



Investigation of Water temperature effects on Evaporation from of Salt Water Surfaces

hossien sharifan, Mona Saffar, A.Ahmad Dehghani, and Mohsen Tahmasebi
University Gorgan, irrigation, Gorgan, Islamic Republic Of Iran (h_sharifan47@yahoo.com)

Investigation of Water temperature effects on Evaporation from of Salt Water Surfaces

Sharifan, H, Saffar, M., Dehghni, A. A. and Tahmasbi, M.
Student M. S., Assistant Prof. and Student in Water Eng. Dep. of Gorgan Agri. Univer-
sity(h_sharifan47@yahoo.com)

Abstract:

Evaporation is one the required factors for planning, design and management of the water resources. As far as management is concerned, this factor is particularly important in projects such as construction of dams, irrigation and derange etc. and this parameter is influenced by various natural factors. Therefore the purpose of this research work is to determine the relationship between evaporation from the tub and salinity of water and its temperature on surface and bed of the pan. In this study there are 11 treatments(0.7 to 400 mmohs./cm) and the temperature of the water in two 5 centimeter deep from the water surface and the bed. The results showed that by increasing the salinity level the extent of evaporation decreases and by increasing of the temperature (surface with the bed and average of these two) the evaporation increases. The relationship in the above mentioned four conditions is none liner.

Key words: salinity water, Evaporation Pan, temperature, Gorgan