

UNALTERED

QUARTZ LATITE

ZONE of ARGILLACEOUS
ALTERATION

ZONE A

ZONE B

ZONE C

ZONE D

ZONE E

ZONE F

ZONE of PROPILITIC ALTERATION

UNALTERED ANDESITE

ZONING IN THE

JACK FROST VEIN

NORTH MAGDALENA DISTRICT

Socorro Co., N.M. Dec. 1988

~1' ANTECLINAL

~1 1/2' UNALTERED ANDESITE

Tim Doonan



ALTERED QUARTZ LATITE (ARGILLACEOUS ALTERATION)



GALENA LENSES IN MATRIX OF BARITE AND CERRUSITE



LARGE GALENA CRYSTALS IN MATRIX



BARITE



CERRUSITE



ALTERED ANDESITE (PROPLITIC ALTERATION)

ZONE DESCRIPTIONS

ZONE A : ZONE of ARGILLACEOUS ALTERATION of QUARTZ LATITE WALLROCK.

ZONE B : BRECCIA ZONE CONTAINING PROPILITICALLY ALTERED ROCK CEMENTED BY CERRUSITE, BARITE, GALENA AND QUARTZ IN DESCENDING ORDER of ABUNDANCE.

ZONE C : ZONE of High BARITE CONTENT (~70%), WITH CERRUSITE (~20%) AND GALENA (~10%).

ZONE D : ZONE of High CERRUSITE CONTENT (~70%), WITH BARITE (~30%) AND GALENA (~10%).

ZONE E : ZONE of BARITE (~30%), CERRUSITE (~30%), GALENA (~20%), CALCITE (~15%), AND QUARTZ (~5%).

ZONE F : ZONE of PROPILITIC ALTERATION OF ANDESITE WALLROCK.