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 1 of 4
Pamphlet accompanies map

HARRAT KURAMA

UNMAPPED HARRAT RAHAT

Extent of mapping

NORTHERN FINGERS

CENTRAL FINGER

SOUTHERN FINGERS

125th CE FLOW

PIPELINE ROAD

Shaded-relief base map calculated from 12-m-resolution TanDEM-X digital elevation model, acquired from German Aerospace Center in 2017. Roads and railway 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 1:75 000
1 1/2 0 1 2 3 4 5 MILES
1 .5 0 1 2 3 4 5 6 7 KILOMETERS

SAUDI ARABIA
MAP LOCATION

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 Maqsyyim (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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Geologic Map of the Northern Harrat Rahat Volcanic Field, Kingdom of Saudi Arabia

By
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2019

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