



Figure. p1. Vein-related alteration zone (~80 m wide) that sourrounds the Polar Star vein at the top of the divide, east of Engineer Mountain. Site of sample sequence PG13 (middle of bleached alteration zone near top of ridge).



Figure p2. Alteration envelope (between orange lines) surrounding the Hoffman and another parallel vein structure. Rubble around pack is typical of the small accumulation of dump material around exploratory pits and shafts on these veins. Photo taken at sample site PG05 looking east toward sample site PG04 (southcentral map area) on the far side of the altered area.



Figure p3. Relatively narrow (~10 m wide) zone of vein-related alteration (tan rocks) surrounding the Flower of San Juan vein, in the lower reaches of the Palmetto Gulch watershed. Photo looking northeast; site of spring sample Wpalm26 (fig. 2; table 5) on bench area above alteration zone.



Figure p4. Vein-associated alteration (tan rocks) in drainage just upstream of site shown in figure p3. View looking south towards the high ridgline near the south border of the map area.



Base from U.S. Geological Survey, 1955 Handies Peak. Projection: Universal Transverse Mercator, zone 13. 10,000-foot grid based on Colorado coordinate system, south zone. 1927 North American datum



Figure p5. Photo looking down on the upper and lower dumps of the Wyoming mine (foreground); weak-sericitic-altered zone (WSP) overprinting the Fish Canyon Tuff is outlined near top of photo. The location of the Roy Pray mine is also shown in relation to the Miner's Bank vein.



mine drainage flowing across the top of the lower mine dump.



SCALE 1:6,000

500

1000 FEET (305 meters)





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Figure p8. Small prospect (~3 m deep) on vein just east of the Hoffman structure. Photo shown to depict the typically small extent of workings in the vicinity of the Hoffman vein.



107.556°

Figure p9. View looking down along easternmost tributary of Palmetto Gulch. Prospect pit shown in figure p8 is above spring site.

GEOLOGIC MAP OF THE PALMETTO GULCH AREA, HINSDALE AND OURAY COUNITIES, COLORADO

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This map is preliminary and has not been reviewed for conformity with U.S. Geological

This map was produced upon request, directly from digital files, on an electronic plotter. It is also available as a PDF file at http://geology.cr.usgs.gov

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