



Base map modified from 30-m digital elevation model from U.S. Geological Survey National Elevation Dataset (available at <https://ned.usgs.gov/>)
Universal Transverse Mercator projection, North American Datum 83 Zone 11

SCALE 1:100,000
0 1 2 3 4 5 6 7 8 MILES
0 1 2 3 4 5 6 7 8 9 10 KILOMETERS
CONTOUR INTERVAL 250 METERS
NATIONAL GEODESIC VERTICAL DATUM OF 1929

MAP LOCATION

Ice extent mapped by Clyde Wahrhaftig (approximately 1965-1980) and Greg M. Stock (2008-2018).
GIS database and digital cartography by Greg M. Stock, Peri Sasnett, and Reba G. McCracken.
Edited by Tori A. Lindquist and Scott D. Durig; digital cartographic production by Kati Seltzer.
Manuscript approved for publication August 2, 2019.

Extent of the Last Glacial Maximum (Tioga) Glaciation in Yosemite National Park and Vicinity, California

By
Clyde Wahrhaftig,^{1,2} Greg M. Stock,³ Reba G. McCracken,³ Peri Sasnett,² and Andrew J. Cyr¹
2019

U.S. Geological Survey,
University of California, Berkeley,
National Park Service, Yosemite National Park
©2019

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 or plate also is offered as an online, digital version. Users should be aware that, because of differences in how digital and print versions are produced, there may be slight differences in color and resolution between the online and print versions. A complete color and resolution proof is available for review by U.S. Geological Survey, Information Services, Room 2025B, Federal Center, 2215 R Street, NW, Washington, DC 20535.
Digital file available at <https://doi.org/10.3133/SI3414>