Record Nr. UNINA9910961770403321 Stable isotopes as indicators of ecological change / / edited by Todd E. **Titolo** Dawson, Rolf T. W. Siegwolf Pubbl/distr/stampa London;; Burlington, MA,: Academic Press, 2007 **ISBN** 9786611029326 9781281029324 1281029327 9780080551005 0080551009 Edizione [1st ed.] Descrizione fisica 1 online resource (436 p.) Collana Terrestrial ecology series Altri autori (Persone) DawsonTodd E. <1955-> SiegwolfRolf T. W Disciplina 577.01541388 Soggetti Stable isotopes in ecological research Stable isotope tracers Environmental monitoring Global environmental change - Measurement 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 Front Cover: Stable Isotopes as Indicators of Ecological Change: Copyright Page; Contents; Contributors; Acknowledgments; Preface; Section 1: Ecological Isotope Archives; Chapter 1: Using Stable Isotopes as Indicators, Tracers, and Recorders of Ecological Change: Some Context and Background; I. Context for Book; II. Isotopes as Tracers, Records, and Integrators of Change; III. Stable Isotope Notation; IV. The

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Sommario/riassunto

The 20th century has experienced environmental changes that appear to be unprecedented in their rate and magnitude during the Earth's history. For the first time, this special volume brings together a wide range of perspectives and data that speak directly to the issues of ecological change using stable isotope tracers. The information presented originates from a range of biological and geochemical sources and from research fields within biological, climatological and physical disciplines covering time-scales from days to centuries. Unlike any other reference, editors discuss where isotope