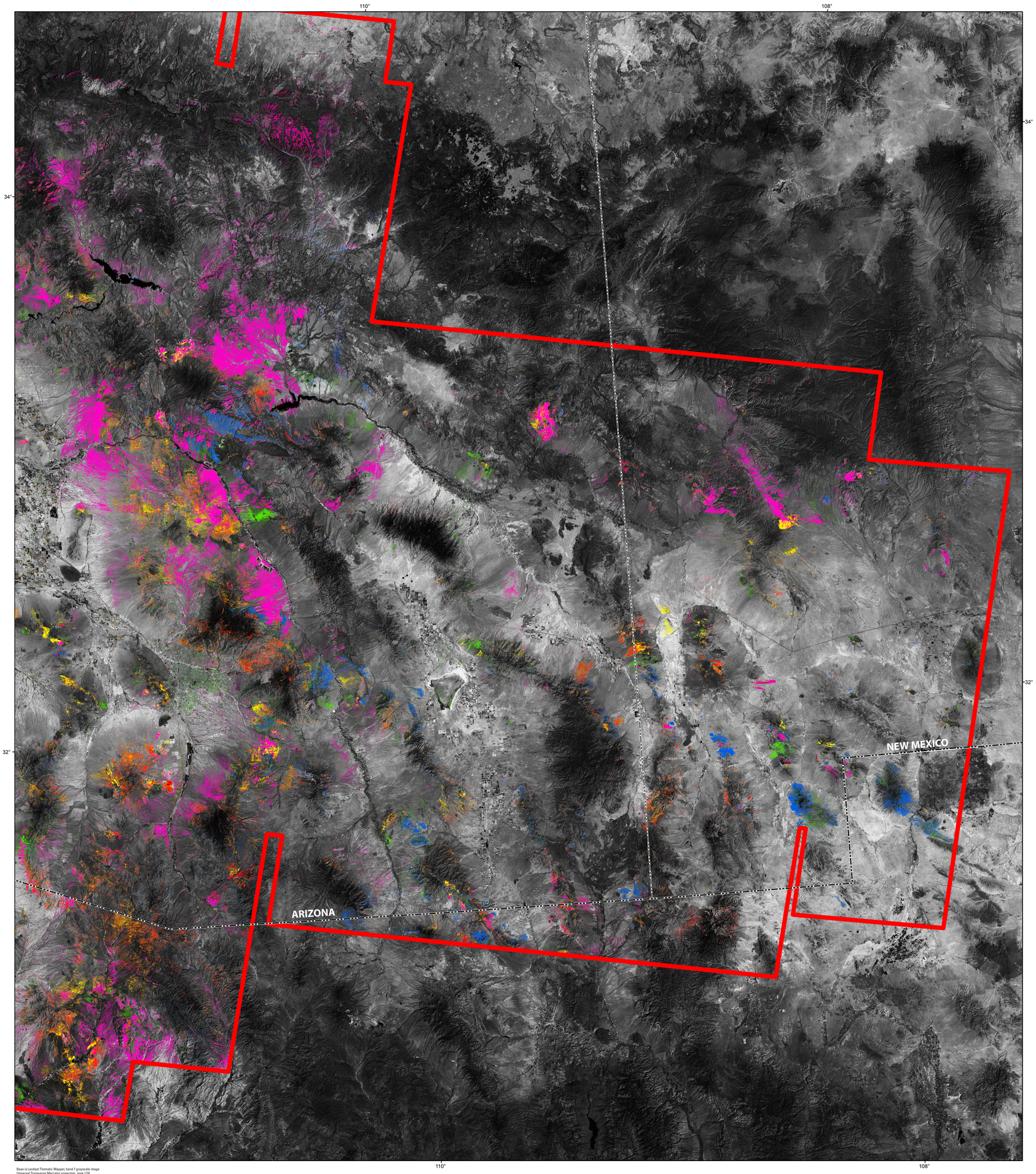
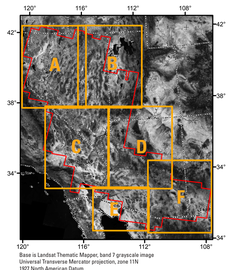
U.S. Department of the Interior
U.S. Geological Survey

Open-File Report 2013–1139
Plate 2 of 3



Base is Landsat Thematic Mapper, band 7 grayscale image
Universal Transverse Mercator projection, zone 11N
1927 North American Datum

INDEX TO PLATES 2*A*–*F* AND 3*A*–*F*



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Universal Transverse Mercator projection, zone 11N
1927 North American Datum

EXPLANATION OF INDEX MAP

- International boundary
- State boundary
- Boundary of ASTER imagery
- Boundary of plates in this reprint

0 50 100 Miles
0 100 200 Kilometers

SCALE 1:500 000

50 25 0 50 MILES
50 25 0 50 KILOMETERS

NATIONAL GEODETIC VERTICAL DATUM OF 1927

Plate 2*F*. 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

APPROXIMATE MEAN DECLINATION, 2013

EXPLANATION

Hydrothermally altered rocks mapped using Advanced Thermal Emission and Reflection Radiometer (ASTER) data

- Phyllic rocks (sericite, muscovite)
- Argillic rocks (alunite, 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

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This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

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Digital files available at: http://dx.doi.org/10.3133/ofr20131139

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