

**EXPLANATION OF MAP SYMBOLS**

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— · · — · · Fault—Dashed where approximately located; dotted where concealed

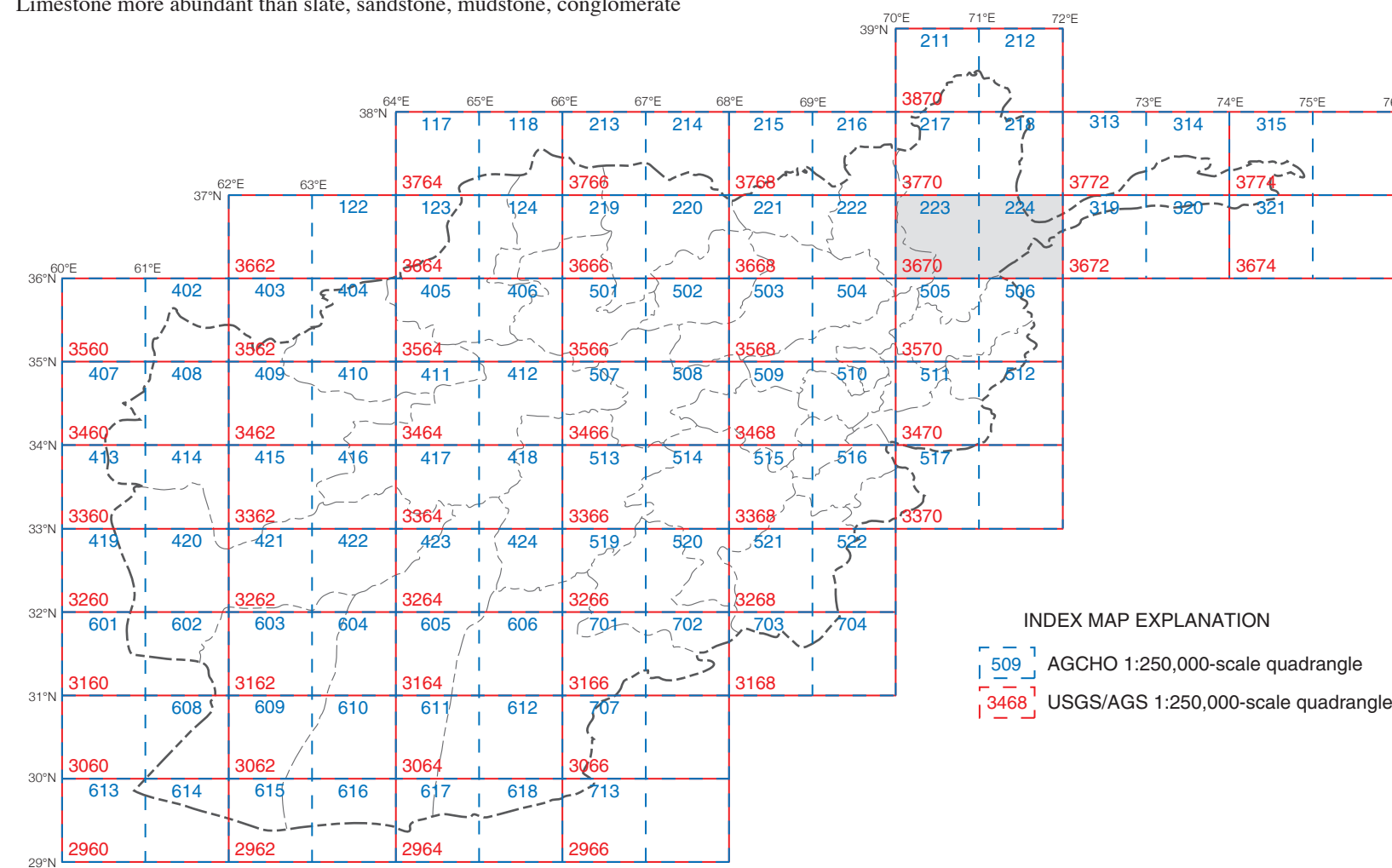
## DATA SUMMARY

This map was produced from several large digital datasets. Topography was derived from Shuttle Radar Topography Mission (SRTM) 85-meter digital data. Gaps in the original dataset were filled with data digitized from contours on 1:200,000-scale topographic maps. The SRTM data were resampled to a 30-m resolution and then averaged over four pixels using 4x4 neighborhood averaging. The SRTM data were then averaged over four pixels using 4x4 neighborhood averaging. 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 Geospatial and Cartography Center (AGCC) and the National Security Agency (NSA). The boundary of Afghanistan were taken directly from Abdullah and Chmyrnyy (1977).

It is the primary intent of the U.S. Geological Survey (USGS) to present the geologic data in a useful format while making them publicly available. These data represent the state of geologic mapping in Afghanistan as of 2005, although the original map was produced in 1977. The USGS is not responsible for any errors or omissions. The USGS will attempt to modify original geologic map-unit boundaries and faults; however, modifications to map-unit symbology, and minor modifications to map-unit descriptions, have been made to clarify lithostratigraphy and to modernize terminology. The generation of a Correlation of Map Units (CMU) diagram required interpretation of the original map data, because no CMU diagram was presented by Abdullah and Chmyrnyy (1977).

## REFERENCE CITED

Abdullah, Sh., and Chmyriov, V.M., eds., 1977, Map of mineral resources of Afghanistan: Kabul, Ministry of Mines and Industries of the Democratic Republic of Afghanistan, Department of Geological and Mineral Survey, V/O "Technoexport" USSR, scale 1:500,000.



# GEOLOGIC MAP OF QUADRANGLE 3670, JARM-KESHEM (223) AND ZEBAK (224) QUADRANGLES, AFGHANISTAN

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