1. Record Nr. UNINA9910830301203321 Autore Spotte Stephen Titolo Tarpons: biology, ecology, fisheries / / Stephen Spotte Pubbl/distr/stampa Chichester, England:,: Wiley,, 2016 ©2016 1-119-18570-X **ISBN** 1-119-18550-5 Descrizione fisica 1 online resource (347 p.) Disciplina 597.5/7 Soggetti Tarpon Tarpon fisheries 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. Title Page; Copyright Page; Contents; Preface; Acknowledgements: Nota di contenuto Symbols and abbreviations: Chapter 1 Development: 1.1 Introduction: 1.2 The tarpon leptocephalus; 1.3 Staging tarpon ontogeny; 1.4 Development of Atlantic tarpons; Stage 1 - Growing leptocephalus; Stage 2 - Shrinking leptocephalus; Stage 3 - Fry; Stage 4 - Juvenile; Stage 5 - Adult Atlantic tarpon; 1.5 Development of Pacific tarpons; Stage 1 - Growing leptocephalus; Stage 2 - Shrinking leptocephalus; Stage 3 - Fry; Stage 4 - Juvenile; Stage 5 - Adult Pacific tarpon; 1.6 Leptocephalus physiology; Chapter 2 Growth 2.1 Introduction2.2 The cube law; 2.3 Sexually dimorphic growth; 2.4 Condition: 2.5 Growth rate: 2.6 Modeling growth: 2.7 Tarpon larvae: Chapter 3 Spawning; 3.1 Introduction; 3.2 Fecundity and early survival; 3.3 Where tarpons spawn; 3.4 When tarpons spawn; 3.5 Size and age at

maturity - Atlantic tarpons; 3.6 Size and age at maturity - Pacific tarpons; Chapter 4 Recruitment; 4.1 Introduction; 4.2 Life in the plankton; 4.3 Inshore migration; 4.4 Offshore migration; 4.5

5 Breathing and respiration; 5.1 Introduction

Mechanisms of recruitment; 4.6 Factors affecting recruitment; Chapter

5.2 Water-breathing 5.3 Air-breathing; 5.4 Cardiovascular function; 5.5 Hypoxia; 5.6 Hypercapnia; 5.7 Air-breathing as social behavior; Chapter 6 Osmo- and ionoregulation; 6.1 Introduction; 6.2 Osmo- and

ionoregulation; 6.3 Ionocytes; 6.4 Acid-base regulation; 6.5 Ammonia excretion; 6.6 Euryhaline transition; 6.7 Endocrine factors; 6.8 Eggs and larvae; Chapter 7 Ecology; 7.1 Introduction; 7.2 Habitats; 7.3 Predators of tarpons; 7.4 Environmental factors affecting survival; 7.5 Gregariousness; 7.6 Seasonal movements; 7.7 Feeding and foods; Chapter 8 Fisheries; 8.1 Introduction