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INTRODUCTION

The Dolphin Mine has been in production since June 1973 and the Main Decline has progressed to the -280 metre R.L.

Production is currently from the Upper Wedge, Upper Pit, Upper Central, Mid Wedge and Lower Pit cut and fill stopes. The Annual Production Budget is 260 500 tonnes.

C Lens oreblocking has been essentially completed as far west as 220 360E with the exception of the Southern area. Potential still exists south of 563 850N for additional C Lens ore. There is also the possibility of a small orebody east of 220 360E in the Decline area.

A total of 4 076 000 tonnes of Proven ore remains in C Lens. An additional 1 673 300 tonnes of ore is classified as Probable in B and C Lenses.

Large areas of pyroxene garnet hornfels, previously inferred from diamond drilling to be subgrade have been found, after openings have been mined into them, to contain a quartz and scheelite vein system. The veins carry sufficient tungsten to bring the unit into ore grade,

Diamond drilling is proposed to test the Southern area, from both surface and underground, and the area east of 220 360E. Fill in drilling is also proposed for Lower Central orebody.

The area lying between the Decline and Grassy River Fault has been named The Decline area. It contains a Probable B Lens resource and may also contain C Lens ore.

This report reviews developments in mine geology since the last review report (Brown and Potter 1980).