

Shallow Lakes In A Changing World

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The water-quality and management problems of lakes have led to a greater need for fundamental research on shallow lakes in order to gain a deeper insight into the structure and functioning of the food web in these waters. New knowledge relating to littoral pelagial interactions and the sediment water interface has facilitated the development of new lake restoration techniques. This volume, with 41 peer-reviewed papers, comprises the proceedings of the 5th International Symposium on Shallow Lakes, which was held at Dalfsen, The Netherlands, on 5-9 June 2005. It has the theme Shallow Lakes in a Changing World and deals with water-quality issues, such as changes in lake limnology, especially those driven by eutrophication and pollution, increased nutrient loading and productivity, perennial blooms of cyanobacteria and loss of biodiversity. The general consensus is that the lakes under restoration respond by showing an increase in water clarity followed by an increase in macrophyte coverage and biomass. Consequently, there is now ground for theoretical speculations on the so-called alternate stable states observed in many such lakes under restoration. EAN/ISBN : 9781402063992 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Gulati, Ramesh D. - Lammens, Eddy - Pauw, Niels

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