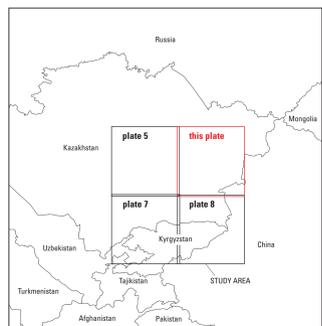


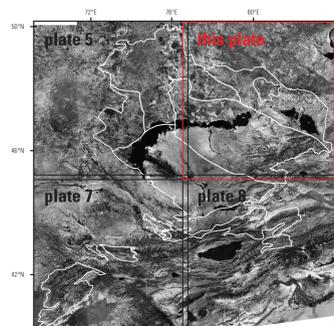
Based on Landsat Thematic Mapper, band 7 grayscale image (<http://landsat.usgs.gov/>) Universal Transverse Mercator projection

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

Ratio Scale 1:666,000
50 25 0 50 KILOMETERS
50 25 0 50 MILES
NATIONAL GEODETIC VERTICAL DATUM OF 1984



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).

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

ASTER Hydrothermal Alteration Map and Potential Porphyry Copper Sites of Northeastern Part of Study Area, Eastern Kazakhstan and Western China, Western Central Asia

By
John C. Mars
2014

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Digital file available at <http://pubs.usgs.gov/sir/2010/5090/n/>.

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