

Recent Caspian sea Level Change

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The caspian sea is a Pluvial Lake, it was subject to sveral changes in Quaternary; but the evolution of Pluvial lake is not the same as an open sea or ocan.

The Open sea Level incrsase in interglaciation (warm Period). But the closed bassin and Pluvial Lake level will decrease at the same Period.

This Hydrological bilan is negative in warm Period but it is Positive in cold period (glaciation) in caspian sea

That is on of the reason of decreasing surface water Level of Caspian in Holocene Tims (-25.5m in 1931,-28.5m in 1978).

The inceasing surfasce Level, in Caspian sea, since 1978, about 13 cm per year, is du to input of 65 Km³ water per year, From North river (Petchura, etc), transported by Volga Channel, to reach the agement Level of 1931, The decreasing Level from 1931- to 1978 affected the ecology, the fishering and Transport, in Northen Part of Caspian sea, with averge deep of 6m only.

This considèration desapprove all late propositions and ideas Concerning the important change in climat, the crust deformation, tectonic, volcanic activity or Green House Effect. in Caspian sea.