

THUMBNAIL
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History of Caldwell and Livingston Counties, Missouri Written and Compiled from the Most Authentic Official and Private Sources, Including a History

By Geological Survey U.S.

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Original publisher: Reston, Va. : The Survey ; Denver, CO : Information Services distributor, 1999. OCLC Number: (OCoLC)41076629 Subject: Geology, Structural -- Minnesota -- Beltrami County -- Maps. Excerpt: . . . Table 6. Diagnostic and permissive criteria for Archean low-sulfide gold-quartz vein deposits in the Roseau 1 x2 quadrangle Diagnostic criteria: 1. Presence of anomalous gold and silver concentrations in drill core or B-horizon soil samples. 2. Proximity to shear zones (2 km), or presence of structural breaks, dilatant zones, or highly sheared rock. 3. Evidence of appropriate hydrothermal alteration. a. Vein and (or) ribbon quartz. b. Carbonate alteration minerals. c. Potassic alteration (sericite). d. Anomalous boron (exclusive of high abundances typical of sedimentary rocks and massive sulfide deposits). e. Anomalous concentrations of As, Se, W, Hg, Sb, Te, Mo, Bi, Zn, and (or) Cu in soil or rock samples. f. Disseminated or vein-filling arsenopyrite or pyrite. Permissive criteria: 1. Presence of chemically favorable host rock, such as iron-formation and iron-rich tholeiitic basalt. 2. Presence of fuchsite or scheelite. Table 7. Resource potential for Archean...



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