MAP SHOWING LOCATIONS OF EXPOSURES OF LIMONIC ROCKS AND HYDROTHERMALY ALTERED ROCKS IN THE BUTTE 1° X 2° QUADRANGLE, MONTANA

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EXPLANATION

This map is a part of a list of maps of the Butte 1° x 2° quadrangle, Montana.

INTRODUCTION

Sedimentary deposits are the most important control on the location and distribution of hydrothermal alteration in the Butte 1° x 2° quadrangle. The terrane is a part of the Montana batholith and consists of a number of intrusive and extrusive rocks. The intrusive rocks are mainly granodiorite, quartz monzonite, and quartz diorite. The extrusive rocks are mainly andesite and dacite. The sedimentary deposits are mainly sandstone, shale, and conglomerate. The sedimentary deposits are in contact with the intrusive rocks and are locally altered by the heat of the intrusion. The sedimentary deposits are also in contact with the extrusive rocks and are locally altered by the heat of the extrusion. The sedimentary deposits are also in contact with the sedimentary deposits and are locally altered by the heat of the sedimentary deposition.