EXPLANATION OF MATERIAL CLASSES

Materials are listed based on quality of match with reference spectra; class may contain one or more minerals. Further, some map classes consist of several minerals having similar spectra, such as "Epidote or chlorite." A nated. Minerals having slightly different compositions but similar spectral features were less easily discriminated; occurring abundantly at the surface and those having unique spectral features were easily detected and discrimi- classification differences may be present between adjacent flight lines.

The reflectance spectrum of each pixel of HyMap™ imaging spectrometer data was compared to the reference digital spectral library splib06a: U.S. Geological Survey Data Series 231.

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HYPERSONTICAL SURFACE MATERIALS MAP OF QUADRANGLE 3264, NAW ZAD-MUSA QALA (423) AND DIHRAWUD (424) QUADRANGLES, AFGHANISTAN, SHOWING CARBONATES, PHYLLOSILICATES, SULFATES, ALTERED MINERALS, AND OTHER MATERIALS

By Raymond F. Kokaly, Trade V.V. King, Todd M. Hoefen, Keith E. Livo, Michaela R. Johnson, and Stuart A. Giles

REFERENCES CITED


Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Naw Zad
Sangin
Dihrawud
Kajaki
Shahidi Hassas
Nesh
Ghorak
Dihrawud Tirin Kot
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