

Consequences Of Volcanic Eruption

1815 eruption of Mount Tambora island of Sumbawa in present-day Indonesia (then part of the Dutch East Indies), erupted in what is now considered the most powerful volcanic eruption in recorded human history. In April 1815, Mount Tambora, a volcano on the island of Sumbawa in present-day Indonesia (then part of the Dutch East Indies), erupted in what is now considered the most powerful volcanic eruption in recorded human history. 9–10. This eruption, with a volcanic explosivity index (VEI) of 7, ejected 37–45 km³ (8.8 cubic miles) of dense-rock equivalent (DRE) material into the atmosphere, and was the most recent confirmed VEI-7 eruption 4436307dc9

946 eruption of Mount Paektu It is one of the most powerful volcanic eruptions in recorded history; classified at. This event is known as the Millennium Eruption or Tianchi eruption 4436307dc9

List of Quaternary volcanic eruptions This article is a list of historical volcanic eruptions of approximately magnitude 6 or more on the Volcanic Explosivity Index (VEI) or equivalent sulfur This article is a list of historical volcanic eruptions of approximately magnitude 6 or more on the Volcanic Explosivity Index (VEI) or equivalent sulfur dioxide emission during the Holocene, and Pleistocene eruptions of the Decade Volcanoes (Avachinsky–Koryaksky, Kamchatka; Colima, Trans-Mexican Volcanic Belt; Mount Etna, Sicily; Galeras, Andes, Northern Volcanic Zone; Mauna Loa, Hawaii; Mount Merapi, Central Java; Mount Nyiragongo, East African Rift; Mount Rainier, Washington; Sakurajima, Kagoshima Prefecture; Santamaria/ Santiaguito, Central America Volcanic Arc; Santorini, Cyclades; Taal Volcano, Luzon Volcanic Arc; Teide, Canary Islands; Ulawun, New Britain; Mount Unzen, Nagasaki Prefecture; Mount Vesuvius, Naples); Campania, Italy; South Aegean Volcanic Arc; Laguna de Bay, Luzon Volcanic Arc; Mount Pinatubo, Luzon Volcanic Arc; Toba, Sunda Arc; Mount Meager massif, Garibaldi Volcanic Belt; Yellowstone hotspot, Wyoming; and Taupō Volcanic Zone, greater than VEI 4 4436307dc9

The eruptions in the Holocene on the link: Holocene Volcanoes in Kamchatka were not added yet, but they are listed on the Peter L. Ward's supplemental table. Some of the eruptions are not listed on the Global Volcanism... 4436307dc9 == Chronology of the eruption == 4436307dc9 == Explosive eruptions == 4436307dc9

Explosive eruption explosive eruption is a volcanic eruption of the most violent type. Sometimes a lava plug will block the conduit to the summit, and when this occurs, eruptions are more violent. Such eruptions result when sufficient gas has dissolved under pressure within a viscous magma such that expelled lava violently froths into volcanic ash when pressure is suddenly lowered at the vent. A notable example is the 1980 eruption of Mount St. Helens. Helens. A notable example is the 1980 eruption of Mount St. Helens. Explosive eruptions can expel as much as 1,000 kg (2,200 lb) per second of rocks, dust, gas and pyroclastic material, averaged over the duration of eruption, that travels at several hundred meters per second as high as 20 km (12 mi) into the atmosphere. Such eruptions result when In volcanology, an explosive eruption is a volcanic eruption of the most violent type 4436307dc9

Volcanic ash 079 inches). Volcanic ash consists of fragments of rock, mineral crystals, and volcanic glass, produced during volcanic eruptions and measuring less than 2 mm (0.079 inches) 4436307dc9

Volcanic hazard A volcanic hazard is the probability a volcanic eruption or related geophysical event will occur in a given geographic area and within a specified window 4436307dc9

== Physics == 4436307dc9

Minoan eruption 8 mi³) of dense-rock equivalent (DRE), the eruption was one of the largest volcanic events in human history. Because tephra from the Minoan eruption serves as a marker horizon in nearly all archaeological sites in the Eastern Mediterranean, its precise date is of high importance and has been fiercely debated among archaeologists and volcanologists for decades, without coming to a definite conclusion. 7–9. It destroyed the Minoan settlement at Akrotiri, as well as communities

and agricultural areas on nearby islands and the coast of Crete with subsequent earthquakes and tsunamis. The Minoan eruption was a catastrophic volcanic eruption that devastated the Aegean island of Thera (also called Santorini) circa 1600 BC. It destroyed The Minoan eruption was a catastrophic volcanic eruption that devastated the Aegean island of Thera (also called Santorini) circa 1600 BC. With a Volcanic Explosivity Index (VEI) of 7, it resulted in the ejection of approximately 28–41 km³ (6 4436307dc9

2022 Hunga Tonga–Hunga Ha’apai eruption and tsunami subduction zone extending from New Zealand to Fiji. On the Volcanic Explosivity Index scale, the eruption was rated at least a VEI-5. Described by scientists 4436307dc9

Although there are no clear ancient records of the eruption, its plume and volcanic lightning may have been described in the Egyptian Tempest Stele, though recent studies have disputed this based on the carbon dating of early 18th Dynasty artefacts. The Chinese Bamboo Annals reported unusual yellow skies and summer frost at the beginning of the Shang dynasty, which may have... 4436307dc9 Although the Mount Tambora eruption reached a violent climax on 10 April 1815, increased steaming and small phreatic eruptions occurred during the next six months to three years. The ash from the eruption column dispersed around the world and lowered global temperatures in an event sometimes known as the Year Without a Summer in 1816. This brief period of significant climate change triggered extreme weather and harvest failures in many areas around the world. Several climate forcings coincided and interacted in a systematic manner that has not been observed after any other large volcanic eruption since the early Stone Age. 4436307dc9

1458 mystery eruption caused by mystery volcanic eruptions in the mid-1400s: the 1452/1453 mystery eruption and 1458 mystery eruption. Before 2012, the date of 1458 sulfate spike 4436307dc9

There have likely been many such eruptions during Earth's history beyond those shown in these lists. However, erosion and plate tectonics have taken their toll, and many eruptions have not left enough evidence for geologists to establish their size. Even for the eruptions listed here, estimates of the volume erupted can be subject to considerable uncertainty. 4436307dc9

List of largest volcanic eruptions In a volcanic eruption, lava, volcanic bombs, ash, and various gases are expelled from a volcanic vent and fissure. A separate list is given below for each type. Volcanic eruptions can generally be characterized as either explosive eruptions, sudden ejections of rock and ash, or effusive eruptions, relatively gentle outpourings of lava. While many eruptions only pose dangers to the immediately surrounding area, Earth's largest eruptions can have a major regional or even global impact, with some affecting the climate and contributing to mass extinctions. While many eruptions only pose dangers In a volcanic eruption, lava, volcanic bombs, ash, and various gases are expelled from a volcanic vent and fissure 4436307dc9

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