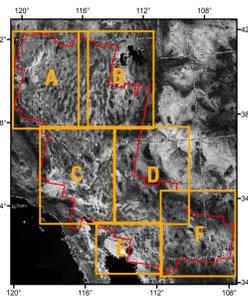


Base is Landsat Thematic Mapper, band 7 grayscale image
Universal Transverse Mercator projection, zone 11N
1987 North American Datum

INDEX TO PLATES 2A-F AND 3A-F



Base is Landsat Thematic Mapper, band 7 grayscale image
Universal Transverse Mercator projection, zone 11N
1987 North American Datum

EXPLANATION OF INDEX MAP
 - - - International boundary
 - - - State boundary
 - - - Boundary of ASTER imagery
 - - - Boundary of plates in this report
 0 50 100 Miles
 0 100 200 Kilometers

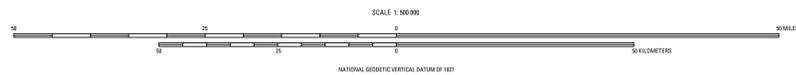


Plate 2E. Map Showing Hydrothermally Altered Rocks (Including Hydrothermal Silica-Rich Rocks)

Hydrothermal Alteration Maps of the Central and Southern Basin and Range Province of the United States Compiled From
Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Data

By
John C. Mars
2013

- EXPLANATION
Hydrothermally altered rocks mapped using Advanced Thermal Emission and Reflection Radiometer (ASTER) data
- Phyllic rocks (sericite, muscovite)
 - Argillic rocks (alanite, kaolinite, pyrophyllite)
 - Propylitic rocks (epidote, chlorite)
 - Propylitic rocks (calcite, dolomite)
 - Hydrothermal silica-rich rocks (hydrous quartz, chalcedony, opal, amorphous silica)
 - Boundary of ASTER imagery
 - - - International boundary
 - - - State boundary

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government.
This map was printed on an electronic color printer directly from digital files. Dimensional calibration may vary between electronic prints and between a full 24-inch print and a full-size print, and paper may contain some dust or atmospheric conditions, therefore, scale and proportions may not be true on plots of this map.
For more information, contact the U.S. Geological Survey, Information Services, Box 2008, Federal Center, Denver, CO 80220.
1:500,000 ASR-10055

Digital files available at: <http://dx.doi.org/10.7122/1023113>
Suggested citation: Mars, J.C., 2013, Hydrothermal alteration maps of the central and southern Basin and Range provinces of the United States, compiled from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Data, U.S. Geological Survey Open-File Report 2013-1139, 5 p., 13 plates, scale 1:500,000.