

PROGRESS REPORT

ON

EXPLORATION OF THE SOUTH HILL LODE SYSTEM.

ASSOCIATED PLAN 58-200

INTRODUCTION:

This report describes the work carried out on the Hanging Wall and Foot Wall ore shoots of the South Hill Lode System since my summary report of 11th July, 1958.

The area concerned is that lying between co-ordinates 3600N and 5000N.

DIAMOND DRILLING:

On the Hanging Wall shoot, three holes tested for a northerly pitch to the mineralisation.

D.D.152 (5000N, 2525E) intersected a weak sericite lode at RL. 4765 which assayed 0.2 lb U_3O_8 /ton over 24"

D.D.153 (4750N, 2500E) intersected a similar sericite lode at RL 4740 which assayed 0.1 lb U_3O_8 /ton over 27".

D.D.154 (5000N, 2750E) also intersected weak sericitic shearing which assayed 0.3 lb U_3O_8 /ton over 19". This lies at RL. 4450.

On the Foot Wall shoot, two holes (156,157) tested for a northerly pitch and one shallow hole (150) was drilled to clarify some confusing dip data.

D.D.156 (4000N, 2250E) intersected 18" of sericite lode at RL. 4830. No assay of this is available but a visual examination indicates a low uranium content.

DD. 157 (4000N, 2450E) had not completely penetrated the target area at the time of writing but on the results of D.D's 152, 153, 154 and 156, the chances of it making a significant intersection are remote.

D.D.150 (3800N, 2025E) intersected a quartz rutile lode, 19" wide, at RL.5000. Only 4" of core were recovered and this assayed 0.6 lb. U_3O_8 /ton. The hole was drilled to clarify the 65° dip observed on the surface and the 45° dip indicated below RL 4950 in D.D's 138 and 139. The position of the lode is still not definitely established but it seems likely that

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steep surface dip is purely local and that the overall dip is near 45° . The true dip of the lode here will have some significance if an exploratory shaft on the Foot Wall shoot is contemplated.

These six holes complete the drill pattern about the two ore shoots. The conclusion reached is that the minable ore is restricted to two areas of small dimensions as shown on the plan 58 - 200 included in my summary report. In the case of the Foot Wall shoot, the inferred ore tonnage is reduced by D.D.150 and further restrictions are expected to be made if and when underground development is undertaken.

UNDERGROUND DEVELOPMENT:

The 4600N winze has been sunk a further 17' to a total inclined depth of 187'. On the north wall the lode averaged 2.4 lbs. U_3O_8 /ton over 30" but on the south wall both the assay and width were less.

On the No.2 level the north drive was at 4640N and the south drive was at 4554N at the time of my last inspection. Both faces were in ore, which is in accordance with the ore outline on plan 58 - 200.

FUTURE ACTIVITIES:

As stated previously, the evidence, after close pattern drilling, is that the ore shoots are no larger than shown on the plan 58 - 200.

On the Hanging Wall shoot the present drives on No.2 level should be continued until low grade lode channel is encountered. Some vertical openings should then be put in to further define the areas of minable ore.

On the Foot Wall shoot, the 25,000 tons of indicated and inferred ore are based on only two diamond drill holes. The D.D. 150 on 3800N, RL 5000 has restricted the inferred ore in that area and closer pattern drilling would probably result in further restrictions. No underground development is recommended on this shoot at this stage.

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