

MEMORANDUM

TO: M. O. Hampton
FROM: U. Jansons
DATE: November 4, 1971
SUBJECT: SUMMARY OF GEOLOGY AND EXPLORATION WORK FOR OCTOBER 1971

Geology and exploration work for October 1971 consisted of regional mapping, pit mapping, rotary and diamond drilling, and data compilation and evaluation.

Regional mapping was confined to three selected areas. Two areas include the SUN-GAL-TIE claims to the northwest, and the BOB-LAKE claims to the southeast of Kerr Addison's Vangorda property. The third area was on the BILL-ED-GAL claims to the south of Faro #2 orebody near the confluence of the North Fork of Rose Creek and Rose Creek.

Detailed pit geologic mapping, in cooperation with ore control personnel, has been continued to update existing maps.

Rotary drilling has been completed and diamond drilling has been initiated. Rotary drilling included three sites (71-203, 71-204, and 71-205) to the northeast of the Faro #1 orebody, and one site (71-206) to the northeast of a geochemical anomaly near the confluence of the North Fork of Rose Creek with Rose Creek. Three hundred feet of overburden and 135 feet of bedrock were drilled for overburden and bedrock sampling. This rotary drilling program was terminated on October 11, 1971.

Six diamond drill targets were proposed and approved at the October 6, 1971 Exploration Management Meeting. One hole - 71-207 - located on a gravity anomaly on the north flank of the Faro anticline was drilled to a depth of 678 feet and terminated in the rocks of the Anvil batholith. Economic mineralization was not encountered in this hole. Pyrite and pyrrhotite were the only sulfide minerals noted. These were present only in trace amounts.

Data compilation and evaluation included the integration of this year's geological and geochemical results with previous geological, geochemical and geophysical exploration results. All data from the 1971 soil sampling program are available. These data were plotted on the regional maps and were then contoured. The contoured data revealed possible extensions of the Vangorda mineralized zone on to Anvil claims on the SUN-GAL-TIE to the northwest and the BOB claims to the southeast. One coinciding Cu, Pb, Zn anomaly on the GAL claims near the confluence of the North Fork of Rose Creek with Rose Creek was then investigated in the field. Galena and pyrite in minor amounts was found in outcrops in a road cut to the east of this anomaly. Anomalous metal content up to 0.6% combined Pb and Zn was encountered in rotary drill hole 71-197 on the DY claims with anomalous values extending to 405 feet. A gravity anomaly spatially closely related to this hole is proposed as an additional diamond drill target.

The budget at the end of the month showed \$412,039 estimated to have been spent while \$471,196 was budgeted for the year to October 31, 1971.

U. Jansons
Chief Exploration Geologist

UJ/mm

cc. R. E. Thurmond
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