



Potential Climate Change Effects on Great Lakes Hydrodynamics and Water Quality (Paperback)

By -

American Society of Civil Engineers, United States, 1999. Paperback. Condition: New. Language: English . Brand New Book. The problem of climate change has become increasingly recognized as a major environmental concern. Its impact can affect many socio-economic and ecosystem components. This book provides a state-of-the-art review of the climate change effects on lake hydrodynamics and water quality. Most of the engineering cases covered deal with the ability of existing infrastructure to cope with extreme weather conditions. The aim is to provide sufficient case studies to illustrate the advancement in modeling research on lake hydrodynamics, thermal stratification, pollutant transport and water quality by highlighting the climate change aspects in the application of these techniques. Subjects include: climate and lake responses, lake thermodynamics, large-scale circulation, wind-waves on large lakes, great lakes ice cover, and water quality.



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