

1. Record Nr.	UNINA9910551825003321
Autore	New Tim R.
Titolo	Insect diversity, declines and conservation in Australia // Tim R. New
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783030901349 9783030901332
Descrizione fisica	1 online resource (240 pages)
Collana	Fascinating Life Sciences
Disciplina	333.95
Soggetti	Biodiversity Biodiversity conservation - Australia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- References -- Acknowledgements -- Contents -- Chapter 1: Introduction: The Reality of Insect Declines -- 1.1 Reasons for Concern -- 1.2 Assessing Insect Declines -- References -- Chapter 2: The Problems of Interpreting Changes -- 2.1 Introduction -- 2.2 Scientific Shortfalls -- 2.3 Societal Dilemmas -- 2.4 Recognition of Threatened Insect Species -- References -- Chapter 3: Assessing and Understanding Insect Diversity -- 3.1 Introduction -- 3.2 Taxonomic Approximation -- 3.3 Surrogate Taxa -- 3.4 Ecological Diversity -- References -- Chapter 4: Improving Understanding of Insect Diversity -- 4.1 Introduction -- 4.2 Understanding Species -- References -- Chapter 5: Drivers of Decline -- 5.1 Introduction: Categorising Threats -- 5.2 Understanding Habitat Change -- 5.3 Understanding Threats -- 5.4 A Geographical Pattern? -- References -- Chapter 6: Insect Conservation Need in the Southern Hemisphere -- 6.1 Insects of the Temperate Southern Hemisphere -- 6.2 Australia's Insects and Conservation Need -- 6.3 Understanding Australia's Insect Richness -- 6.4 Endemism -- References -- Chapter 7: Levels of Concern and Approach -- 7.1 Introduction -- 7.2 Listing for Priority -- 7.3 Extending Ecological Coverage -- 7.3.1 Bioregions -- 7.3.2 Ecological Communities -- 7.3.3 Protected Areas -- References -- Chapter 8: Defining and Countering Threats -- 8.1 Introduction -- 8.2 Pesticides

and Pollution -- 8.3 Alien Species -- 8.4 Fire -- 8.5 Climate Change -- 8.5.1 Habitat Offsets -- 8.6 Overexploitation -- References -- Chapter 9: Facilitating Conservation Progress -- 9.1 Introduction -- 9.2 Increasing the Profile of Insect Conservation -- 9.3 Citizen Science in Australian Insect Conservation -- 9.4 Flagship Species -- References -- Chapter 10: A Future for Australia's Insects -- 10.1 Introduction -- 10.2 Integrating Insect Conservation in Australia -- 10.2.1 Protective Legislation -- 10.2.2 Conservation in Practice -- 10.3 Species Conservation: Lessons from Experience -- 10.3.1 Some Examples -- Odonata -- Ancient Greenling Damselfly (*Hemiphlebia mirabilis*) (p. 100) -- Giant Petaltail Dragonfly (*Petalura gigantea*) -- Plecoptera -- Mount Donna Buang Wingless Stonefly (*Riekoperla darlingtoni*) -- Orthoptera -- Key's Matchstick Grasshopper (*Keyacris scurra*) -- Phasmatodea -- Lord Howe Island Stick Insect (*Dryococelus australis*) (p. 106) -- Lepidoptera -- Golden Sun-Moth (*Synemon plana*) (p. 91) -- Eltham Copper Butterfly (*Paralucia pyrodiscus lucida*) -- Bulloak Jewel Butterfly (*Hypochrysops piceatus*) (p. 132) -- Richmond Birdwing Butterfly (*Ornithoptera richmondia*) (p. 146) -- Hymenoptera -- Green or Golden Green Carpenter Bee (p. 156) -- 10.4 A Wider Agenda -- References -- Appendix -- Considerations for Insect Species Conservation -- Considerations for Wider Insect Conservation -- Considerations for Habitat Management and Threat Mitigation -- References -- Index.
