Record Nr. UNINA9910877040803321 The Atlantic salmon: genetics, conservation and management // **Titolo** edited by Eric Verspoor, Lee Stradmeyer, Jennifer Nielsen Pubbl/distr/stampa Oxford:: Ames, Iowa,: Blackwell Pub., 2007 **ISBN** 1-281-31212-6 9786611312121 0-470-99583-1 0-470-99584-X Descrizione fisica 1 online resource (522 p.) Altri autori (Persone) VerspoorEric StradmeyerL NielsenJennifer L Disciplina 639.9/7756 Soggetti Salmon stock management Atlantic salmon - Genetics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "SALGEN; Atlantic Salmon Trust." Nota di bibliografia Includes bibliographical references and index. Nota di contenuto The Atlantic Salmon Genetics, Conservation and Management: Contents: Foreword: Preface: Acknowledgements: Contributors: 1 Introduction; 1.1 Background; 1.2 Genetics, management and conservation: 1.3 Purpose of this book: 1.4 Organisation of this book: 1.5 Summary and conclusions; Part I Background; 2 The Atlantic Salmon; 2.1 Introduction; 2.2 Taxonomy and geographic range; 2.3 Life-history variation; 2.4 Biology of anadromous populations; 2.4.1 Distribution and life in fresh water; 2.4.2 Reproduction; 2.4.3 Egg size, development and survival; 2.4.4 Emergence and dispersal of fry 2.4.5 Free-swimming juvenile life and production2.4.6 Sexual maturation of parr; 2.4.7 Movements of parr; 2.4.8 Smolt migration; 2.4.9 Marine life and distribution; 2.4.10 Homing and return marine migration; 2.5 Biology of non-anadromous populations; 2.5.1 Geographic distribution; 2.5.2 Life history and behaviour; 2.5.3

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Sommario/riassunto

Atlantic Salmon is a cultural icon throughout its North Atlantic range; it is the focus of probably the World's highest profile recreational fishery and is the basis for one of the World's largest aquaculture industries. Despite this, many wild stocks of salmon are in decline and underpinning this is a dearth of information on the nature and extent of population structuring and adaptive population differentiation, and its implications for species conservation. This important new book will go a long way to rectify this situation by providing a thorough review of the genetics of Atlantic