1. Record Nr. UNINA9910972813103321

Titolo	Sampling rare or elusive species : concepts, designs, and techniques for estimating population parameters / / edited by William L. Thompson ; foreword by Kenneth P. Burnham
Pubbl/distr/stampa	Washington, : Island Press, c2004
ISBN	9781597261234 1597261238 9781610911061 1610911067 9781597269223 1597269220 9781429495226 1429495227
Edizione	[1st ed.]
Descrizione fisica	1 online resource (428 p.)
Altri autori (Persone)	ThompsonWilliam L <1962-> (William Lawrence)
Disciplina	591.68
Soggetti	Rare animals - Monitoring Rare plants - Monitoring
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 indexes.
Nota di contenuto	""Title Page""; ""Copyrights Page""; ""Table of Contents""; ""Foreword""; ""Acknowledgments""; ""Ch. 1: Introduction""; ""Part I: Overview and Basic Concepts""; ""Ch. 2: Sampling Rare Populations""; ""Ch. 3: Separating Components of Detection Probablilit in Abundance Estimation""; ""Ch. 4: Indexes as Surrogates to Abundance for Low-Abundance Species""; ""Part II: Sampling Designs for Rare Species and Populations""; ""Ch. 5: Application of Adaptive Sampling to Biological Populations""; ""Ch. 6: Two-Phase Adaptive Stratified Sampling"" ""Ch. 7: Sequential Sampling for Rare or Geographically Clustered Populations""""""Part III: Estimating Occupancy""; ""Ch. 8: Occupancy Estimation and Modeling for Rare and Elusive Populations""; ""Ch. 9: A Bayelisan Appraoch to Estimating Presence When a Species is Undetected""; ""Ch. 10: Searching for New Populations of Rare Plant Species in Remote Locations""; ""Part IV: Estimating Abundance, Density

and other Parameters""; ""Ch. 11: Using Noninvasive Genetic Sampling to Detect and Estimate Abundance of Rare Wildlife Species""
""Ch. 12: Photographic Sampling of Elusive Mammals in Tropical Forests""""""Ch. 13: Using Probability Sampling of Animal Tracks in Snow to estimate Population Size""; ""Ch. 14: Sampling Rockfish Populations: Adaptive Sampling and Hydroacoustics""; ""Ch. 15: Survival Estimation in Bats: Historical Overview, Critical Appraisal, and Suggestions for New Approaches""; ""Ch. 16: Evaluating Methods for Monitoring Population of Mexican Spotted Owls: A Case Study""; ""Part V: The Future""; ""Ch. 17: Future Directions in Estimating Abundnace of Rare or Elusive Species""; ""Contributors""; ""Reviewers""
""About the Editor""

Sommario/riassunto

Information regarding population status and abundance of rare species plays a key role in resource management decisions. Ideally, data should be collected using statistically sound sampling methods, but by their very nature, rare or elusive species pose a difficult sampling challenge. Sampling Rare or Elusive Species describes the latest sampling designs and survey methods for reliably estimating occupancy, abundance, and other population parameters of rare, elusive, or otherwise hard-to-detect plants and animals. It offers a mixture of theory and application, with actual examples from terrestrial, aquatic, and marine habitats around the world. Sampling Rare or Elusive Species is the first volume devoted entirely to this topic and provides natural resource professionals with a suite of innovative approaches to gathering population status and trend data. It represents an invaluable reference for natural resource professionals around the world, including fish and wildlife biologists, ecologists, biometricians, natural resource managers, and all others whose work or research involves rare or elusive species.