



Figure 1. Geologic map of the Blackfoot Hills volcanic field. The map shows various rock units and their spatial distribution. A correlation chart on the right side of the map details the relationships between different geological units. Descriptive text boxes provide detailed information about specific rock types, including their mineral composition and textures. The map also includes a scale bar and a north arrow.

Figure 2. Stratigraphic section of andesite and basalt flows (Ta) in a southeastern part of Blackfoot Hills volcanic field. The diagram shows the vertical sequence of rock layers, with thicknesses in feet and lithological descriptions. A field station description on the right identifies specific units and their characteristics.

Figure 3. Stratigraphic section of rhyolite domes and flows (Tg) in a southeastern part of Blackfoot Hills volcanic field. Similar to Figure 2, this diagram shows the vertical sequence of rhyolite rock layers with lithological details and field station descriptions.

Figure 4. Stratigraphic section of units Ks, Td, and Tn along a cross-cut of Blackfoot Hills volcanic field. This section shows the relationship between different units, including a fault zone. Lithological descriptions and field station notes are provided for each unit.

Figure 5. Plot of rare-earth element (REE) contents of Blackfoot Hills volcanic field. The graph shows the concentration of various REE elements in parts per million (ppm) for different rock types. A diagram of a whole-rock chemical analysis is included for reference.

Figure 6. Whole-rock chemical analysis of intrusive rocks from Blackfoot Hills volcanic field. This table provides detailed chemical data for various intrusive rock samples, including major and trace elements.

Figure 7. Whole-rock chemical analysis of rhyolite rocks and flows from Blackfoot Hills volcanic field. This table provides detailed chemical data for rhyolite samples, including major and trace elements.

Figure 8. Whole-rock chemical analysis of andesite and basalt flows from Blackfoot Hills volcanic field. This table provides detailed chemical data for andesite and basalt samples, including major and trace elements.

GEOLOGIC MAP OF THE BLACKFOOT HILLS VOLCANIC FIELD, WESTERN ALASKA

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