Record Nr. UNINA9910841634703321
 Titolo Stock enhancement and sea

Stock enhancement and sea ranching [[electronic resource]]:

developments, pitfalls and opportunities

Pubbl/distr/stampa Oxford, : Blackwell, 2004

ISBN 1-281-32229-6

9786611322298 0-470-75132-0 0-470-75131-2

Edizione [2nd ed.]

Descrizione fisica 1 online resource (576 p.)

Altri autori (Persone) LeberKenneth Miles

KitadaS

Disciplina 639.3

639.32

Soggetti Aquaculture

Animal populations

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Previous ed.: 1999.

Nota di bibliografia Includes bibliographical references and index.

Nota di contenuto STOCK ENHANCEMENT AND SEA RANCHING: DEVELOPMENTS, PITFALLS

AND OPPORTUNITIES; Contents; Preface; Section 1: Present Situation of Stock Enhancement; 1 Stock Enhancement and Sea Ranching as an Integrated Part of Coastal Zone Management in Norway; 2 Marine Stock Enhancement in the USA: Status, Trends and Needs; 3 Global Warming, Aquaculture, and Commercial Fisheries; 4 Stock Enhancement and Sea Ranching in Developing Countries; Section 2: Seed Quality and

Techniques for Effective Stocking; 5 Why Juvenile Quality and Release

Strategies are Important

6 Feats and Defeats in Flatfish Stocking: Determinants for Effective Stocking7 Behavioral Approaches to Fish Stock Enhancement: A

Practical Review; 8 Lessons for Marine Fish Enhancement: Experiences with Pacific Salmon; 9 Releasing Technique in Striped Jack Marine Ranching: Pre-release Acclimation and Presence of Decoys to Improve Recapture ates; Section 3: Health Management of Hatchery Stocks; 10 Fish Health Management in Seed Production; Section 4: Methods for

Evaluating Stocking Effectiveness; 11 An Independent Scientific

Evaluation of Washington State Salmonid Hatcheries

12 Experimental Ecological Tests with Stocked Marine Fish13
Examining Genetic Effect Hypotheses of Hatchery Fish on Wild
Populations: A Bayesian Approach; 14 Behavior of Ongrown Juvenile
Spiny Lobsters, Jasus edwardsii after Reseeding to a Coastal Reef in
Tasmania, Australia; 15 Juvenile Release and Market Size Recapture of
the Swimming Crab Portunus trituberculatus (Miers) Marked with Coded
Wire ags; 16 Evaluation of Stock Enhancement Programs for Masu
Salmon in Hokkaido, Northern Japan, by Two-stage Sampling Surveys
of Commercial Landings

Section 5: Population Management in Stock Enhancement and Sea Ranching17 Population Management in Stock Enhancement and Sea Ranching; Section 6: Management of Stocked Populations; 18 Management of Restocking and Stock Enhancement Programs: The Need for Different Approaches; 19 Regional Non-profit Corporations ... An Institutional Model for Stock Enhancement; 20 Management Options for Restocked Trochus Fisheries; Section 7: Ecological Interactions with Wild Stocks

21 Evaluation of the Biological Interaction between Wild and Hatchery Population for Sustainable Fisheries Management of Pacific Salmon22 Risk/Benefit Considerations for Marine Stock Enhancement: A Pacific Salmon Perspective; 23 Effects of Hatchery Releases and Environmental Variation on Wild-stock Productivity: Consequences for Sea Ranching of Pink Salmon in Prince William Sound, Alaska; Section 8: Genetic Management of Hatchery and Wild Stocks; 24 Broodstock Management for Stock Enhancement Programs of Marine Fish with Assistance of DNA Marker (a Review)

25 Genetic Studies in Marine Stock Enhancement in Norway

Sommario/riassunto

The collapse of many of the World's fisheries continues to be of major concern and the enhancement of fish stocks through techniques such as ranching is of huge importance and interest across the globe. This important book, which contains fully peer reviewed and carefully edited papers from the 2nd International Symposium in Stock Enhancement and Sea Ranching is broadly divided into sections covering the following areas: The present situation of stock enhancement Seed quality and techniques for effective stocking Health management of hatchery stocks <