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Nota di contenuto	Management and Ecology of River Fisheries; Contents; Preface; I Assessment of fish community structure and dynamics; 1 Selecting gear for monitoring fish assemblages; 2 Longitudinal hydroacoustic survey of fish in the Elbe River supplemented by direct capture; 3 Summary of the use of hydroacoustics for quantifying the escapement of adult salmonids (<i>Oncorhynchus</i> and <i>Salmo</i> species) in rivers; 4 Relative selectivity of hoopnetting and electric fishing in the Lower Mississippi River; II Large river fisheries; 5 The fish community of the River Thames: status, pressures and management 6 Cyclic behaviour of potamodromous fish in large rivers7 Seasonal movements of coarse fish in lowland rivers and their relevance to fisheries management; 8 Seasonal and diel changes of young-of-the-year fish in the channelised stretch of the Vltava River (Bohemia, Czech Republic); III Habitat requirements; 9 Trout, summer flows and irrigation canals: a study of habitat condition and trout populations within a complex system; 10 Dynamics of a population of brown trout

(*Salmo trutta*) and fluctuations in physical habitat conditions - experiments on a stream in the Pyrenees; first results
11 Fish habitat associations, community structure, density and biomass in natural and channelised lowland streams in the catchment of the River Wensum, UK
12 A methodology to evaluate physical habitat for reproduction of brown trout (*Salmo trutta* L.) and relation with fry recruitment; IV Anthropogenic impacts; 13 Wimbleball Pumped Storage Scheme: integration of water resource management, engineering design and operational control to compliment the needs of the salmonid fisheries in the River Exe
14 Impacts of hydraulic engineering on the dynamics and production potential of floodplain fish populations in Bangladesh: implications for management
15 Management of fisheries in rivers used for potable abstractions in drought conditions: public health versus ecology; 16 Impacts of the Ok Tedi copper mine on fish populations in the Fly River system, Papua New Guinea; 17 Riverine fish stock and regional agronomic responses to hydrological and climatic regimes in the upper Yazoo River basin; V Rehabilitation of river fisheries
18 An assessment of anthropogenic activities on and rehabilitation of river fisheries: current state and future direction
19 Defining and achieving fish habitat rehabilitation in large, low-gradient rivers; 20 Watershed analysis and restoration in the Siuslaw River, Oregon, USA; 21 Planning implications of a habitat improvement project conducted on a Newfoundland stream; 22 Provision for the juvenile stages of coarse fish in river rehabilitation projects; VI Management; 23 Principles and approaches for river fisheries management; 24 Fisheries science and the managerial imperative
25 The use of spawning targets for salmon fishery management in England and Wales

Sommario/riassunto

In this edited work, international experts in fisheries management and ecology review and appraise the status of river fisheries, assessment methodology, constraints on development, issues and options regarding management and associated problems in both temperate and tropical countries. Recommendations are made to improve management and an attempt is made to provide guidelines for formulating policy, for planning methodology and for evaluating future activities. Assessment of fish community structure and dynamics. Factors constraining stock recruitment. Fish hab
