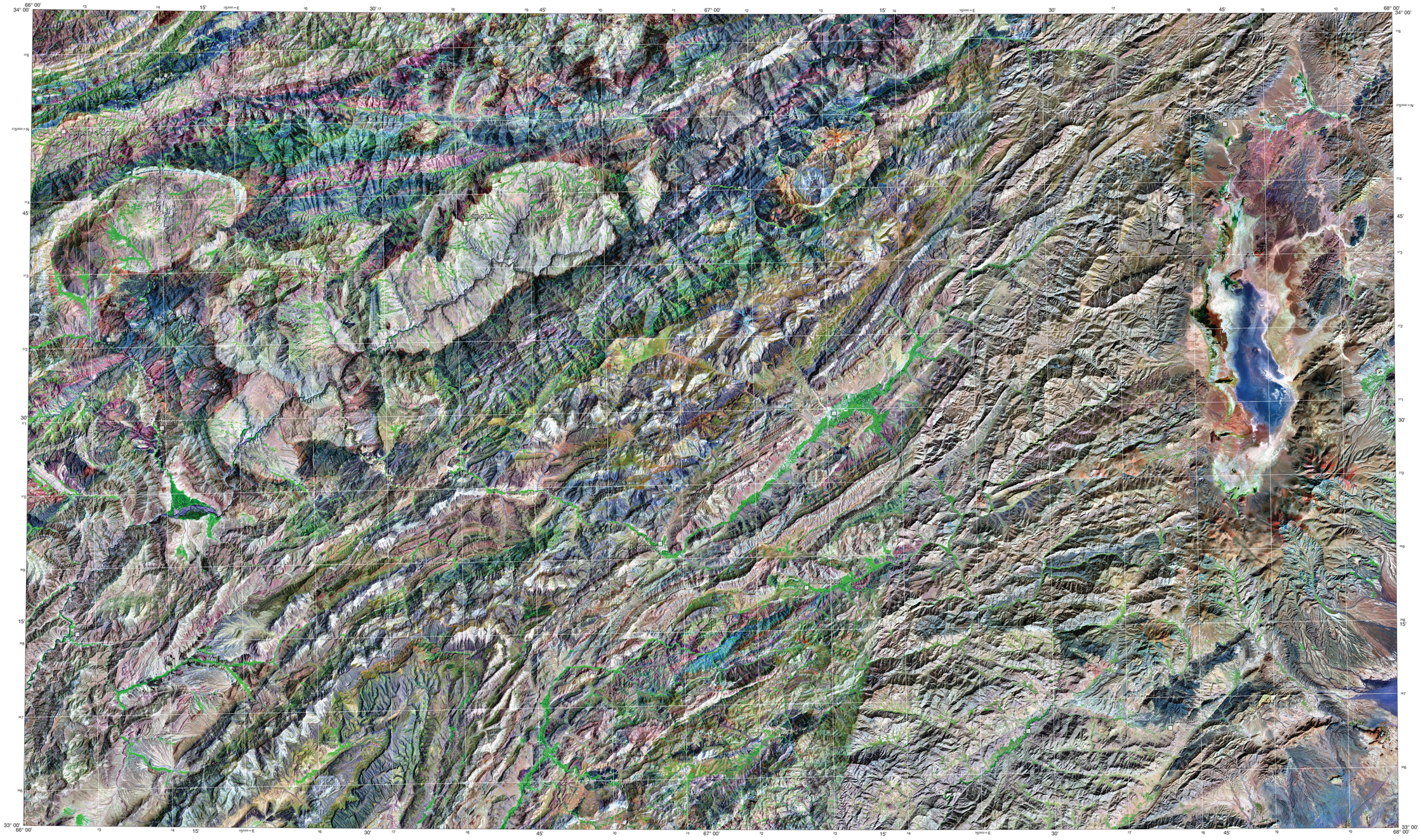
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

AFGHAN GEOLOGICAL SURVEY
Prepared in cooperation with the U.S. Geological Survey and the Afghanistan Geodesy and Cartography Head Office
Under the auspices of the U.S. Agency for International Development

USGS OPEN-FILE REPORT 2005-1111-D
AGS OPEN-FILE REPORT (513/514) 2005-1111-D
USGS Afghanistan Project Product No. 137



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 false-color rendition created from Landsat 7 Enhanced Thematic Mapper Plus imagery collected between 1999 and 2002. The false colors were generated by applying an adaptive histogram equalization stretch to Landsat bands 7 (displayed in red), 4 (displayed in green), and 2 (displayed in blue). These three bands contain most of the spectral differences provided by Landsat imagery and, therefore, provide the most discrimination between surface materials. Landsat bands 4 and 7 are in the near-infrared and short-wave-infrared regions, respectively, where differences in absorption of sunlight by different surface materials are more pronounced than in visible wavelengths.

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.

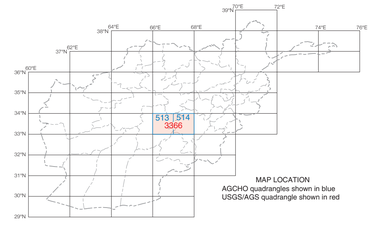
SCALE 1:250 000

5 0 5 10 15 20 25 30 35 40 KILOMETERS

5 0 5 10 15 20 MILES

EXPLANATION

☐ City, town, or village



MAP LOCATION
AGCHO quadrangles shown in blue
USGS/AGS quadrangle shown in red

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

FALSE-COLOR-IMAGE MAP OF QUADRANGLE 3366, GIZAB (513) AND NAWER (514) QUADRANGLES, AFGHANISTAN

By

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

2005

USGS science for a changing world

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