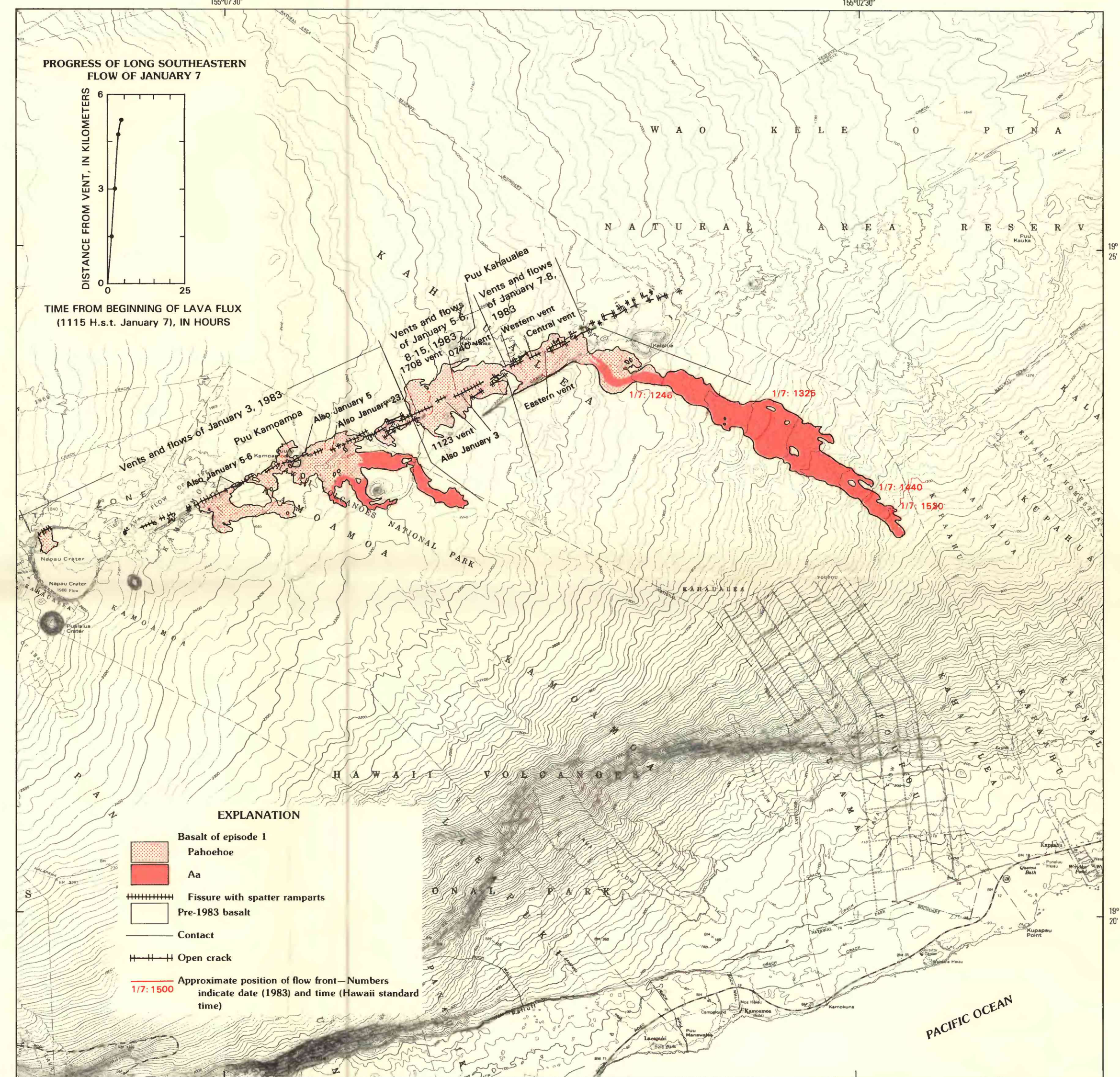
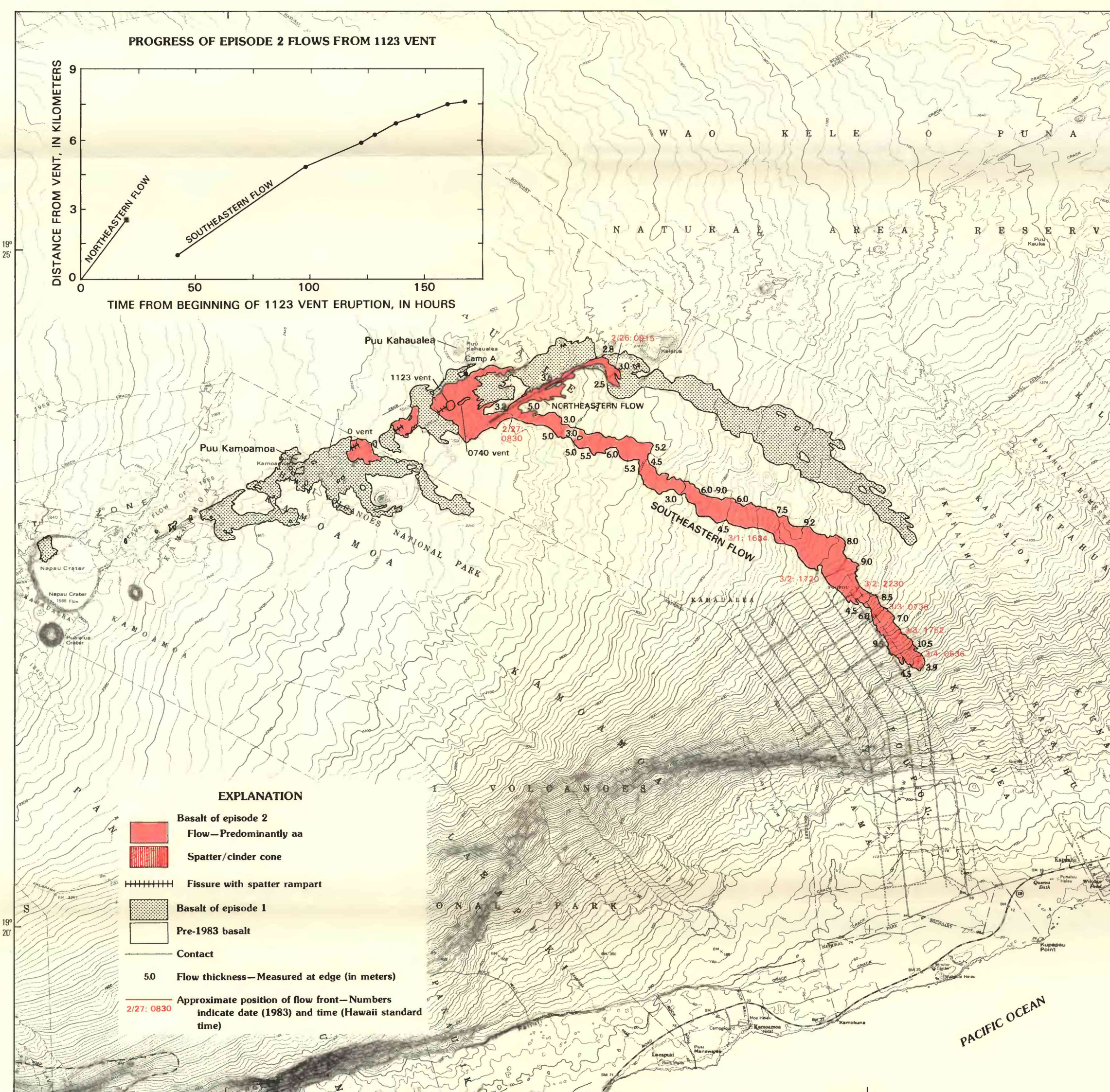




ERUPTIVE FISSURES, 1961-1983,  
AND BASALT OF EPISODES 1 THROUGH 20



EPISODE 1

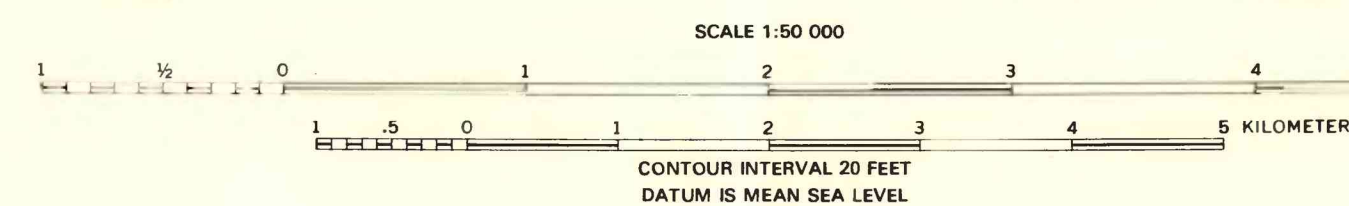


EPISODE 2



EPISODE 3

Base from U.S. Geological Survey 1:24,000  
Kalapana, Makoopuhi Crater, Volcano, 1981;  
Kalapana, 1982



**ERUPTIVE FISSURES IN THE MIDDLE EAST RIFT ZONE OF KILAUEA VOLCANO FOR ERUPTIONS FROM 1961 THROUGH 1983,  
AND DISTRIBUTION OF FLOWS AND VENT DEPOSITS, MEASURED FLOW THICKNESSES, AND FLOW PROGRESS  
FOR EPISODES 1 THROUGH 3 OF THE PUU OO ERUPTION**