



Pollutant Effects in Freshwater: Applied Limnology, 3rd Edition

By Jacoby, J.; Welch, E.

CRC Press, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Part One General Concepts of Aquatic Ecosystems. 1 Ecosystem function and management. 1.1 Ecosystem composition and energy sources. 1.2 Energy flow and nutrient cycling. 1.3 Efficiency of energy and nutrient use. 1.4 Management of ecosystems. 2 Standing crop, productivity and growth limitation. 2.1 Pyramid of biomass. 2.2 Productivity. 2.3 Efficiency of energy transfer. 2.4 Population growth and limitation. 3 Hydrographic characteristics. 3.1 Types of flow. 3.2 Boundary layers. 3.3 Physical factors controlling wastewater distribution. 3.4 Density effects. 3.5 Density currents. 3.6 Thermal properties of lakes. 3.7 Origin of lakes. 3.8 Thermal cycle in a typical mid-latitude regime. 3.9 Classification of lakes by temperature regime. 3.10 Water movements. 3.11 Seiches. 3.12 Surface waves. 3.13 Wind-driven currents. 3.14 Tidal effects. 3.15 Water movements in large lakes. 3.16 Thermal bar. 3.17 Measurement of water movements. 3.18 Dispersal processes. 3.19 Sedimentation. 4 Nutrient Cycles. 4.1 Phosphorus. 4.2 Nitrogen. 4.3 Sulphur. 4.4 Carbon. 5 Characteristics of pollutants. 5.1 Domestic sources. 5.2 Urban runoff. 5.3 Industrial wastes. 5.4 Agricultural wastes. 5.5 Biological pollution. Part Two Effects of Pollutants in Standing Water. 6 Phytoplankton. 6.1 Seasonal pattern. 6.2 Population growth kinetics...



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