ATLANTIC OCEAN

Geologic Map of Hispaniola

Haiti

Caribbean Sea

Base from compiled geologic source maps Lambert Conformal Conic projection World Geodetic System of 1984

Compiled by Frederic H. Wilson and Keith A. Labay 2025

NORTH AMERICAN VERTICAL DATUM OF 1988

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 is offered as an online-only, digital publication. Users should be aware that, because of differences in rendering processes and pixel resolution, some slight distortion of scale may occur when viewing it on a computer screen or when printing it on an electronic plotter, even when it is viewed or printed at its intended publication scale

The geologic data shown on the map is derived from mapping published as early as 1989 and as recently as 2018. The largely nondigital source maps were digitized and the map units of each source were integrated across the region by the compilers

Edited by David A. Shields; digital cartographic production by

Manuscript approved for publication February 14, 2025

GIS database and digital cartography by F.H. Wilson and K.A. Labay

when it is viewed or printed at its intended publication scale

Digital files available at https://doi.org/10.3133/sim3534, https://doi.org/10.5066/P13X7BHY, https://doi.org/10.5066/P1ZN39XQ, and https://doi.org/10.5066/P1QGKUBG

Suggested citation: Wilson, F.H., and Labay, K.A., comps., 2025, Geologic map of the Greater Antilles and Virgin Islands: U.S. Geological Survey Scientific Investigations Map 3534, 5 sheets, scales 1:2,500,000, 1:1,000,000, 1:250,000, 1:350,000, 1:300,000, and 1:140,000, 102-p. pamphlet, https://doi.org/10.3133/sim3534. [Supersedes USGS Open-File Report 2019–1036.]

Associated data for this publication: Wilson, F.H., and Labay, K.A., 2025, Data release for the geologic map of the Greater Antilles and Virgin Islands:

U.S. Geological Survey data release, https://doi.org/10.5066/P1ZN39XBHY.

Associated data for this publication: Wilson, F.H., O'Sullivan, P.B., Pongratz, A.L., and Zurcher, L., 2024, U-Pb isotopic data and zircon age determinations from the Island of Puerto Rico, United States: U.S. Geological Survey data release, https://doi.org/10.5066/P1ZN39XQ.

Associated data for this publication: Wilson, F.H., and Pongratz, A.L., 2024, Age determinations from various geochronological methods of rock samples in the Greater Antilles and Virgin Islands: U.S. Geological Survey data release, https://doi.org/10.5066/P1QGKUBG.

Dominican Republic