

# Measuring evaporation

<https://www.youtube.com/user/MartinRHendriks/videos>



- Pan evaporation
- Open-water evaporation

# Pan evaporation

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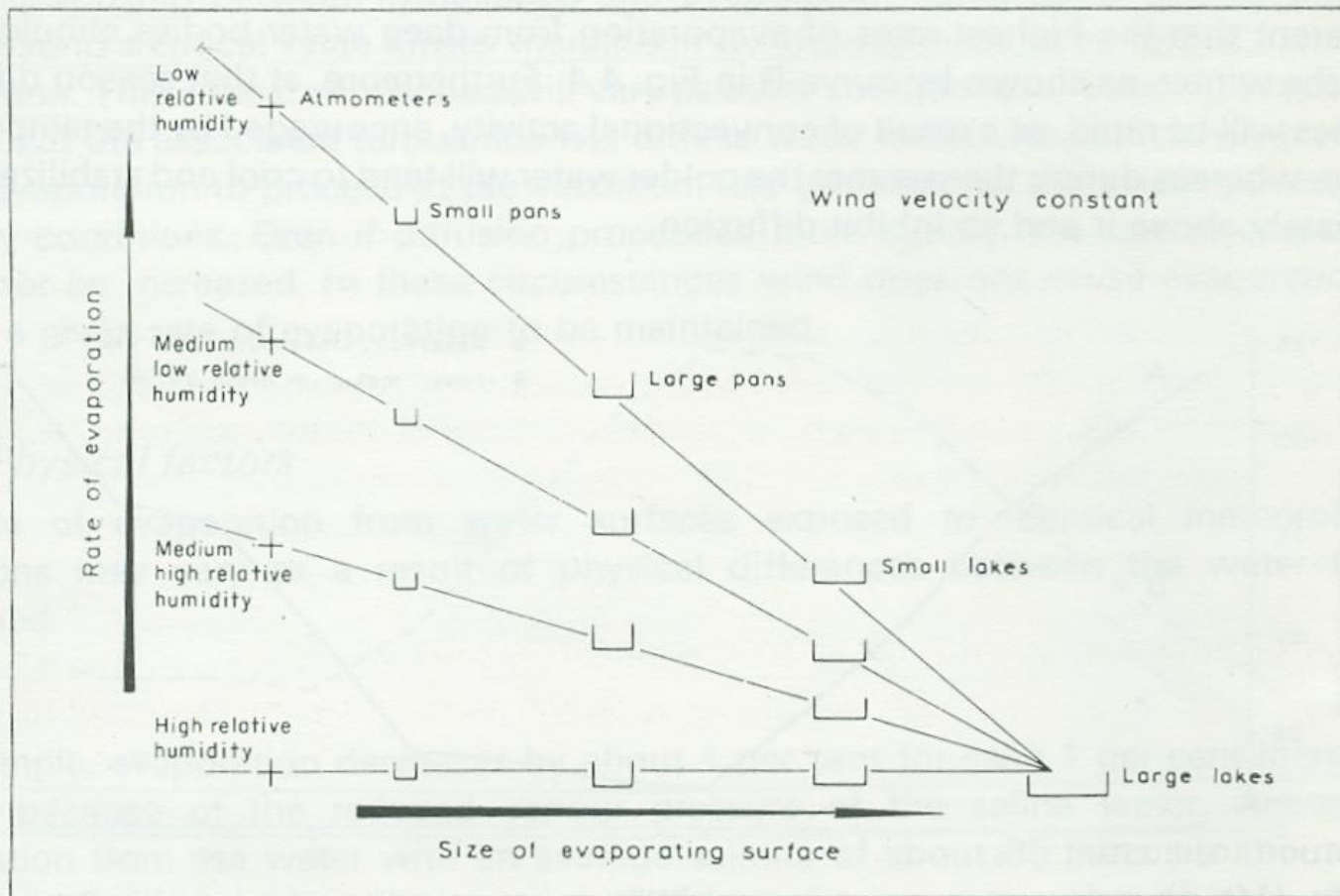
$$E_{\text{open water}} = p \times E_{\text{pan}} \quad p = \text{pan coefficient}$$



$p$  on an annual basis  $\cong 0.8$

# Evaporation rate

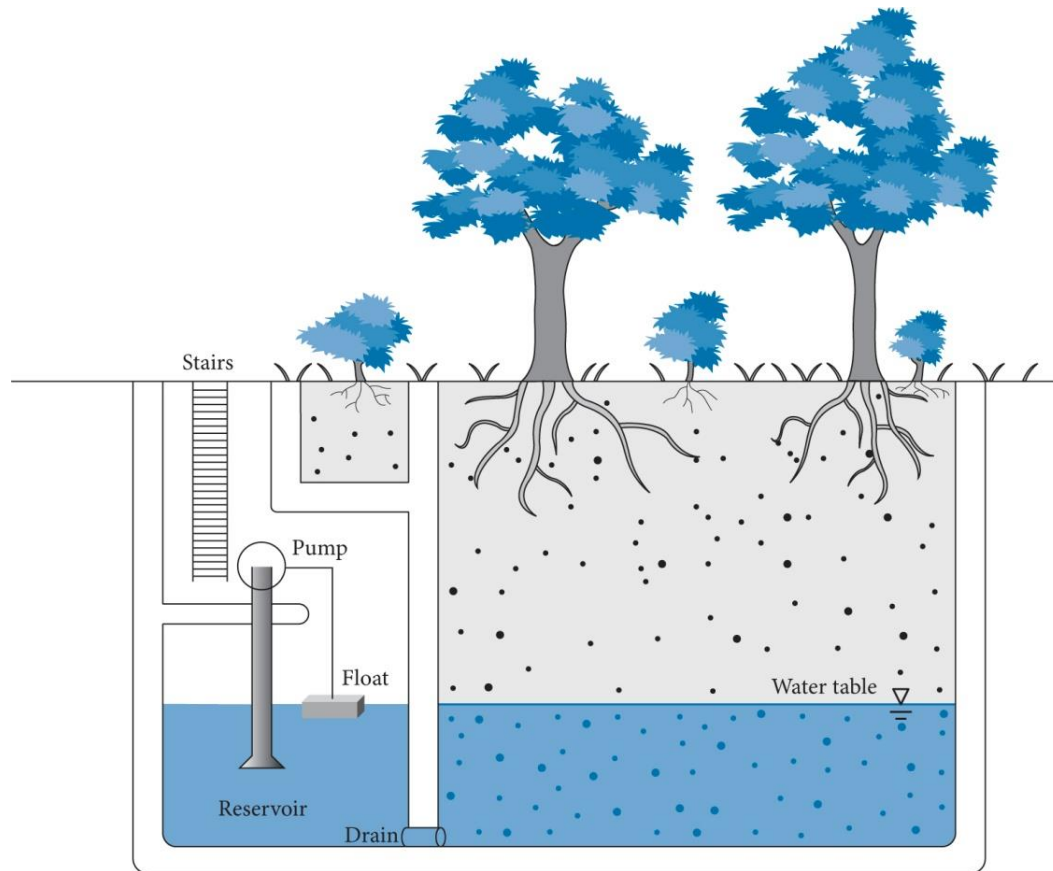
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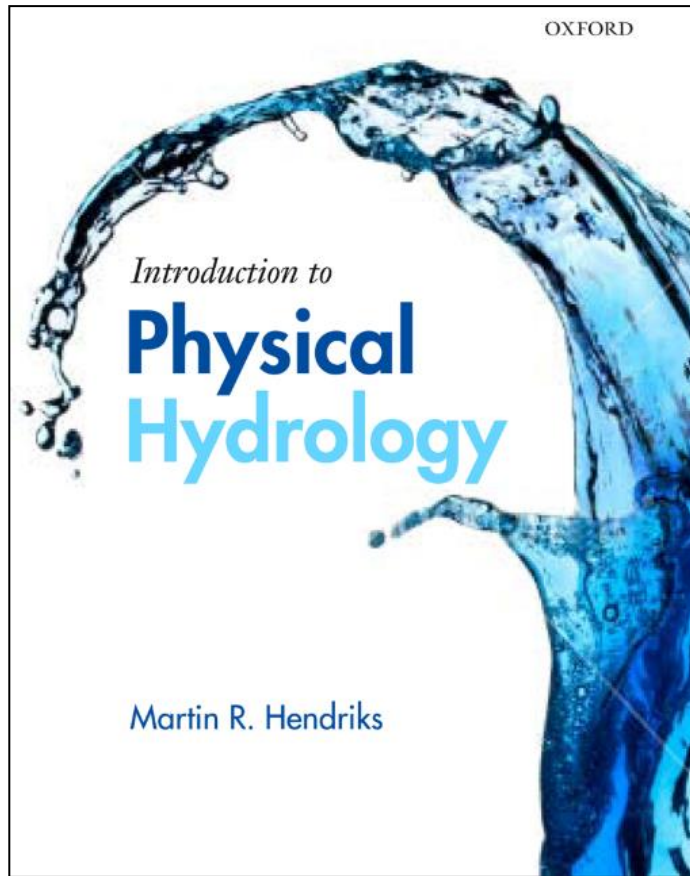
**Figure 4.5** *The relationship between the rate of evaporation, the size of the evaporating surface and the relative humidity (from an original diagram by Thornthwaite and Mather, 1955).*

# Lysimeter - Soil evaporation

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# References



Thornthwaite, C.W. and Mather, J.R. (1955). The water balance. *Publications in Climatology*, 8, 1-86.

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