Record Nr. UNINA9910877186303321

Titolo Sea trout: biology, conservation, and management: proceedings of

First International Sea Trout Symposium, Cardiff, July 2004 / / edited

by Graeme Harris and Nigel Milner

Pubbl/distr/stampa Oxford;; Ames, Iowa,: Blackwell, 2006

ISBN 1-281-31219-3

9786611312190 0-470-76219-5 0-470-99602-1 0-470-99601-3

Descrizione fisica 1 online resource (522 p.)

Altri autori (Persone) HarrisGraeme

MilnerNigel

Disciplina 639.3/757

Soggetti Sea trout

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Description based upon print version of record.

Nota di bibliografia Includes bibliographical references and index.

Nota di contenuto SEA TROUT:BIOLOGY, CONSERVATIONAND MANAGEMENT; Contents;

Foreword; Preface; Opening Address 1. Sea Trout: AWelsh Perspective; Opening Address 2. Sea Trout and the Environment Agency; 1 Setting the Scene - Sea Trout in England and Wales - A Personal Perspective; Section 1STOCKS AND FISHERIES; 2 Patterns of Anadromy and Migrations of Pacific Salmon and Trout at Sea; 3 A Review of the Status of Irish Sea Trout Stocks; 4 Characteristics of the Sea Trout Salmo trutta (L.) Stock Collapse in the River Ewe (Wester Ross, Scotland), in 1988-2001

5 Characteristics of the Sea Trout (Salmo trutta L.) Stocks from the Owengowla and Invermore Fisheries, Connemara, Western Ireland, and Recent Trends in Marine Survival6 Annual Variation in Age

Composition, Growth and Abundance of Adult Sea Trout Returning to the River Dee at Chester, 1991-2003; 7 Sea Trout Stock Descriptions in England and Wales; 8 The Rod and Net Sea Trout Fisheries of England and Wales; 9 General Overview of Turkish Sea Trout (Salmo trutta L.) Populations; 10 The Status and Exploitation of Sea Trout on the Finnish Coast of the Gulf of Bothnia in the Baltic Sea

11 Sea Trout (Salmo trutta L.) in European Salmon (Salmo salar L.) RiversSection 2GENETICS AND LIFE HISTORY; 12 Genetics of Sea Trout, with Particular Reference to Britain and Ireland; 13 The Genetic Basis of Smoltification: Functional Genomics Tools Facilitate the Search for the Needle in the Haystack; 14 Life History of the Anadromous Trout Salmo trutta; 15 Migration as a Life-History Strategy for the Sea Trout; 16 Life History of a SeaTrout (Salmo trutta L.) Population from the North-West Iberian Peninsula (River Ulla, Galicia, Spain) 17 Review and Perspectives on Molecular Genetic Approaches to Sea Trout BiologySection 3POPULATION DYNAMICS, ECOLOGYAND BEHAVIOUR; 18 A 35-Year Study of Stock-Recruitment Relationships in a Small Population of Sea Trout: Assumptions, Implications and Limitations for Predicting Targets; 19 Characteristics of the Burrishoole Sea Trout Population: Census, Marine Survival, Enhancement and Stock...Recruitment Relationship, 1971-2003; 20 Population Dynamics and Stock-Recruitment Relationship of Sea Trout in the River Bresle, Upper Normandy, France; Section 4MANAGING STOCKS AND FISHERIES 21 The Spawning Habitat Requirements of Sea Trout: A Multi-Scale Approach22 Research Activities and Management of Brown Trout and Sea Trout (Salmo trutta L.) in Denmark; 23 Stocking Sea Trout (Salmo trutta L.) in the River Shieldaig, Scotland; 24 Is Stocking with Sea Trout Compatible with the Conservation of Wild Trout (Salmo trutta L.)?; 25 Sea Lice Lepeophtheirus salmonis Infestations of Post-Smolt Sea Trout in Loch Shieldaig, Wester Ross, 1999-2003; 26 Comparison of Survival, Migration and Growth in Wild, Offspring from Wild (F1) and Domesticated Sea-Run Trout (Salmo trutta L.) 27 The Rapid Establishment of a Resident Brown Trout Population from Sea Trout Progeny Stocked in a Fishless Stream

Sommario/riassunto

The Brown trout displays widely divergent life history strategies involving, variously, usage of streams, rivers, lakes, estuaries and the sea. The sea trout is the full sea-going form, it is very common and competes with salmon for the position of the most sought after migratory salmonid in many countries. Its use of freshwater, estuaries and coastal waters gives it a unique position as a sentinel species of environmental quality across these habitats. Although a commercially and recreationally important fish species, the management and scientific knowledge about sea trout has often been ov