



Plankton: A Guide to their Ecology and Monitoring for Water Quality

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Plankton serves as a wonderful tool for measuring water quality. Many local councils and water quality managers collect phytoplankton and zooplankton in response to the increasing incidence of algal (phytoplankton) blooms in rivers and estuaries; however, a lack of consistency and scientific rigor in the methodologies used often results in unresolved outcomes. While some guidelines have been developed for the collection and monitoring of freshwater algae (Algal Watch), there are differences between the methods and protocols used to sample estuaries and freshwater systems as well as those used to sample zooplankton.

This practical book gives an introduction to the biology and ecology of plankton and its use as a tool for monitoring water quality. It explores the ecology of plankton, its associated environmental and water quality issues, and its importance as an environmental indicator. A chapter on best practice in sampling and monitoring details how to design, implement and conduct meaningful phytoplankton and zooplankton monitoring programs in marine and freshwater habitats. It gives overviews of the major freshwater and coastal phytoplankton and zooplankton groups and outlines their associated environmental issues and the management implications. A select number of real-life case studies demonstrate the use of plankton for identifying and monitoring water quality issues.

This useful resource: explains the role of plankton in aquatic ecosystems and its usefulness as a water quality indicator; updates and details best practice in methodology for plankton sampling and monitoring programs; demonstrates how to analyze and interpret the results of sampling programs in terms of management strategies; and brings together widely-scattered information on freshwater and coastal phytoplankton and zooplankton and provides a list of up-to-date references.

Of interest to environment managers; water authority ecologists/managers; scientists and others in government agencies charged with managing water quality in inland and coastal waterways; estuary and catchment management committees; coastal engineers and environmental consulting companies; aquaculturists; marine ecologists; professors and undergraduate students of invertebrate biology, environmental impact assessment and marine biology.

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Nick Jansen:

This Plankton: A Guide to their Ecology and Monitoring for Water Quality book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book is usually information inside this publication incredible fresh, you will get info which is getting deeper anyone read a lot of information you will get. This Plankton: A Guide to their Ecology and Monitoring for Water Quality without we understand teach the one who reading it become critical in imagining and analyzing. Don't become worry Plankton: A Guide to their Ecology and Monitoring for Water Quality can bring once you are and not make your bag space or bookshelves' grow to be full because you can have it with your lovely laptop even cellphone. This Plankton: A Guide to their Ecology and Monitoring for Water Quality having excellent arrangement in word and layout, so you will not feel uninterested in reading.

Sondra Spencer:

A lot of people always spent all their free time to vacation as well as go to the outside with them family members or their friend. Were you aware? Many a lot of people spent they free time just watching TV, or perhaps playing video games all day long. In order to try to find a new activity honestly, that is look different you can read the book. It is really fun for you. If you enjoy the book which you read you can spent all day every day to reading a guide. The book Plankton: A Guide to their Ecology and Monitoring for Water Quality it is very good to read. There are a lot of those who recommended this book. These were enjoying reading this book. In case you did not have enough space to bring this book you can buy typically the e-book. You can m0ore very easily to read this book out of your smart phone. The price is not too costly but this book features high quality.

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