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Geological Survey water-supply paper Volume 1544

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 92 pages. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1961 Excerpt: . . . to apply the full head. According to Lewis (1937), the duration of testing also depends upon the information desired. Most infiltration tests are of short duration to simulate the effects of rainfall or the application of irrigation water. Even then, the rate usually decreases with time of application. It seems to be the opinion of investigators that when the rate of infiltration is low a correction must be made for the evaporation rate during the test, or the evaporation must be minimized by covering the water surface with a film of oil or a monomolecular film of a waxy alcohol, such as hexadecanol or octadecanol. If infiltrometer rings are used, a cover may be installed to reduce evaporation virtually to zero. The infiltration rate is influenced also by plant and animal action in the sediments. Decaying roots leave channels throughout the root zone. Roots extend to considerable depths, some reaching 10...



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