and good preservation gives Site 3 medium significance.

road a few hundred metres below the first village. The pottery appears to be the same. from iron smelting is also associated. Pottery, stone and daga are scattered along the road for about 50m. A small piece of slag A second Moloko settlement (24 43 17.7S 27 15 12.8E), Site 4, lies exposed in a farm

Site 4 stands outside the project area and is not in further danger.

## RECOMMENDATIONS

proposed mining area before work begins. Most of this area, however, is covered in thick representative sample of the mining zone available for archaeological assessment. drilling programme should proceed first so that the new road system can make a stands of Dichrostachys, a particularly difficult bush to penetrate. Consequently, the The remains of the Moloko villages emphasize the need to examine the rest of the

examples of other time periods should receive the same treatment. ceramic and other artefact samples and charcoal for radiocarbon dating. The best the best example, some of the huts should be excavated to provide architectural details, Depending on the results, the first Moloko village, Site 3, may require mitigation. If it is

the cave should be fenced and a small notice board erected warning visitors about the Mining does not endanger the cave, but visitors pose a threat to the flowstone. Perhaps fragile nature of the formation.

outside the mining zone, it nevertheless needs protection against accidental damage and blasting on the underground stope needs to be monitored by specialists other unforeseen dangers. A fence is an appropriate measure. Furthermore, the impact of The ancient working is worthy of official recognition as a heritage site. Although it lies

project should not continue If these recommendations are accepted, there is no archaeological reason why the mining