This timely book brings readers up to date on the wide range of advances made in fisheries science since the publication in 1957 of On the Dynamics of Exploited Fish Populations (Beverton and Holt), regarded by many fisheries scientists as one of the most important books on fisheries yet published.

Traditional fishery subjects covered include historic declines and changes in fishing fleets, fisheries management and stock assessments, data-poor situations, simulation and modeling of fished stocks, fisheries economics, assessing reproductive potential and dispersal of larvae, fisheries for sharks and rays, and use of marine technology. Additionally, related subjects of increasing importance now that ecological approaches to management are coming to the fore are presented. They include benthic ecology, ecosystem changes linked to fishing, life history theory, the effects of chemicals on fish reproduction, and use of sounds in the sea by marine life. Several chapters offer stimulating philosophical discussion of the many controversial areas still existing.

This significant book contains contributions by world-renowned fisheries scientists, including many based at Cefas (where Beverton and Holt’s original work was carried out). It is an essential purchase for fisheries managers and scientists, fish biologists, marine scientists and ecologists. Libraries in all universities and research establishments where fisheries and biological sciences are studied and taught are likely to need copies of this landmark publication.

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