

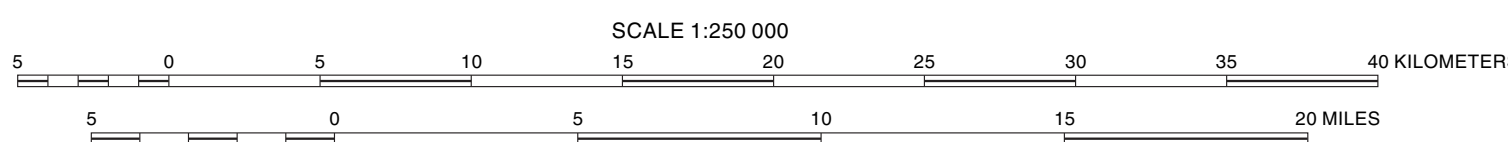
Cultural data from digital files from AIMS Web site  
(<http://www.aims.org.af>)  
Projection: Universal Transverse Mercator, zone 42, WGS  
84 Datum

#### DATA SUMMARY

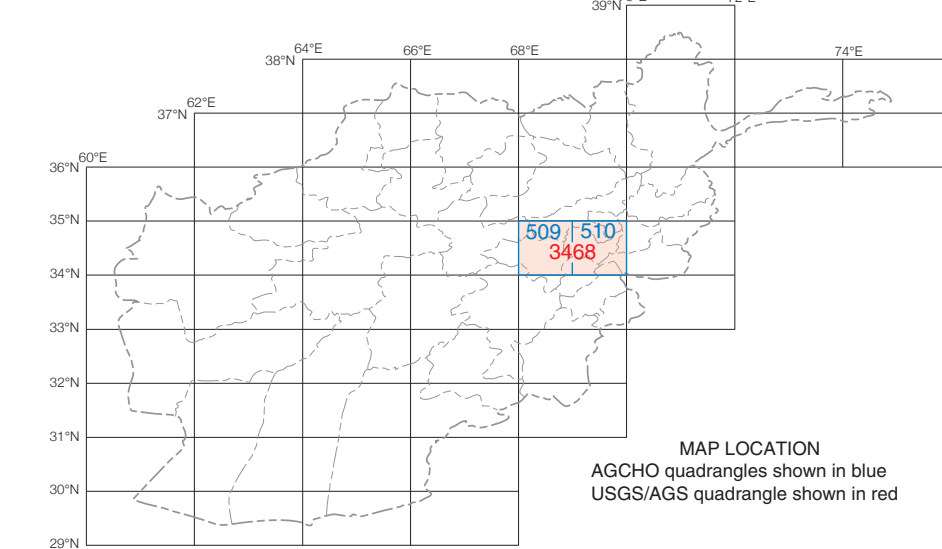
This map is a natural-color rendition created from Landsat 7 Enhanced Thematic Mapper Plus imagery collected between 1999 and 2002. The natural colors were generated using calibrated red-, green-, and blue-wavelength Landsat image data, which were correlated with red, green, and blue values of corresponding picture elements in MODIS (Moderate Resolution Imaging Spectrometer) "true color" mosaics of Afghanistan. These mosaics have been published on <http://www.truecolorearth.com> and modified to match more closely the Munsell colors of sampled surfaces.

Peak elevations are derived from Shuttle Radar Topography Mission (SRTM) digital data, averaged over a pixel representing an area of 85 m<sup>2</sup>, and they are slightly lower than the highest corresponding local point. Cultural data were extracted from files downloaded from the Afghanistan Information Management Service (AIMS) Web site (<http://www.aims.org.af>). The AIMS files were originally derived from maps produced by the Afghanistan Geodesy and Cartography Head Office (AGCHO). Cultural features were not derived from the Landsat base and consequently do not match it precisely.

This map is part of a series that includes a geologic map, a topographic map, a Landsat natural-color-image map, and a Landsat false-color-image map for the USGS/AGS (U.S. Geological Survey/Afghan Geological Survey) quadrangles covering Afghanistan. The maps for any given quadrangle have the same open-file number but a different letter suffix, namely, -A, -B, -C, and -D for the geologic, topographic, Landsat natural-color, and Landsat false-color maps, respectively. The present map series is to be followed by a second series, in which the geology is reinterpreted on the basis of analysis of remote-sensing data, limited fieldwork, and library research. The second series is to be produced by the USGS in cooperation with the AGS and AGCHO.



EXPLANATION	
	Road, improved or unimproved
	Reservoir
	Peak elevation in meters
	City, town, or village



Any use of trade names in this publication is for  
descriptive purposes only and does not imply  
endorsement by the U.S. Geological Survey.

## NATURAL-COLOR-IMAGE MAP OF QUADRANGLE 3468, CHAK WARDAK-SYAHGERD (509) AND KABUL (510) QUADRANGLES, AFGHANISTAN

By

Philip A. Davis (image processing) and Kenzie J. Turner (cartography)

2005



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