

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

ASTER Hydrothermal Alteration and Potential Porphyry Copper Sites

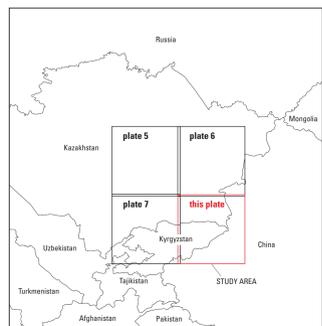
RATIO SCALE 1:660,000

50 25 0 50 MILES

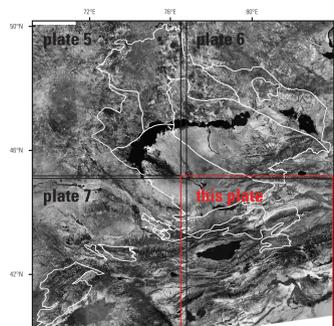
50 25 0 50 KILOMETERS

NATIONAL GEODETIC VERTICAL DATUM OF 1984

ASTER Hydrothermal Thermal Emission and Reflection Radiometer (ASTER) hydrothermal alteration data were used to map potential porphyry copper sites. See plate 2 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).

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 Southeastern Part of Study Area, Southeastern Kazakhstan, Kyrgyzstan, and Western China, Western Central Asia

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2014

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For sale by U.S. Geological Survey, Information Services, Box 2308, Federal Center, Denver, CO 80220, 1-800-455-6845

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

Supporting information: Mars, J.C., 2014, ASTER hydrothermal alteration map and potential porphyry copper sites of southeastern part of study area, southeastern Kazakhstan, Kyrgyzstan, and western China, western Central Asia, plate 8 in Report 8, Mars, J.C., Dering, P.D., Phillips, C.D., Thompson, J.B., Zarem, M.J., Clark, C.J., and Oles, J., with contributions from Adams, G., Gilmore, R., and Thompson, R., 2014, Porphyry copper assessment of western Central Asia, U.S. Geological Survey Scientific Investigations Report 2010-5090-N, 219 p., 4 plates, and related data, <http://dx.doi.org/10.7927/H4JH5W>

ISBN 2238-0233 (online)
10.7927/H4JH5W