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(35)

Item 14

UNITED STATES BUREAU OF MINES

PRELIMINARY EXAMINATION REPORT

State Nevada County Douglas Mineral Products Corundum-Andalusite

Name of property Blue Metals Mine

Owner James S. Adams } Yerington, Nevada
Alex Castaing } Address

Lessee or Judge Clark J. Guild — Carson City, Nevada
 Operator Address

Location In Sec. 14, T. 13 N., R. 23 E. M.D.B.M.

Bureau of Mines Exploratory Project									
Analysis Sample No.	%Al ₂ O ₃	%SiO ₂	%Fe	%CaO	%MgO	%NaO	%K ₂ O	%TiO ₂	%LOX
Ne 31.1	40.0	50.7	0.31	0.8	0.05	0.13	0.23	0.52	6.85

History and production Originally was gold prospect

Type Deposit (Goeolgy) Country rock is andesite considerably altered by an intrusion of granodiorite and cut by several lamprophyre dikes. Silicification is widespread in vicinity of mine and silicified ridges stand out since they have resisted weathering ^x more than other rocks. A few small shear zones were noted varying from 2 to 50 feet thick, and these are composed of a sericitic or talcose rock often containing corundum and andalusite on the surface, and where these occur the rock has a distinct blue color.

Mine Workings Bureau of Mines drove an adit at a depth of 70 feet below outcrop for a distance of 200 feet and at the face of the adit a crosscut 23 feet cut the shear zone. No corundum or andalusite were found.