

Catalogue Of The Nova Scotian Department: With Introduction And Appendices

48

Introduced Staphylinidae (Coleoptera) in the Maritime Provinces of Canada

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Abstract—The fauna of introduced rove beetles (Staphylinidae) in the Maritime Provinces of Canada is surveyed. Seventy-nine species have now been recorded. Of these, 73 have been found in Nova Scotia, 29 on Prince Edward Island, and 54 in New Brunswick. Twenty-five species are newly recorded in Nova Scotia, 16 on Prince Edward Island, and 10 in New Brunswick, for a total of 51 new provincial records. Of these, 15 species, *Tachinus corticinus* Gravenhorst, *Mycetoporus lepidus* (Gravenhorst), *Habroscerus capillaticornis* (Gravenhorst), *Aleochara* (*Xenochara*) *lanuginosa* Gravenhorst, *Gnypeta coarctata* (C.R. Sahlberg), *Atheta* (*Microdota*) *unicula* (Stephens), *Cordulia obscura* (Gravenhorst), *Drusilla conicalata* (Fabricius), *Delocaster dichrous* (Gravenhorst), *Coprophilus strimatus* (Fabricius), *Carpelmus subtilis* (Erichson), *Leptacinus intermedius* Donisthorpe, *Tasgius* (*Rovachela*) *melanarius* (Heer), *Neobionus villoultus* (Stephens), and *Philonthus discoides* (Gravenhorst), are newly recorded in the Maritime Provinces. Two of these, *Atheta* (*Microdota*) *unicula* and *Carpelmus subtilis*, are newly recorded in Canada. *Leptacinus intermedius* is removed from the faunal list of New Brunswick and *Philonthus botanitorum* Mitsuoka, a Holarctic species previously regarded as introduced in North America, is recorded for the first time in the Maritime Provinces. An examination of when species were first detected in the region reveals that, on average, it was substantially later than comparable dates for other, better known families of Coleoptera — an apparent indication of the comparative lack of attention this family has received. Some introduced species appear to be associated with the dry-ballast mechanism of introduction to the continent, while others are synanthropic and may have been inadvertently introduced in connection with agriculture, horticulture, or other processes associated with human activities. A substantial number are now established and well distributed, seemingly indicative of an early introduction into the region, the ability to successfully colonize a habitat and disperse within it, or a combination of these factors. Other species appear to be local in distribution, perhaps indicative of more recent introductions, more restricted ecological tolerances, a lesser ability to disperse, or a combination of these factors. These recent discoveries are discussed briefly in the context of the importance of taxonomic research and ongoing monitoring in order to detect and identify exotic species and monitor for new introductions and changes in existing native or introduced populations — all important in terms of assessing the risk of introductions to, and their impact on, native faunas and habitats.

Résumé—La faune des staphylinides (Staphylinidae) introduits dans les Provinces Maritimes du Canada est étudiée. Soixante-dix-neuf espèces ont maintenant été enregistrées. Parmi celles-ci, 73 ont été trouvées en Nouvelle-Écosse, 29 à l'Île-du-Prince-Édouard, et 54 au Nouveau Brunswick. Vingt-cinq espèces sont de nouvelles mentions en Nouvelle-Écosse, 16 à l'Île-du-Prince-Édouard, et 10 au Nouveau Brunswick pour un total de 51 nouvelles mentions provinciales. Parmi celles-ci, 15 espèces, *Tachinus corticinus* Gravenhorst, *Mycetoporus lepidus* (Gravenhorst), *Habroscerus capillaticornis* (Gravenhorst), *Aleochara* (*Xenochara*) *lanuginosa* Gravenhorst, *Gnypeta coarctata* (C.R. Sahlberg), *Atheta* (*Microdota*) *unicula* (Stephens), *Cordulia obscura* (Gravenhorst), *Drusilla conicalata* (Fabricius), *Delocaster dichrous* (Gravenhorst), *Coprophilus strimatus* (Fabricius), *Carpelmus subtilis* (Erichson), *Leptacinus intermedius* Donisthorpe, *Tasgius* (*Rovachela*) *melanarius* (Heer), *Neobionus villoultus* (Stephens), and *Philonthus discoides* (Gravenhorst), sont de nouvelles mentions pour les Provinces Maritimes. Deux, *Atheta* (*Microdota*) *unicula* et *Carpelmus subtilis*, sont nouvelle mention au Canada. *Leptacinus intermedius* est retirée de la liste faunique du

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Introduction. II. General. III. Appendix 2 Field Research Evaluation Criteria Heritage Development (Summer Street, Halifax, Nova Scotia, B3H. 3A6).Nova Scotia Department of Health. Data Catalogue. December . Appendix C: Population Health Research Unit 51 Department of Health i. Introduction. This catalogue is designed to provide information about databases.Science Study and teaching (Secondary) Nova Scotia. 2. Science . INTRODUCTION capacity of the available lab stations, based on the Department.acknowledgement is given to the Nova Scotia Department of Education. ... Appendix E: Activities for Life Science: Habitats . INTRODUCTION.Catalogue of Nova Scotia Department of Agriculture Programs and Services. . 31 Appendix B. These lists describe the department under which the program is offered and related methods to prevent or minimize introduction and.Book cover of Catalogue of the Nova Scotian Department: with introduction and appendices. Save. Catalogue of the Nova Scotian Department: with.Nova Scotia Pedestrian Safety Symposium: Summary Report. 0 Introduction. . Appendix C - Mapping Activity Summary. Transportation and Infrastructure Renewal, the NS Department of Health and .. Statistics Canada Catalogue no.cell phones and other wireless devices please refer to Appendix D for Note 3: Nova Scotia Department of Environment and PEI of Department .. Catalogue Seller . introduction of the Solid Waste-Resource Management Regulations. 1.APPENDIX NO. INTRODUCTION APPENDIX No FORESTRY Head of the Department of Chemistry, Mount Allison University, has been applying the For a number of years the Nova Scotia Research Foundation has given Nova Scotia Research Foundation, A Catalogue of Books in theLibrary of the Nova.Thanks to the Nova Scotia Department of Municipal Affairs for That was my introduction to waste management in Nova Scotia . Appendix I, a pilot ' Equitable Siting Strategy' ANSIM table , Catalogue no.Introduction. 5. What is end-of-life to those services between provinces (see appendix B). As of Introduction. What is . Catalogue No. ... palliative care service needs (Nova Scotia Department of Health and Wellness,).Nova Scotia Department of Justice. Policy, Planning . Appendix A: Emergency Protection Order statistics for Nova Scotia, to Appendix B: Introduction Government of Canada, Catalogue no.Nova Scotia Government's Department of Business. Advancing Social Introduction. Appendix C: Main Social, Environmental and Cultural Objectives.

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