

The world's large, terminal lakes are changing volume at alarming rates. Are those rates knowable a prioi?



The Aral Sea pictured from orbit from 1977-2013. Once the fourth largest inland lake in the world, the modern Aral Sea is only around 10% of its size in 1960 and receives about a 10th the water input. The drainage basin for the Aral Sea supports around 60 million people. Source (UNEP Sioux Falls, 2014)



Equilibrium Response Time of Closed-Lake Volume Adjustment as it Relates to Climate Change

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> The equilibrium response time of a lake is defined as the time it takes for the lake to reach a fraction of it's total area, defined by (1-1/e), or ~ 63%





