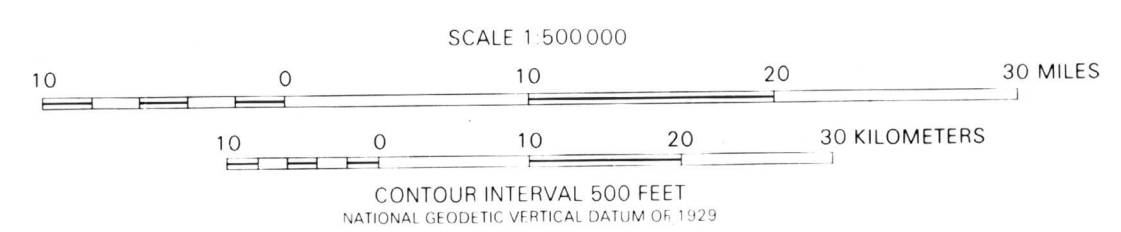
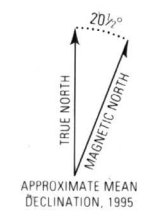


- EXPLANATION**
LAVA FLOWS AND PYROCLASTIC FLOWS
- Hazard zone LA- Areas subject to lava flows erupted from vents on the summit and upper flanks of Mount Adams. Also includes areas subject to pyroclastic flows and lahars initiated by melting of snow and ice by lava flows and pyroclastic flows. On the basis of past activity (table 1), estimated annual probability of a given point in zone LA being covered by a lava flow is about 1 in 30,000 to 1 in 100,000.
 - Hazard zone LB- Areas subject to lava flows, pyroclastic flows, and thick near-vent tephra deposits erupted from vents at the north and south ends of the Mount Adams volcanic field and the Indian Heaven volcanic field. On the basis of past activity (table 1), estimated annual probability of a given point in zone LB being covered by a lava flow is about 1 in 100,000 to 1 in 1,000,000
 - Hazard zone LC- Areas subject to lava flows, pyroclastic flows, and thick near-vent tephra deposits erupted from vents in the Simcoe Mountains volcanic field and other parts of southern Washington Cascade Range exclusive of the Mount Adams and Indian Heaven volcanic fields. On the basis of past activity, estimated annual probability of a given point in zone LC being covered by a lava flow is less than 1 in 1,000,000.
 - Lava flow younger than 10,000 years.
 - Lateral-blast hazard zone-- Subject to lateral blasts like that of 1980 at Mount St. Helens; sector of 90 to 180° could be affected by such event, whose probability is very low. Maximum extent of blast estimated from the formula: $H/L = 0.09$ where H is the elevation difference between Mount Adams' summit and the hazard boundary line, and L is the horizontal distance from the summit to the hazard boundary line. The value, 0.09, was derived from the 1980 blast at Mount St. Helens.
 - Approximate boundaries of vent areas of volcanic fields. Vents on summit and upper flanks of Mount Adams are contained in enclosed area of Mount Adams volcanic field.
 - Young volcano - includes cinder cones, shield volcanoes, lava domes, and lava-flow vents younger than 1 million years.
 - Major composite volcano active during past 10,000 years.

123°00'
Base from U.S. Geological Survey, State of Washington, 1961
Lamber Conformal Conic projection based on standard parallels 33° and 45°



This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Map of south-central Washington showing young volcanoes, lava-flow hazard zones, and lateral-blast hazard zone for Mount Adams
By
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1995