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Nota di contenuto	Front Cover; Thorp and Covich's Freshwater Invertebrates; Ecology and General Biology: Thorp and Covich's Freshwater Invertebrates - Volume I; Copyright; Dedications from the Editors; Contents; Contributors to Volume I; Acknowledgments for Volume I; About the Editors; Preface to the Fourth Edition; Preface to Volume I; Section 1 - Introduction; Chapter 1 - Introduction to Invertebrates of Inland Waters; INTRODUCTION; SPECIES AND PHYLOGENIES; USING SYSTEMATICS AND TAXONOMY TO CLASSIFY ORGANISMS; TAXONOMIC KEYS TO INVERTEBRATES OF INLAND WATERS; REFERENCES Chapter 2 - Overview of Inland Water HabitatsINTRODUCTION; GLOBAL VARIATIONS IN AQUATIC HABITATS; LOTIC ECOSYSTEMS: RIVERS, STREAMS, AND SPRINGBROOKS; SUBTERRANEAN HABITATS; LENTIC ECOSYSTEMS: LAKES, PONDS, WETLANDS, AND PHYTOTELMATA; REFERENCES; Chapter 3 - Collecting, Preserving, and Culturing Invertebrates; COLLECTING AND SAMPLING; RECORD-KEEPING; PRESERVING AND FIXING SPECIMENS; CULTURING INVERTEBRATES; Section II - General Ecology and Human Impacts; Chapter 4 - Functional Relationships of Freshwater Invertebrates; INTRODUCTION; DISTRIBUTION IN SPACE; ACQUIRING ENERGY REGULATING POPULATIONS AND COMMUNITIESACKNOWLEDGMENT; REFERENCES; Chapter 5 - Ecology of Invasive Alien Invertebrates; RATES AND GLOBAL EXTENT OF FRESHWATER INVERTEBRATE INVASIONS;

HUMAN VECTORS OF DISPERSAL; TRAITS CONFERRING INVASION SUCCESS; ECOLOGICAL IMPACTS; CAN THE IMPACTS OF ALIEN INVERTEBRATES BE PREDICTED?; MANAGEMENT OF INVASIVE AQUATIC INVERTEBRATES; REFERENCES; Chapter 6 - Economic Aspects of Freshwater Invertebrates; FRESHWATER INVERTEBRATES IN COMMERCE; BIOMONITORING; NUISANCE AQUATIC INSECTS; BENEFITS OR DAMAGES CAUSED BY INTRODUCED OR INVASIVE SPECIES; MEDICINAL LEECHES STRESSES TO LIVESTOCK AND WILDLIFE FROM BITING FLIESDISEASES VECTORED BY FRESHWATER INVERTEBRATES; ACKNOWLEDGMENTS; REFERENCES; Section III - Protozoa to Tardigrada; Chapter 7 - Free-Living Protozoa; INTRODUCTION; STRUCTURE AND FUNCTION OF THE PROTOZOAN CELL; BIOLOGICAL DIVERSITY OF FREE-LIVING PROTOZOA; GENERAL ECOLOGY OF PROTOZOA; COLLECTING AND CULTURING PROTOZOA; ACKNOWLEDGMENT; REFERENCES; Chapter 8 - Phylum Porifera; INTRODUCTION; GENERAL BIOLOGY; GENERAL ECOLOGY AND BEHAVIOR; COLLECTING, REARING, AND PREPARATION FOR IDENTIFICATION; REFERENCES; Chapter 9 - Phylum Cnidaria; INTRODUCTION GENERAL BIOLOGYGENERAL ECOLOGY AND BEHAVIOR; COLLECTING, CULTURING, AND SPECIMEN PREPARATION; REFERENCES; Chapter 10 - Phylum Platyhelminthes; INTRODUCTION; GENERAL BIOLOGY; GENERAL ECOLOGY AND BEHAVIOR; COLLECTING, CULTURING, AND SPECIMEN PREPARATION; ACKNOWLEDGMENT; REFERENCES; Chapter 11 - Phylum Nemertea; INTRODUCTION; GENERAL BIOLOGY; GENERAL ECOLOGY AND BEHAVIOR; COLLECTING, CULTURING, AND SPECIMEN PREPARATION; REFERENCES; Chapter 12 - Phylum Gastrotricha; INTRODUCTION; GENERAL BIOLOGY; GENERAL ECOLOGY AND BEHAVIOR; COLLECTING, CULTURING, AND SPECIMEN PRESERVATION; REFERENCES Chapter 13 - Phylum Rotifera

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#### Sommario/riassunto

Readers familiar with the first three editions of Ecology and Classification of North American Freshwater Invertebrates (edited by J. H. Thorp and A.P. Covich) will welcome the comprehensive revision and expansion of that trusted professional reference manual and educational textbook from a single North American tome into a developing multi-volume series covering inland water invertebrates of the world. The series entitled Thorp and Covich's Freshwater Invertebrates (edited by J.H. Thorp) begins with the current Volume I: Ecology and General Biology (edited by J.H. Thorp and D.C. Rogers), whic

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Collana	Wiley series in environmentally conscious engineering Environmentally conscious mechanical design
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