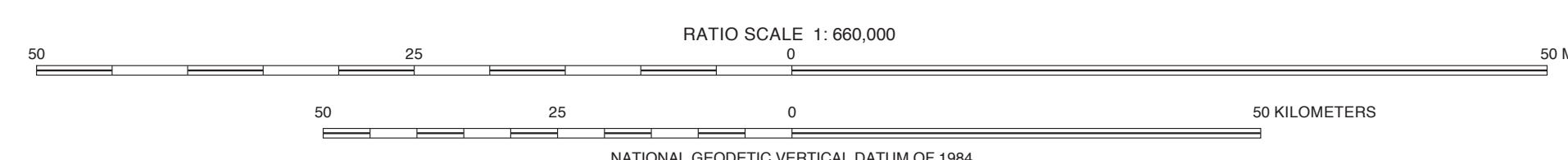
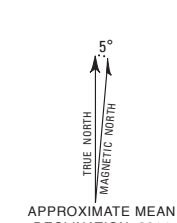
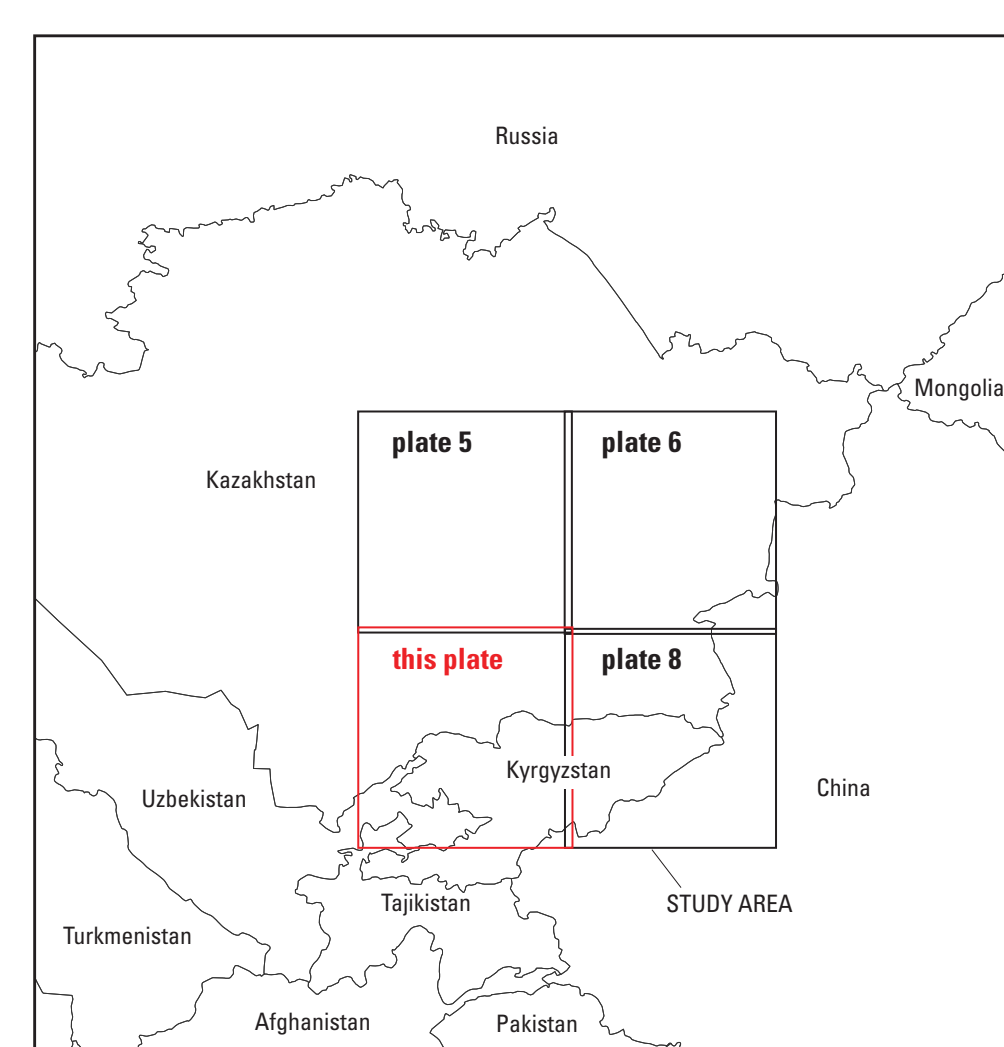


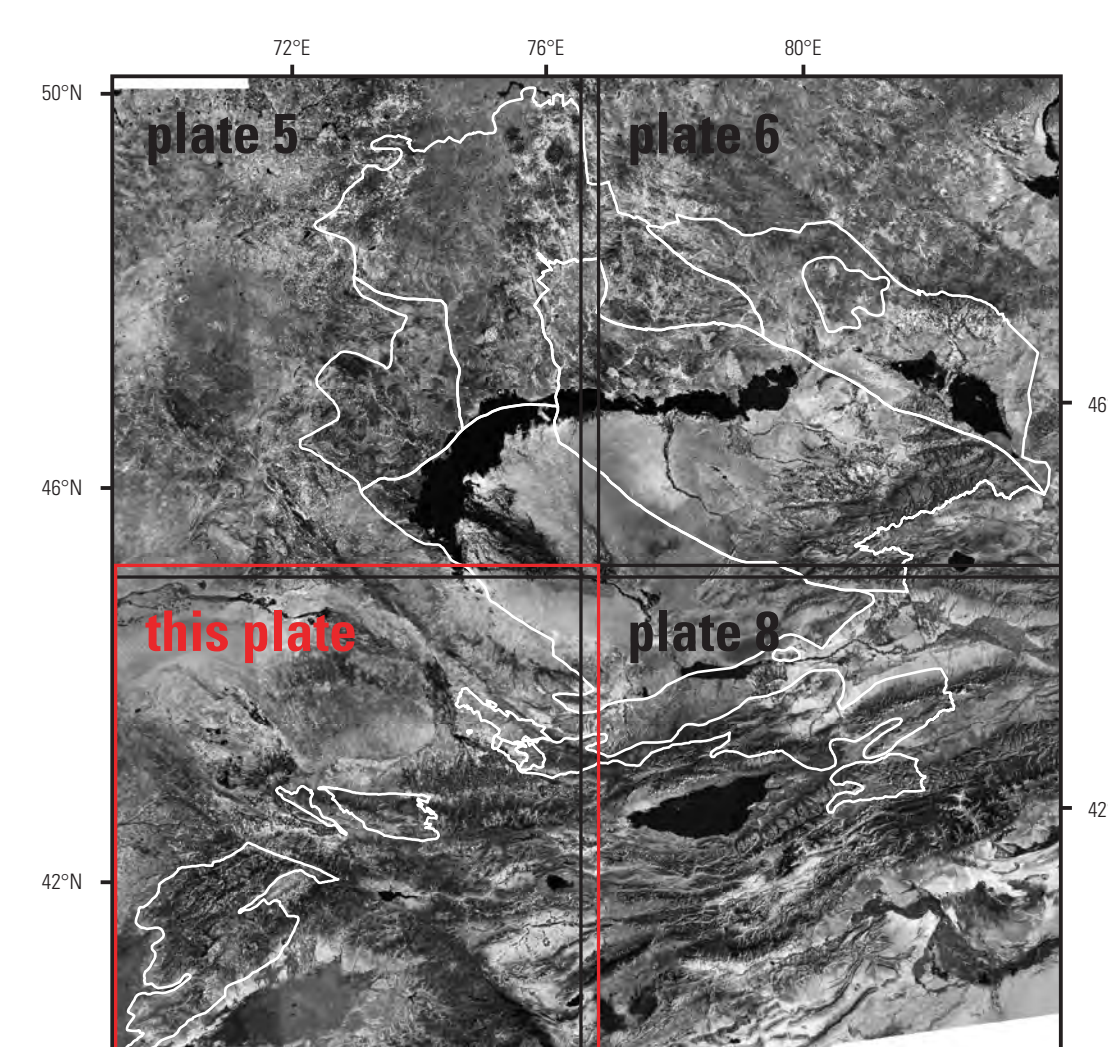
Base is Landsat Thematic Mapper, band 7
grayscale image (<http://landsat.usgs.gov>)
Universal Transverse Mercator projection



Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) hydrothermal alteration data were used to map potential porphyry copper sites. See table 2-1 (available online only at <http://pubs.usgs.gov/sir/2010/5090/a/>) for physical characteristics and locations of potential porphyry copper sites, listed by site number.



Index map showing location of study area, this map area (red outline), and bordering map areas (black outlines).



Index map showing location of this ASTER hydrothermal alteration map area (red outline), bordering map areas (black outlines), and permissive tract boundaries (white outlines).





ASTER Hydrothermal Alteration Map and Potential Porphyry Copper Sites of Southwestern Part of Study Area, Southern Kazakhstan, Uzbekistan, Tajikistan, Kyrgyzstan, and Western China, Western Central Asia

By
John C. Mars
2014

EXPLANATION

[NOTE FOR PLOT USERS: Small, isolated data areas may be difficult to see on plots; see files for detail (<http://pubs.usgs.gov/sir/2010/5090/n/>)]

Alteration units, mapped using ASTER data

-  Phyllic-altered rocks
 Silicic-altered rocks
 Argillic-altered rocks
 Permissive tract boundary
 Potential porphyry copper site

[illegible]