

MOORINA E.L. 22/2002
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SUMMARY

Twenty-five pan samples of sediments were taken from the alluvial flats adjacent to the Ringarooma River on E.L. 22/2002 during 2004-2005.

Work to date has confirmed that the EL contains areas of medium grade alluvial cassiterite. A bulk sampling plant has been purchased to conduct follow-up sampling on a number of these sites of interest. This will enable the economic viability of mining these areas to be determined. This work will be undertaken during the coming spring/summer.

INTRODUCTION

The Moorina EL 22/2002 has a total area of approximately five square kilometers. It is situated approximately five kilometers east of Derby, in northeast Tasmania near the old mining township of Moorina. Historical tin miners processed alluvial wash that had been removed from the Weld, Frame and Ringarooma Rivers, their surrounds and also from the Echo Deep Lead.

TENURE

The EL is held (100%) by Alistair Roy Nicholas. It is comprised of a mix of Crown Land, State Forest, Private Land, Informal Reserves, MDC Informal Reserves and Public "Crown" Reserve.

PREVIOUS MINING AND EXPLORATION

George Renison Bell discovered tin in January 1875 near Derby in the vicinity of the Cascade River, just upstream of the now titled, EL 22/2002. This find led to the discovery of tin at Moorina by Benjamin Brooks and his brothers and the establishment of the Native Youth and Weld Mines. The area is dotted with old diggings, with the most recent mining having taken place on the Ringarooma section of the E.L. by Blue Metal Industries (BMI) in 1974. Unfortunately, despite some very promising grades - up to sixteen ounces of tin per cubic yard - production soon ceased, primarily because of difficulties experienced by BMI in mining the alluvial wash from within the river. The type of processing circuit used by BMI exacerbated these difficulties and contributed to making the project unviable.

GEOLOGY

The rocks within the EL are comprised of Mathinna Group sediments of early Ordovician - early Devonian age. They are considered to represent an essentially uninterrupted period of greywacke-shale sedimentation. The area is characterized by rolling hills, re-growth forest and grass-covered alluvial flats. These latter are being

used predominantly for grazing cattle. The Ringarooma River centrally traverses the E.L.

DISCUSSION

During the coming Spring-Summer of 2005/2006 bulk samples – down to a depth of approximately five metres – will be taken from the alluvial flats, adjacent to, but away from, the Ringarooma River, using a small excavator and light-medium weight bulk sampling machine. It had been originally planned to transport this material to ML 7M/2001 during summer of 2004/5 using by ten-yard truck. Its heavy mineral component was to have been separated out using a sixty tonne track-mounted mobile processing plant that was to have been relocated to there. Unfortunately, delays in receiving site approvals regarding ML 7M/2001 from the Dorset Shire Council prevented realization of this timetable. The main processing plant has only recently been transported to ML 7M/2001.

Whilst awaiting a resolution of the above matter, a decision was made to modify the planned work programme by using a light-weight, trailer-mounted, gravity bulk separation plant to conduct in-situ bulk sampling. A four tonne BSP 10C unit has been purchased recently by the leaseholder from interstate and relocated to Tasmania. This machine will be used as an *in-situ* sampling facility on the sites of interest during the coming spring-summer, thereby avoiding the need to transport any material from this E.L. during the next assessment phase on this ground, to ML 7M/2001.

Contact will shortly be made with relevant landowners in the Moorina area of EL 22/2002, regarding the above-described planned sampling work.

EXPENDITURE

Contract Geology	\$1,500
Fuel/Transport	\$480
Labour	\$900
Total	\$2,880

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