

Evaluating Lake Stratification and Temporal Trends by Using Near-Continuous Water-Quality Data from Automated Profiling Systems for Water Years 2005-09, Lake Mead, Arizona and Nevada: Usgs Scientific Investigations Report 2012-5080



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Reviews


This written book is excellent. It typically is not going to price a lot of. I found out this book from my dad and i encouraged this book to discover.


(Darrin Abbott)

EVALUATING LAKE STRATIFICATION AND TEMPORAL TRENDS BY USING NEAR-CONTINUOUS WATER-QUALITY DATA FROM AUTOMATED PROFILING SYSTEMS FOR WATER YEARS 2005-09, LAKE MEAD, ARIZONA AND NEVADA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2012-5080

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Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.The U.S. Geological Survey, in cooperation with the National Park Service and Southern Nevada Water Authority, collected near-continuous depth-dependent water-quality data at Lake Mead, Arizona and Nevada, as part of a multi-agency monitoring network maintained to provide resource managers with basic data and to gain a better understanding of the hydrodynamics of the lake. Water-quality data-collection stations on Lake Mead were located in shallow water (less than 20 meters) at Las Vegas Bay (Site 3) and Overton Arm, and in deep water (greater than 20 meters) near Sentinel Island and at Virgin and Temple Basins. At each station, near-continual depth-dependent water-quality data were collected from October 2004 through September 2009. The data were collected by using automatic profiling systems equipped with multiparameter water-quality sondes. The sondes had sensors for temperature, specific conductance, dissolved oxygen, pH, turbidity, and depth. Data were collected every 6 hours at 2-meter depth intervals (for shallow-water stations) or 5-meter depth intervals (for deep-water stations) beginning at 1 meter below water surface. Data were analyzed to determine water-quality conditions related to stratification of the lake and temporal trends in water-quality parameters. Three water-quality parameters were the main focus of these analyses: temperature, specific conductance, and dissolved oxygen. Statistical temporal-trend analyses were performed for a single depth at shallow-water stations [Las Vegas Bay (Site 3) and Overton Arm] and for thermally-stratified lake layers at deep-water stations (Sentinel Island and Virgin Basin). The limited period of data collection at the Temple Basin station prevented the application of statistical trend analysis. During the summer months, thermal stratification was not observed at shallow-water stations, nor were major maxima or minima observed for specific-conductance or dissolved-oxygen profiles. A clearly-defined thermocline...

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