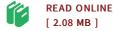# The Probability of Lava Inundation at the Proposed and Existing Kulani Prison Sites: Usgs Open-File Report 98-794

By J P Kauahikaua, F A Trusdell, C C Heliker

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.The State of Hawaii has proposed building a 2,300-bed medium-security prison about 10 km downslope from the existing Kulani medium-security correctional facility. The proposed and existing facilities lie on the northeast rift zone of Mauna Loa, which last erupted in 1984 in this same general area. We use the best available geologic mapping and dating with GIS software to estimate the average recurrence interval between lava flows that inundate these sites. Three different methods are used to adjust the number of flows exposed at the surface for those flows that are buried to allow a better representation of the recurrence interval. Probabilities are then computed, based on these recurrence intervals, assuming that the data match a Poisson distribution. The probability of lava inundation for the existing prison site is estimated to be 11- 12 in the next 50 years. The probability of lava inundation for the proposed sites B and C are 2- 3 and 1-2 , respectively, in the same period. The probabilities are based on estimated recurrence intervals for lava flows, which are approximately proportional to...

READ ONLINE
[2.08 MB]

Reviews

This is basically the greatest pdf i have got go through right up until now. It normally fails to cost excessive. Once you begin to read the book, it is extremely difficult to leave it before concluding.
-- Genoveva Langworth

Complete manual! Its such a great study. It really is writter in straightforward phrases rather than hard to understand. You are going to like the way the article writer create this publication.
-- Ike Fadel