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April 1985  
(155)  
Item 14

GEOLOGY OF THE SUMICH (VICTORINE) DEPOSIT,  
KINGSTON MINING DISTRICT, LANDER COUNTY, NEVADA

Robert L. Akright

Winston Resources Ltd., Lakewood, Colorado

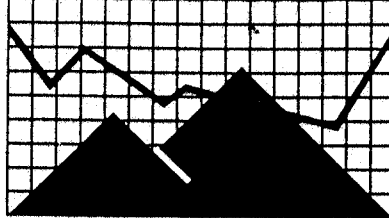
The Sumich (Victorine) mine, located in the Toiyabe Range of central Nevada, was discovered in 1862 and operated up to 1887, and again briefly in the 1930's. Exploration work in 1982 and 1983 resulted in the delineation of significant mineable ore reserves at an average grade of .24 oz Au per ton and .70 oz Ag per ton. The mine has again been placed into production at a rate of 500 tpd, with ore being processed in a new mill a few miles from the mine.

Gold mineralization in the Sumich mine occurs in a shallow dipping (15°-16°) quartz vein system associated with pyrite, sphalerite, galena, chalcopryite, and tetrahedrite. Fluid inclusion studies indicate a 320°C temperature for the auriferous quartz. The quartz vein system follows the trace of a thrust fault which cuts a series of rocks locally described as the Broad Canyon sequence of middle Cambrian to early Ordovician age.

- 800,000 st @ .24 Au, .7 Ag.

- crushing, flotation Gold in sulfide concentrate  
Reground concen. and carbon-in-pulp.
- qtz vein system
- 67 drill holes
- exploration now must be done from underground
- room & pillar
- U.S. Energy runs mine

**RECOVERY '85**



## **ABSTRACTS**

# **1985 PACIFIC NORTHWEST METALS AND MINERALS CONFERENCE**

**April 25 - 27  
Davenport Hotel  
Spokane, Washington**

**American Institute of Mining, Metallurgical, & Petroleum Engineers/American  
Society for Metals**