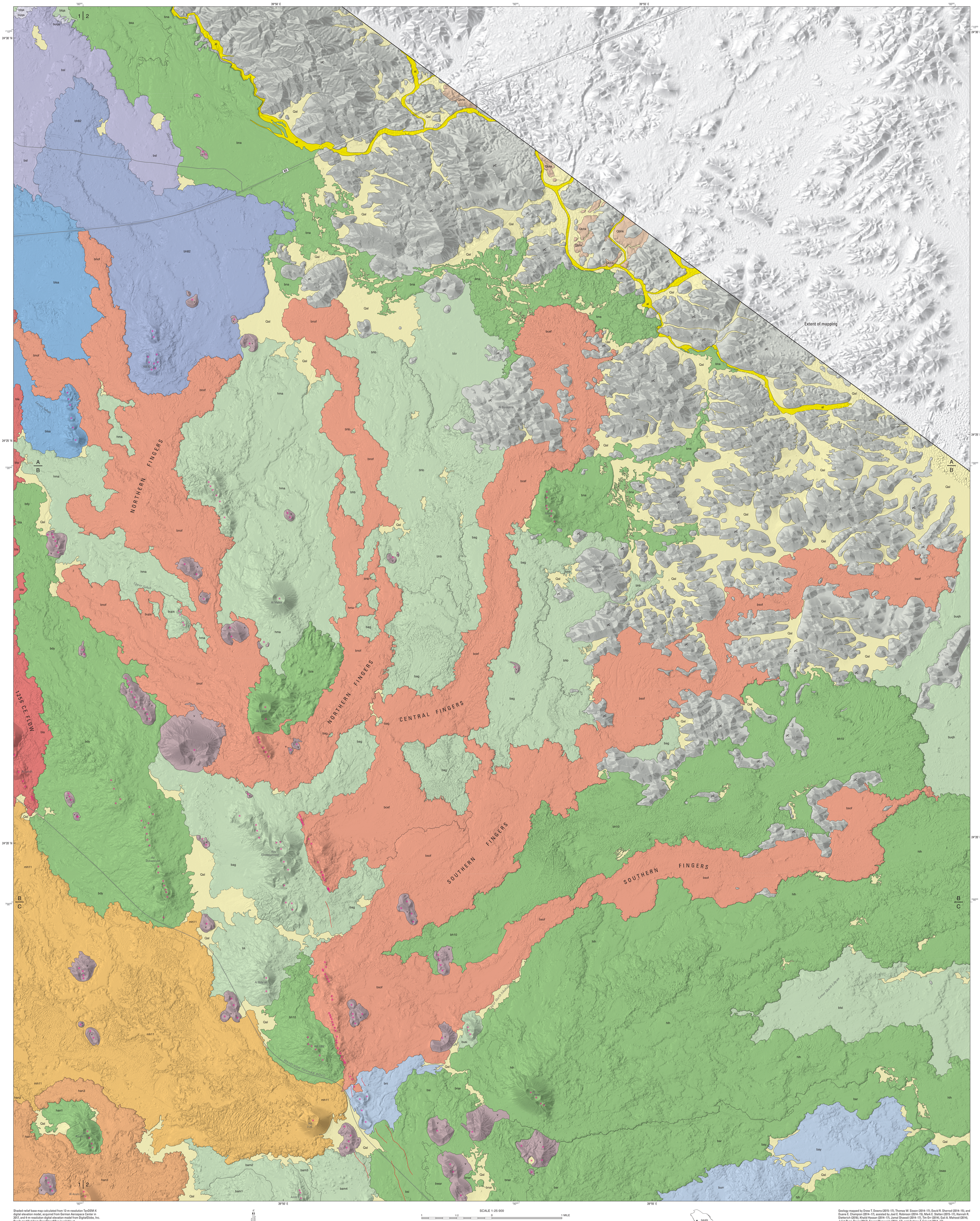
U.S. Department of the Interior
U.S. Geological Survey

U.S. Geological Survey Scientific Investigations Map 3428
Saudi Geological Survey Special Report SGS–SP–2019–2
Sheet 2 of 4
Pamphlet accompanies map



Shaded-relief base map calculated from 12-m-resolution TanDEM-X digital elevation model, acquired from German Aerospace Center in 2017, and 4-m-resolution digital elevation model from DigitalGlobe, Inc. Roads modified from OpenStreetMap (available at www.openstreetmap.org) community and MapCruzin (available at www.mapcruzin.com), accessed April 23, 2015

Universal Transverse Mercator projection, Zone 37N, WGS1984 datum

APPROXIMATE MEAN DECLINATION, 2019

SCALE 1:25 000

1 0 1 MILE
1 .5 0 1 KILOMETER

SAUDI ARABIA
MAP LOCATION

Geologic Map of the Northern, Central, and Southern Fingers Lava Flows, Northern Harrat Rahat Volcanic Field, Kingdom of Saudi Arabia

By

Drew T. Downs,[1] Joel E. Robinson,[1] Mark E. Stelten,[1] Duane E. Champion,[1] Hannah R. Dietterich,[1] Thomas W. Sisson,[1]
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2019

Geology mapped by Drew T. Downs (2015–17), Thomas W. Sisson (2014–17), David R. Sherrod (2014–15), and Duane E. Champion (2014–17), assisted by Joel E. Robinson (2014–15), Mark E. Stelten (2015–17), Hannah R. Dietterich (2016), Khalid Hassan (2014–17), Jamal Shawali (2014–17), Tim Orr (2014), Gail A. Mahood (2014), Juliet Ryan-Davis (2017), Fawaz Maquyyim (2014–17), and Andrew T. Calvert (2014–17)

GIS database and digital cartography by Drew T. Downs and Joel E. Robinson

Edited by Taryn A. Lindquist; digital cartographic production by Katie Sullivan

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[2]Saudi Geological Survey

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