



# **Biodiversity of the Schoodic Peninsula:**

## **Results of the Insect and Arachnid Bioblitzes at the Schoodic District of Acadia National Park, Maine**

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Biodiversity of the Schoodic  
Peninsula:  
Results of the Insect and Arachnid  
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Acadia National Park, Maine

Donald S. Chandler<sup>1</sup>

David Manski<sup>2</sup>

Charlene Donahue<sup>3</sup>

and

Andrei Alyokhin<sup>4</sup>

<sup>1</sup>Department of Biological Sciences, University of New Hampshire,  
Durham, NH

<sup>2</sup>Acadia National Park, Bar Harbor, ME

<sup>3</sup>Department of Conservation, Maine Forest Service, Augusta, ME

<sup>4</sup>School of Biology and Ecology, University of Maine, Orono, ME

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# Contents

INTRODUCTION	I
The Schoodic Peninsula	3
Previous Scientific Studies Treating Biodiversity	5
METHODS	7
RESULTS FROM THE BIOBLITZES AT THE SCHOODIC DISTRICT, ACADIA NATIONAL PARK	12
The moths and butterflies (Lepidoptera)—The bioblitzes of 2004 and 2011. BRIAN SCHOLTENS	12
The beetles (Coleoptera)—The bioblitz of 2005. DONALD S. CHANDLER	14
The flies (Diptera)—The bioblitz of 2006. DONALD S. CHANDLER	16
The spiders (Araneae)—The bioblitz of 2007. RICHARD A. BRADLEY	17
The long- and short-horned bugs (Hemiptera)—The bioblitz of 2008.	19
The leafhoppers and allies, or short-horned bugs (Suborder Auchenorrhyncha). K.G. ANDREW HAMILTON	19
The “true” or long-horned bugs (Suborder Heteroptera). DONALD S. CHANDLER	23
The “minor” insect orders—The bioblitz of 2009. DONALD S. CHANDLER	24
The springtails (Collembola). ERNEST C. BERNARD	25
The bark lice (Psocoptera). EDWARD L. MOCKFORD	27
The wasps, bees, and ants (Hymenoptera)—The bioblitz of 2010.	28
The ants (Formicidae). FRANCIS A. DRUMMOND, AARON M. ELLISON, ELEANOR GRODEN, AND GARY D. OUELLETTE	29
The bees (Apoidea). SAM DROEGE	35
SUMMARY AND DISCUSSION	37
Products, both scientific and public	37
Organization of successful bioblitzes	38

ACKNOWLEDGMENTS	41
APPENDIX 1: BIOBLITZ COLLECTING SITES AND THEIR CHARACTERISTICS	45
APPENDIX 2: COLLECTION DATA FOR THE INSECTS AND ARACHNIDS TAKEN DURING THE BIOBLITZES	55
Class Arachnida, Order Araneae. DANIEL R. JENNINGS AND RICHARD A. BRADLEY	55
Class Insecta	69
Order Collembola. ERNEST C. BERNARD	69
The "Minor" Orders. DONALD S. CHANDLER	76
Diplura, Archaeognatha, Odonata, Plecoptera, Orthoptera, Dermaptera, Dictyoptera, Thysanoptera, Neuroptera, Trichoptera, Mecoptera	
Order Hemiptera. Suborder Auchenorrhyncha. K.G. ANDREW HAMILTON	82
Order Hemiptera. Suborder Heteroptera. DONALD S. CHANDLER	90
Order Hemiptera. Suborder Sternorrhyncha.	97
Order Psocoptera. EDWARD L. MOCKFORD	97
Order Coleoptera. DONALD S. CHANDLER	100
Order Diptera. JOE KEIPER	129
Order Lepidoptera. BRIAN SCHOLTENS	141
Order Hymenoptera. "Parasitica"	175
Order Hymenoptera. The ants—Formicidae. FRANK DRUMMOND AARON ELLISON, ELLIE GRODEN, AND GARY OUELLETTE	178
Order Hymenoptera. The bees—Apoidea. SAM DROEGE	187
Order Hymenoptera. The stinging wasps (Crabronidae, Pompilidae, Sphecidae, Vespidae). MATTHIAS BUCK	193
INDEX OF FAMILY, GENUS, & SPECIES NAMES	195

# Figures

1. Schoodic District of Acadia National Park on the Schoodic Peninsula	2
2. Relative incidence of ant species collected on Schoodic Peninsula, 31 July 2010	30
3. Relationship between relative habitat size and ant incidence or ant-species richness	33

# Tables

1. Habitats and land-use cover of the Schoodic Peninsula section of ANP	4
2. Weather conditions during arthropod bioblitzes	7
3. Arthropod BioBlitzes on the Schoodic Peninsula	8
4. List of Lepidoptera species newly recorded for Maine since publication of the Brower lists	13
5. Ants collected during the past decade in Downeast Maine, and a comparison to the 2010 ant blitz in ANP on the Schoodic Peninsula.	31



## INTRODUCTION

The Schoodic District of Acadia National Park (ANP) (Figure 1) is justly famous for its outstanding landscapes and vistas. It is one of the few places along the Maine coastline where the public has extended access to the rocky shoreline dominated by coniferous trees. The area's beautiful scenery, trails, and historic motor road draw up to 250,000 visitors annually. While the National Park Service (NPS) provides the public with great recreational opportunities, it is also charged with maintaining unimpaired the area's natural and cultural resources. Historically, the NPS did not acknowledge or value the importance of science as a critical management tool to meet its management responsibilities (Sellars 1999). National Park Service attitudes commonly discouraged scientists from doing research and collecting in national parks if there were other locations outside of parks where their studies could be conducted. In the last 20 years, however, NPS policy has changed whereby "Parks for Science" is now a prevailing management objective: "parks can and should be centers for broad scientific research and inquiry" (NPS 1999: 11).

To succeed at its conservation mission, the NPS now requires accurate information about the species and habitats it is charged with protecting. Yet as the NPS nears its second century, it has been estimated that upwards of 90% of the species in parks are yet to be catalogued (NPS n.d.). Most national parks (like ANP) have fairly complete species lists for vertebrates and vascular plants, but only limited data document the presence of other groups. This gap in knowledge makes it difficult for parks to protect living resources from threats such as invasive species, disease, air pollution, climate change, and habitat fragmentation.

Bioblitzes have become a popular approach to involve scientists and the public in studying biodiversity. They reinforce the idea that natural areas are resources of scientific and educational value and are a way of engaging the public in experiencing the natural world. A bioblitz is typically conducted over a 24-hour period in a targeted area, with the goal of documenting the presence of as many species as possible. Scientists and "weekend naturalists," along with other individuals who enjoy being in the field, are asked to attend bioblitzes as volunteers to help in finding and identifying as many species as possible. Flexible expectations for commitments, such as attendance for a full day to parts of a day, allow for increased participation. A highlight at the end of the bioblitz is a report of the unofficial numerical tally of species found and interesting discoveries. This gives the attendees a sense of accomplishment in knowing approximately how many species were taken, and if there were any new occurrence records or unusual finds that they had helped to produce.

The NPS recognized that bioblitzes were a useful tool to document biodiversity, involve various stakeholders in using the park, and exhibit the educational value of protected areas. The NPS was interested in increasing public understanding about



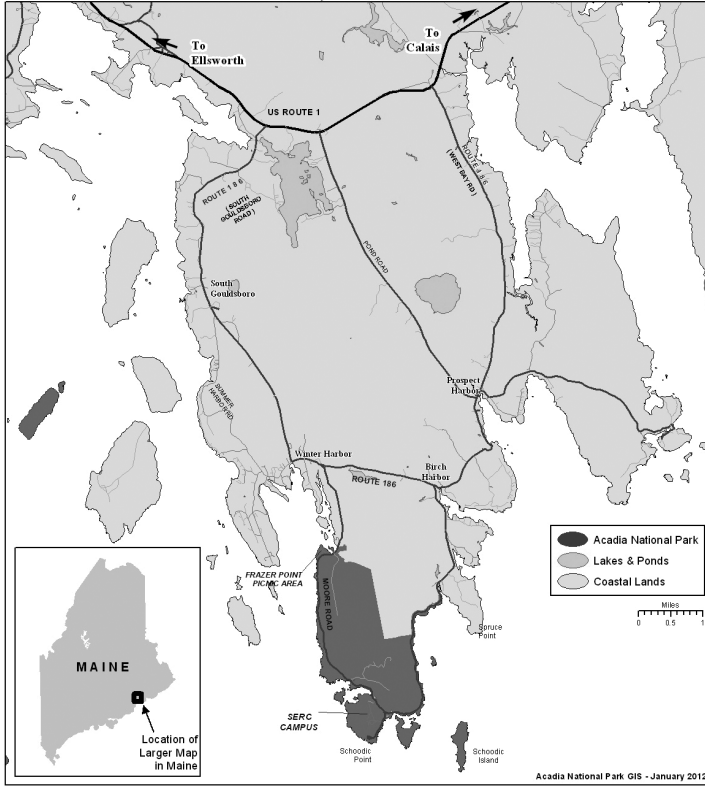


Figure 1. Schoodic District of Acadia National Park on the Schoodic Peninsula.

biodiversity in ANP, while appreciating that the most diverse groups (insects and arachnids) were poorly known in comparison to vertebrates and plants. Park staff believed that a program of exploration and discovery about insects and spiders could help reinforce that national parks provide a significant resource for learning, where individuals and organizations can collaborate on teaching and learning about nature and the interconnections between human culture and natural systems.

Because the NPS had limited staff capacity and entomological expertise at the park, they turned to the Maine Entomological Society (MES) for assistance in organizing and conducting a program focused on arthropod biodiversity. Because of funding and operational challenges, collectively it was decided at the outset to collaborate with other organizations (e.g., Maine Forest Service, University of Maine, and University of New Hampshire) and to limit the scope of biodiversity exploration at the park for each bioblitz. The primary goal was not to try and document every arthropod in ANP, but to institutionalize and sustain a program of discovery that could over time increase

the park's and general public's knowledge about this relatively little recognized and understood group.

Therefore, the arthropod surveys were restricted to the Schoodic District of the park where logistics and oversight of field work could be more easily managed during the busy park tourist season and because there were facilities nearby to process specimens and to house and feed the participants. It was decided also to limit surveys and collecting to a 24-hour period per year because with the reliance on volunteers to collect and identify specimens, the capability to sustain a longer field and laboratory work period was not possible. It was recognized that 24 hours is not a long enough sampling period to completely survey the park or to detect long-term trends in arthropod biodiversity. Also, the taxonomic focus was limited to one arthropod order for all but one year to minimize the number of specimens collected and the effort required to identify them. Given the lack of resources for each of the organizations involved, this scaled-down effort was deemed the best way to ensure the long-term success of this biodiversity discovery program at ANP.

The Schoodic District of ANP provided an ideal venue for conducting a bioblitz. The area is small, and sites are readily accessible off the motor road or gravel roads to the interior. Traffic is light in comparison to the Mt. Desert Island section of the park, and congestion is not a problem in moving from site to site. The Schoodic Education and Research Center (SERC) provided excellent facilities for lodging and feeding the participants and was near where the specimens would be collected and processed. The bioblitzes have been conducted from late June to early August (depending on taxonomist and/or SERC availability and to some extent the best time to collect the particular taxon), a period when chance of rain was at its lowest, always a concern for blitzes that focus on insects. The NPS goals of preservation, education, and research could then be readily achieved through the venue of a bioblitz.

## The Schoodic Peninsula

The NPS manages approximately 816 ha on the Schoodic Peninsula, the only mainland portion of ANP (Figure 1). The topography and geology of the Schoodic Peninsula has been shaped by volcanism and glaciations (Gilman et al. 1988). The bedrock of the area is a fine-grained pinkish granite, where fractures have occurred within the granite along the shoreline.

Within some of these fractures are black basalt dikes, which are the product of intrusive, solidified magma (Koteas 2010). Wave action along the shore has eroded the softer basalt in many areas, resulting in numerous narrow chasms and sea cliffs. Wave action has also produced numerous large cobbles at many pocket beaches on the peninsula's eastern shoreline.

The Schoodic Peninsula has a cool, moist, maritime climate. Temperatures range from a high of 35 C in summer to a low of -20 C in winter. The mean annual precipitation is 120 cm with an average snowfall of 1.5 m (NPS 2004). The park is located at the broad transition zone between the southern deciduous and northern coniferous forests, with the vegetation communities dominated by a maritime spruce and fir forest (66.2% of area, Table 1). Other than alder thickets and dwarf shrublands, there is relatively limited deciduous woody vegetation in this section of ANP. The largest area of deciduous trees is at the northwest corner by Frazer Creek, and to some extent along the powerline running north and south through the park where there is a mix of shrubs and wetlands. Freshwater habitats in this section of the park include numerous small bogs, alder wetlands, two small ponds, and a few intermittent streams. The largest stream is Frazer Creek, which drains to the northwest into Frenchman Bay at Frazer Point.

Table 1. Habitats and land-use cover of the Schoodic Peninsula section of ANP (from NPS 1997 GIS coverages).

Land Cover/Habitat	Area (ha)	Percentage of Total
Alder Shrubland	2.23	0.3
Aspen Birch Woodland/Forest Complex	2.01	0.2
Blueberry Bald–Summit Shrubland Complex	0.46	0.1
Conifer Swamp Woodland	18.80	2.3
Crowberry–Bayberry Headland	13.91	1.7
Developed (pavement, buildings, etc.)	23.82	2.9
Fen Complex	8.48	1.0
Graminoid Shallow Marsh	0.71	0.1
Jack Pine Woodland	41.78	5.1
Mixed Conifer Woodland	56.97	7.0
Mixed Deciduous Shrubland	23.71	2.9
Mixed Grass–Forb	19.15	2.3
Ocean–Bay–Estuary (non-vegetated)	0.56	0.1
Open Headland–Beach Strand	32.12	3.9
Open Water–Deep Marsh Complex	0.49	0.1
Spruce–Fir Forest	532.44	66.2
Sweetgale Mixed Shrub Fen	0.53	0.1
Tidal Algal Zone, Marsh and Mud Flat	38.16	4.7
TOTAL	816.35	100.0

Although a comprehensive archeological survey of the area has not been completed, evidence of shell middens indicates that American Indians occupied the Schoodic Peninsula at least seasonally. The first recorded non-American Indian settler for the Schoodic Peninsula was Thomas Frazer, an African American who established a salt works near the mouth of Frazer Creek by 1790 (Crane and Morrison 2000). The same area was later inhabited by a small fishing community of about 50 people (NPS 2004). By the early 1890s, much of the land that is now part of the park on the Schoodic Peninsula was purchased by Maine native and Wall Street financier, John G. Moore. His daughters donated the property to the Hancock County Trustees of Public Reservations, which in turn donated it to the NPS to be included as part of ANP in 1929 (NPS 2004). Between 1933 and 2001 the U.S. Navy had a listening post and administrative facility at the southern tip of the Schoodic Peninsula that was surrounded by ANP. At its peak of operation in the mid-1980s, nearly 500 military and civilian employees worked at the facility, which was called the Naval Security Group Activity, Winter Harbor. When the Navy closed the base in 2001, the lands were conveyed to the NPS. The former facility now serves as the park's Schoodic Education and Research Center.

Visitor amenities in the Schoodic District of the park include an 11-km scenic motor road paralleling the shoreline, two picnic areas, 8 km of hiking trails, and a gravel road leading to Schooner Head; at 130 m, the highest point on the Schoodic Peninsula. At the southernmost end of the park using some of the buildings of the former naval base and some new or renovated buildings, the Schoodic Education and Research Center provides housing, classrooms, laboratories, and meeting space for researchers, educators, and students.

## **Previous Scientific Studies Treating Biodiversity**

The Mt. Desert Island section of the park has been studied extensively for more than a century (Greene et al. 1992), but studies on the Schoodic District have focused primarily on vertebrates and plants. The primary terrestrial ecological studies here were conducted as part of broader natural resource inventory of NPS and Navy lands on the Schoodic and Corea Peninsulas, which was funded by a grant from the Department of Defense Legacy 2000 program (Mittelhauser et al. 1995; Glanz and Connery 1999). Those studies targeted the amphibians and reptiles (Mittelhauser et al. 1995; Connery and Mittelhauser 1999), mammals (Mittelhauser et al. 1995; Glanz 1999), bats (Zimmerman 1999), migratory birds (Famous 1999), vascular plants (Mittelhauser et al. 1995, Spencer-Famous and Perera 1999), and bryophytes (Spencer-Famous and Perera 1999). Research and monitoring of intertidal algae and invertebrates on the Schoodic Peninsula have been conducted by Coleman and Brawley (2005), Muhlin (2007), Muhlin et al. (2008), and Olsen (2009). In 1978 the state of Maine Critical Areas program designated the western intertidal shoreline community of the Schoodic Peninsula in the park as a

significant habitat because of the exceptional diversity of intertidal organisms (Maine Register of Critical Areas #198, Schoodic Point Marine Invertebrate Area).

Unlike most national parks, there has been a long history of arthropod study at ANP. Charles W. Johnson, curator of insects and mollusks at the Boston Museum of Natural History, initiated the period of serious studies on Mt. Desert Island through support by Boston Society of Natural History (Gray 1933). The society chose Mt. Desert Island as a natural location for the study of the New England fauna, and for a week to 10 days each summer season Johnson would collect intensively at various locations around the island from 1918 to 1926 (excluding 1925). The entomological species records of these activities were published as Part 1 of the Biological Survey of the Mount Desert Region (Johnson 1927), a program that was supported by William Procter. This material is currently archived at Boston University. From 1927 and 1945, William Procter continued the inventories by inviting specialists to stay at facilities on the island, and collect on lands that either surround or are now part of the park. Procter (1946) eventually documented the presence of 6,578 species of insects and arachnids that had accumulated from these 27 years of surveys on Mt. Desert Island. His collection of specimens is held at the ANP museum and archives near Bar Harbor.

Subsequent work on the arthropod fauna of the park has been limited. White (1989) thoroughly studied the dragonflies and damselflies (Odonata) of most of the park (Mt. Desert Island and Isle au Haut), and found 97 species. The mayflies (Ephemeroptera) of Mt. Desert Island were treated by Mack and Gibbs (1991), recording 47 species. Studies on the arthropods of the Schoodic Peninsula have been nearly nonexistent. The only studies of terrestrial arthropods in the Schoodic District of ANP dealt with an invasive spider, *Linyphia triangularis* (Jennings et al. 2002; Jakob et al. 2011), and the recent treatment of the dragonflies and damselflies of Maine (Brunelle and deMaynardier 2005) documented the presence of only a few species here. The results described in this report thus serve to document the arthropod diversity of a little-studied and isolated section of the park.

## METHODS

The formal goal of the bioblitz was to once annually collect, sort, and identify as many species of arthropods of a chosen group as possible, within a 24-hour period. Collecting was geographically limited to the Schoodic District of the park, starting in 2004 and continuing to the present. A wide variety of collecting methods was used during the various bioblitzes, including active (the collectors move around) techniques such as use of sweep nets, dip-nets, beating sheets, aspirators, gathering and processing of organic debris using Tullgren/Berlese funnels, and the classic approach of “hunting and picking.” These were used in combination with a variety of passive collecting techniques (the collectors rely on insect movement toward and into traps or to attractants), such as differently colored water-filled bowls, pitfalls (baited and unbaited), flight intercept and malaise traps, ultraviolet and mercury-vapor lights, and fermented brews painted on trees. Sites that covered the full diversity of habitats within the park were located and were always targeted to assure as complete coverage of the fauna as possible, while the participants could also sample in other areas that they chose. Weather conditions during collecting were generally typical for summer in Downeast coastal Maine, although fortuitously rain, fog, or strong winds did not occur during the bioblitzes (Table 2).

For all but one event, each individual bioblitz focused on one taxonomic insect order or the spiders (Table 3). The 2009 bioblitz targeted the smaller orders of insects that were known to have relatively few species in Maine or on the peninsula (hereafter referred to as the “minor orders”). All incoming specimens from a single collection event were assigned a unique “lot” number that was linked to the date, time, location, and method of capture. Collection locations were assigned GPS coordinates in the field, or

Table 2. Weather conditions during arthropod bioblitzes (2004–2007 data from ANP headquarters on Mt. Desert Island; 2008–2011 data from SERC campus, Schoodic Peninsula).

Year	Temperature (C) Min-Max	Average Wind Speed (km/hour)	Average Relative Humidity
2004	8.3–21.1	14.32	53
2005	18.3–27.2	14.48	65
2006	17.7–27.7	8.85	74
2007	14.4–26.6	5.63	72
2008	12.7–17.6	5.31	86
2009	14.4–23.1	8.85	65
2010	13.2–17.8	7.08	66
2011	17.6–26.1	6.92	58

Table 3. Arthropod BioBlitzes on the Schoodic Peninsula

Taxonomic Focus	Date of BioBlitz	Lead Taxonomist(s)	Affiliation	# of Participants
Lepidoptera	June 12–13, 2004	Scholtens (1) Webster (2)	(1) College of Charleston, (2) University of New Brunswick	35
Coleoptera	July 16–17, 2005	Chandler	University of New Hampshire	55
Diptera	July 15–16, 2006	Keiper	Cleveland Museum of Natural History	40
Arachnida	July 21–22, 2007	Bradley (1), Jennings (2)	(1) Ohio State University-Marion, (2) retired US Forest Service	58
Hemiptera	August 9–10, 2008	Hamilton (1), Chandler (2)	(1) Agriculture Canada, (2) University of New Hampshire	46
Minor Orders	August 8–9, 2009	Chandler (1), Mockford (2), Bernard (3)	(1) University of New Hampshire, (2) Illinois State University, (3) University of Tennessee	46
Hymenoptera	July 31–August 1, 2010	Droege (1), Drummond and Groden (2)	(1) US Geological Survey, (2) University of Maine	70
Lepidoptera	July 23–24, 2011	Scholtens	College of Charleston	110

when the specimens were brought in for assignment of their lot number for processing. Additional information recorded in the database included the name of the collector and any pertinent descriptions of the collecting technique, and the habitat and/or host plants where the specimens were taken. These data were recorded in a Microsoft Access database when the lot numbers were assigned in the lab. Lot numbers were unique and not reused in subsequent years and were hand-written on preprinted insect labels as the samples were processed, so that mounting and labeling could quickly proceed and the collection information tracked as identifications were made. All specimens were sorted, and at least one representative of each morphospecies was pinned or placed in alcohol vials as appropriate with locality labels. Many of the bioblitz participants assisted in sorting and pinning specimens at the laboratory. Experienced entomologists identified the specimens to species or morphospecies, but the lead taxonomist was responsible for proofing and accepting any identifications done by others.

A practical goal was to sort and identify as many specimens as possible on site during the blitz and on the following day, when the greatest number of participants could contribute at their relative levels of expertise. Not all specimens could be identified during the bioblitz event. In those cases, the lead taxonomist took the unidentified

specimens back to his/her host institution for follow-up work or distribution to other specialists for final identification. For some families or genera, there were no specialists available to determine the specimens to the species level, or in some cases even to the level of genus. Those records were placed in the database at those levels. Labeled representative vouchers of all collected species were provided to the NPS where they are held at the ANP Charles Sawtelle Museum collection.

The official collecting period for the bioblitz was limited to 24 hours, from noon Saturday to noon Sunday, though passive traps were often set up before the official start time so that they could function for at least 24 hours. Bioblitz activities began Friday evening with lab setup and orientation presentations. Saturday morning was devoted to sessions treating the group being studied and in walking participants through the blitz procedure, the collecting techniques, and the lab protocols. Following the 24 hours devoted to collecting, the processing, identifying, and cataloging activities continued through Monday morning, so that as many of the specimens as possible would be processed and/or identified.

Products from the bioblitz events were species lists and voucher specimens. The species lists were based on vouchered specimens, but did not necessarily provide complete information about all the specimens taken. Particularly for later blitzes, once it became evident that a certain species was common, few subsequent vouchered specimens and records were kept of this species. However, for the Hymenoptera bioblitz, data on the location and abundances of all of the bee and ant species were recorded as part of the ecological studies of the lead scientists.

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## RESULTS FROM THE BIOBLITZES AT THE SCHOODIC DISTRICT, ACADIA NATIONAL PARK

After eight years of bioblitzes 1,605 species representing 348 families were taken. Authors of species names discussed in the following reports are given with the species names in Appendix 2. If species discussed are not listed in Appendix 2, the authors of these names are given in the following reports.

### **The moths and butterflies (Lepidoptera)—The bioblitzes of 2004 and 2011**

by Brian Scholtens, College of Charleston, Charleston, SC.

Unlike the main area of Acadia National Park (ANP) on Mt. Desert Island, the section on the Schoodic Peninsula had not been previously surveyed for Lepidoptera. Procter (1946) recorded 1479 species in 53 families on Mt. Desert Island from 1918 to 1926. In addition, Brower (1974, 1983, 1984) summarized the known Lepidoptera fauna for the state of Maine, recording 2987 species in 66 families (families in these surveys are not all equivalent to those currently recognized). Our new surveys during the last decade, specifically targeting the Schoodic Peninsula, yielded 480 species in 34 families (see Appendix 2).

The bioblitzes of 2004 and 2011 targeted the Lepidoptera, with the first blitz held in mid-June and second done near the end of July. In addition, Lepidoptera were sampled incidentally during the blitzes of the intervening years. The two main efforts resulted in almost completely different species lists, indicating the need for sampling over the course of the entire season to get a complete picture of the species diversity at this site. Moth sampling was done almost exclusively using light traps, but included daytime netting and sight observations for butterflies and a few moths (for information on collecting methods, see Winter [2000]). A large group of volunteers provided invaluable help during each of these efforts.

The June bioblitz netted 157 species in 23 families; the July bioblitz netted 337 species in 32 families. Only 34 species were common to the two efforts. Geometridae species dominated the June survey, as is typical of early season samples. The July sample was much more diverse, with many more microlepidoptera and Noctuoidea. Twenty-seven June records were new for ANP since the Procter list (1946), and 55 July records were new for the park since that list. Twenty of these were also state records, based on comparison to the Brower lists (1974, 1983, 1984) (Table 4). An important caveat is that many new records have accumulated since this list, but have not been published

Table 4. List of Lepidoptera species newly recorded for Maine since publication of the Brower lists (1974, 1983, 1984).

<b>Coleophoridae</b>
<i>Coleophora deauratella</i>
<b>Crambidae</b>
<i>Donacula longirostrella, Eustixia pupula, Sitochroa palealis</i>
<b>Gelechiidae</b>
<i>Chionodes sattleri, Coleotechnites canusella, Coleotechnites coniferella, Dichomeris ochripalpella</i>
<b>Geometridae</b>
<i>Macaria marmorata, Macaria pinistrobata, Perizoma alchemillata</i>
<b>Glyphipterigidae</b>
<i>Glyphipterix sistes</i>
<b>Noctuidae</b>
<i>Lateroligia ophiogramma, Noctua pronuba</i>
<b>Pyralidae</b>
<i>Salebriaria engeli, Salebriaria roseopunctella</i>
<b>Tortricidae</b>
<i>Choristoneura pinus, Dichrorampha sedatana, Olethreutes viburnanum, Pseudexentera kalmiana</i>

and, therefore, could not be checked. Some of these species were to be expected in the state and park and some were described subsequent to these lists, but several represent significant range extensions or new introductions to North America.

Species described subsequent to the Procter (1946) and Brower lists (1974, 1983, 1984), and now recorded from the Park, include *Macaria marmorata*, *Macaria pinistrobata*, *Chionodes sattleri*, *Salebriaria roseopunctella*, and *Glyphipterix sistes*. New introductions from Europe include *Noctua pronuba*, *Lateroligia ophiogramma*, *Perizoma alchemillata*, and *Sitochroa palealis*. Recorded during the July 2011 blitz, *Eustixia pupula* is a well-known summer migrant to the southern U.S., but it rarely reaches this far north. The extremely long hot spell of 2011 might have played a role in its occurrence in the Park in 2011. Lastly, *Sympistis perscripta* was previously recorded reliably in the state only from Kittery Point in extreme southern Maine. Its occurrence in the Park represents a significant northern range extension. The distinctiveness of this species makes it unlikely that the Procter survey would have overlooked it.

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## The beetles (Coleoptera)—The bioblitz of 2005

by Donald S. Chandler, University of New Hampshire, Durham, NH.

The Schoodic bioblitz of 2005 focused on the beetles (Coleoptera). This group is commonly thought to be the most diverse group of insects, and their wide range of feeding behaviors and periods of activity mandate use of all active and passive collecting techniques to ensure adequate coverage of this group (Arnett and Thomas 2001). Active collecting ranged from sweeping or targeted netting, use of dip nets, beating, treading in bogs or wet areas, collection of plant materials for extractions using Berlese/Tullgren funnels, to looking on and under plants and rocks. Passive techniques included pan traps, barrier pitfall traps, flight-intercept traps, and light traps. Procter (1946) documented the presence of 1175 species of beetles on Mt. Desert Island, placing the beetles third in size when compared to the largest group, the flies (Diptera, 1626 species), and moths/butterflies (Lepidoptera, 1479 species). The Schoodic Peninsula was not sampled as part of Procter's surveys of Mt. Desert Island, so this blitz led to the first compilation of species records from this area of the national park.

The beetles are one of the few groups of insects that have had a major compilation of species records for the state of Maine. Beginning shortly before Procter's (1946) book treating the fauna of Mt. Desert Island, the Maine Forest Service began sampling in forests throughout the state, culminating in a publication by Dearborn and Donahue (1993) documenting the records of beetles produced by the surveys. A thorough and updated checklist of the beetle fauna of Maine (Majka et al. 2011) built on this paper by checking published papers, checklists, collectors, collections, and collection-based websites for records of Maine beetles, and documented new records for Maine by including the collection data associated with the specimens. That compilation presented

2,871 species of Maine beetles, of which 284 are regarded as introduced species (Majka et al. 2011: 10), and 417 were new state records. One of these new records was based on material from the Schoodic bioblitz (Majka et al. 2011: 148, *Photuris fairchildi*), and a number of new records for Mt. Desert Island were included.

The Schoodic beetle bioblitz produced 349 species in 46 families. Due to the minimal or nonexistent collections of insects from this area, all can be regarded as new records for Schoodic District. In comparison to the list from Mt. Desert Island (Procter 1946), 154 of these species (44%) are new additions for the park. It is difficult to use Procter's list for comparisons, since it is old and a number of name changes and synonymies have accumulated. However, for the families carefully examined where the synonymies are known, this pattern seems to be accurate. For example, of the 24 species of Cantharidae taken during the Schoodic bioblitz, 12 of these were not recorded by Procter among the 20 species in his list; for the Mordellidae, four of the six species taken during the bioblitz were not among the 10 species recorded by Procter; and for the Dytiscidae, 11 of the 18 species collected during the bioblitz were not listed among the 42 species found in Procter.

There were 15 new Maine state records when Majka et al. (2011) was consulted:

- **Cantharidae:** *Rhagonycha nanula*
- **Curculionidae:** *Anthonomus musculus*, *Ceutorhynchus pusio*,  
*Ceutorhynchus pallidactylus*, *Dryocoetes granicollis*, *Polydrusus sericeus*,  
*Sitona lepidus*
- **Elateridae:** *Melanotus dichrous*
- **Heteroceridae:** *Heterocerus mollinus*
- **Leiodidae:** *Gelae parile*
- **Mordellidae:** *Mordellistena bifasciatus*, *Mordellistena scapularis*,  
*Mordellistena syntaenia*
- **Phalacridae:** *Olibrus lecontei*
- **Staphylinidae:** *Proteinus limbatus*, *Stenus austini*

*Melanotus dichrous* is a European species, previously only recorded for the Northeast from an interception at the port of Baltimore, Maryland (Hoebeker and Wheeler 1983), and was identified by Serge Laplante, Agriculture and Agri-foods Canada. The specimen was taken sweeping on the west side of the Schoodic Peninsula, facing the port of Bar Harbor across the bay. The other beetle species taken were typical of Maine and to be expected, without any known unusual or unexpected species found. One interesting species taken was *Chrysolina quadrigemina*, a leaf beetle that was introduced to western North America to feed on the introduced weed St. John's wort, and which lacked published records from Maine at that time. Majka et al. (2011) recognized this species as a new Maine record based on this specimen, but a collection from 2000 in Lewiston (Androscoggin County) is now known to be the earliest record.

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## The flies (Diptera)—The bioblitz of 2006

by Donald S. Chandler, University of New Hampshire, NH (the lead scientist for this bioblitz was Joe Keiper, now director of the Virginia Museum of Natural History, Martinsville, VA)

The flies (Diptera) have historically been one of the most thoroughly investigated groups for the Mt. Desert Island area, due to the interest and activities of Charles W. Johnson (1863–1932). Johnson was a naturalist who became best known as a specialist in the Diptera of New England, while working as the curator of insects and mollusks at the Boston Museum of Natural History (Gray 1933). The Boston Society of Natural History chose Mt. Desert Island as a natural location for the study of the New England fauna, and for a week to 10 days each summer season, Johnson would collect intensively at various locations around the island from 1918 to 1926 (excluding 1925), with the entomological products of these activities published as Part 1 of the Biological Survey of the Mount Desert Region (Johnson 1927). In the final part of this series (Procter 1946), the Diptera are listed with 63 families and 1626 species, the highest number of species taken for any of the insect orders. Johnson (1925) also produced the last major paper treating the fly fauna of New England.

The 2005 bioblitz targeted the Diptera and produced 50 families holding 157 species. This is far short of the 1626 species taken on Mt. Desert Island, yet 53 species (34%) taken during the bioblitz were not recorded by Procter (1946), nor were many of these found in Johnson's (1925) treatment of the New England fly fauna. Of the total, 55 species (35%) were shared with the list in Procter (1946), while the remaining

third were species placed only to genus or to family and could not be compared with the earlier lists.

The primary collecting techniques were sweeping or netting, though some species tend to stay very close to the surface of the water, rocks, or tree trunks, so that any sweeping/netting must be done carefully. The group with the largest number of new records was the Ephydriidae, which had 24 species taken and with 13 of these being new park records (41 species were recorded in Procter). One ephydrid species was particularly exciting to the attending specialist on this group (Wayne Mathis, National Museum of Natural History), *Gymnoclasiopa canifrons*, a quite rare eastern species known only from scattered localities. Collection of a boreal/subarctic species of Syrphidae, *Helophilus lapponicus*, was a new record for New England. Two species with interesting larval biologies were the pitcher plant scavenger, *Liosarcophaga sarcenioides*, and *Microdon globosus*, a syrphid species whose strangely formed larvae are predators in nests of the ant *Tapinoma sessile*.

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## The spiders (Araneae)—The bioblitz of 2007

By Richard A. Bradley, Ohio State University, Marion, OH.

The Spider bioblitz was held on 21–22 July, 2007, with the participants collecting spiders from 84 sites on the Schoodic Peninsula. The only previous study on spiders for this area was by Jennings et al. (2002), who worked with an introduced European member of the Linyphiidae. The species identifications were performed by Daniel Jennings and to a lesser extent by Richard Bradley.

The blitz produced 1,040 adult specimens representing 19 families, 102 genera, and 151 species. This is surprisingly close to the number recorded by Procter (1946) of 15 families with 154 species. However, 89 of the 151 species (59%) taken during the bioblitz were not reported by Procter for Mt. Desert Island, with 42 of these new park records being members of the Linyphiidae, and 28 species of this total members of the then poorly known subfamily Erigoninae. In checking a recently published long-term



study of the spiders of Milbridge, Maine, (Jennings and Graham 2007), a town 15 km to the east, 27 of the Schoodic species were not reported from there, indicating that the coverage of the bioblitz was quite successful for a one-day event.

According to Dan Jennings, one species, *Porrhomma pallidum* Jackson, 1913, is a Palearctic species that until recently had not been collected in North America, though he had recently collected this species (both males and females) elsewhere in Maine. Another species, a *Sciastes* species near *S. extremus* Holm, may be an introduction or an extreme range extension of this boreal species. Confirmation of this identification, along with determination of four unplaced specimens (all erigonine Linyphiidae), remain for completion of the material. Six species that were collected during the blitz are new state records for Maine. One of these, the wolf spider *Pardosa palustris* (Linnaeus), may represent the first record for the conterminous United States.

As expected, the various collecting methods captured different assemblages of spider species. The most productive method (in terms of number of spiders collected) was sweeping (314 specimens representing 53 species). Many pitfall traps had been placed at sites earlier in the week to collect for a longer period, and they yielded 264 specimens of 65 species. Hand collecting provided 274 specimens of 74 species. Beating yielded 103 specimens and 37 species. Litter extraction produced 64 specimens and 38 species. Thus, if we assume that number of spiders is a reasonable measure of effort, litter sampling yielded the maximum number of species per unit collecting effort. This is likely a result of the fact that tiny erigonine linyphiids, the most speciose group of spiders in our area, are chiefly collected by litter extraction.

The composition of the spider collections held some surprises. There were fewer species of ground spiders (Gnaphosidae), ground sac spiders (Corinnidae), and jumping spiders (Salticidae) than were anticipated based on collecting experiences in Ohio. The dominant families (in terms of number of specimens and species) were not as surprising. The most specimens and species were sheet weavers (Linyphiidae), with 54 species represented among 292 individuals. The second most abundant spiders were the cobweb weavers (Theridiidae), with 269 individuals of 20 species represented. An astounding 48% (128) of these were specimens of one introduced species, *Enoplognatha ovata*, an attractive species that is well known for its distinctive color polymorphism. The generally large and obvious orbweavers (Araneidae) were not particularly abundant, 101 specimens of eight species, but this can probably be ascribed to the fact that they mature in late summer/autumn, and many individuals were probably immature at the time of the blitz and were thus discarded as unidentifiable.

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## **The long- and short-horned bugs (Hemiptera)—The bioblitz of 2008**

The Schoodic bioblitz of 2008 targeted the two larger suborders of Hemiptera, the Heteroptera (the “true” or long-horned bugs), and the Auchenorrhyncha (the leaf- and planthoppers, or short-horned bugs). The third suborder, Sternorrhyncha, was not covered due to the more specialized collecting techniques required and the need of slide preparations for identifications in many of the included groups. Data for a few species of Psyllidae (jumping plant lice) were recorded. The lead scientists for this bioblitz were K.G. Andrew Hamilton (Agriculture & Agri-foods Canada), who handled the Auchenorrhyncha, and Donald S. Chandler (University of New Hampshire), who worked with the Heteroptera. A total of 196 species in 28 families were taken.

### **The leafhoppers and allies, or short-horned bugs (Suborder Auchenorrhyncha)**

By K.G. Andrew Hamilton, Agriculture and Agri-foods Canada, Ottawa, ON, Canada.

Auchenorrhyncha or “short-horned” bugs include cicadas (Cicadidae) and their relatives, treehoppers (Membracidae), and a variety of superficially similar families once called “froghoppers” but now recognized as a heterogenous assembly consisting of leafhoppers (Cicadellidae), spittlebugs (Cercopoidea), and planthoppers (Fulgoroidea). Cicadas are large insects and treehoppers have bizarre shapes that render these insects of interest to most naturalists. By contrast, froghoppers are generally small to tiny insects and are not usually considered a group accessible to amateurs, but digital photography and the Internet are fast changing this (Hamilton 2011).

Acadia National Park is not a place one would expect to find interesting Auchenorrhyncha. The fauna of Mt. Desert Island has already been documented by Procter (1946), who recorded 224 species and “varieties.” The primary collecting techniques of sweeping or beating vegetation were commonly used and are still the most productive ways to collect these insects. Also, much of the available habitat is rocky and mostly covered with boreal forest, one of the least productive ecosystems for Homoptera on the continent. Furthermore, most Auchenorrhyncha in boreal forests are associated with fens, aspen groves, and willow thickets, none of which are common in Schoodic District of the park where the bioblitz took place. Nevertheless, a one-day survey there

in 2008 found 95 species of Auchenorrhyncha, which produced 15 new state records and an additional 15 new records for ANP, representing 30% of all the Auchenorrhyncha that were taken during the bioblitz. There is obviously a great need for a more thorough collection of Auchenorrhyncha in the park and elsewhere in the state.

Spittlebugs easily dominated the bioblitz collections. Most were individuals of the introduced European insect known in North America as the Meadow Spittlebug, *Philaenus spumarius*. Its many different color forms (Hamilton 1982: fig. 7) confuse the average collector into thinking that they represent many different species or even a variety of genera. Almost equally abundant in moist sites is another introduced European spittlebug, *Neophilaenus lineatus*. Seven native species were also found at the park, representing nine of the 14 species reported by Procter (1946), after the names recorded by Procter have been corrected to the species now known to occur in this area: *Aphrophora cribrata* (Walker) (= *A. parallela*), assuming *Aphrophora gelida* (Walker) (= *A. irrorata* and *A. sp. nr. permutata*), and that *Philaenarcys spartina* Hamilton (= *Philaronia* or *Philaenus bilineata*). The 14 species of spittlebug reported from the park is a number only slightly higher than the 10 species known from Atlantic Canada, the small provinces south and east of Québec (Maw et al. 2000), and thus probably represents a good estimate of the actual spittlebug fauna of the park.

Cicadas were heard but not taken during the bioblitz. The only call heard was that of the Dog-day Cicada, *Tibicen canicularis* Harris, which is one of two species reported from the park (Procter 1946) and one of only three known from Atlantic Canada, giving a probable representation of 33% of the local cicada fauna.

Planthoppers were represented from the bioblitz by 11 identified species in two families. There were three species in Cixiidae and eight in Delphacidae, of which two specimens of the delphacid genus *Megamelus* appeared to be different species, but could not be identified in the absence of males. This contrasts with 27 species recorded by Procter (1946), including representatives of three additional families: Achilidae (genera *Epiptera*, *Catonia*), Caliscelidae (genus *Bruchomorpha*), and Derbidae (genera *Cedusa* [= *Lamenia*], *Otiocerus* [= *Apache*], and *Patara*). All three cixiid species were among the four reported previously, but nine are known from Atlantic Canada, suggesting that perhaps as little as a third of the total species of this family have been found in the park. Delphacid species were still more poorly represented, with only eight species found compared to at least 12 reported by Procter (1946). The two lists show how incomplete is our information on this family, for only two species are present on both lists: *Tumidagena terminalis* Metcalf (= *M. spartini* of Procter [1946]), and *Muirodelphax arvensis* (Fitch) (= *Delphacodes campestris*). *Megamelus metzaria*, *Prokelisia dolus*, and *Sogatella kolophon* are new state records, and *Kosswigianella lutulenta* is a new park record. The genus *Pissonotus* is represented by a single unidentified female, and brings the total delphacid genera taken during the bioblitz to seven. By contrast, seven delphacid genera recorded by Procter were not verified: *Kelisia*, *Laccocera*, *Liburniella*, *Phyllostinus*, *Stenocranus*, *Stobaera*, and *Javesella* (for "*Delphacodes*" *pellucida*). Combining the two

lists gives a total park fauna of 34 species, comparable to the 30 represented in Atlantic Canada (Maw et al. 2000). The bioblitz sample therefore represents no more than 27% of the fulgoroid fauna in the park.

The treehoppers found in the bioblitz represent a still smaller percentage of the expected fauna. The five species found contrasts with the 11 previously reported (Procter 1946), with only a single new park record, *Telamona gemma*. Since there are 20 species of membracids known in Atlantic Canada (Maw et al. 2000), only about a quarter of the expected fauna was found.

Leafhoppers constituted the bulk of the records, with 65 species found (of which 58 are native), and only a few were unidentifiable, such as two different species of *Draeculacephala* found on *Glyceria* in a seep area in the woods, and another on bayberry (*Myrica*) in a bog.

Procter (1946) reported more than 100 species and varieties of leafhoppers, based on Osborn (1915). Of these, 29 species listed may be associated with species taken in the bioblitz, but some such associations are doubtful: the adventive *Aphrodes albifrons* (L.), which has been recorded only from eastern Canada and Oregon (Hamilton 1983a) is more probably *Anoscopus albiger* (Germar). For the native species listed by Procter, the following corrections are probable and placed in parentheses: *A. novella* (?= *Agalliopsis ancistra* Oman), *B. punctata* (?= *Balclutha confluens* [Rey]), *Aceratagallia sanguinolenta* (?= *Ceratagallia humilis* [Oman]), *Dikraneura* sp. (?= *D. hungerfordi* Lawson), *Evacanthus acuminatus* (?= *E. orbitalis* Fitch), *Graphocephala coccinea* (?= *G. picta* [Walker]), *Latalus sayi* (?= *L. personatus* Beirne), *Limotettix cuneatus* (?= *L. schedia* Hamilton), *Macrosteles divisus* (?= *M. fascifrons* [Stål]), and possibly *Empoasca querci* var. *gillettei* (?= *Typhlocyba latifasciata* [Christian]). Thus, of the 155 species of leafhoppers recorded by Osborn (1915) from all over the state, 19 of these were taken during blitz, suggesting a total fauna exceeding 200 species. By contrast, there are 330 species known from Atlantic Canada (Maw et al. 2000), of which *Draeculacephala robinsoni* Hamilton, *Oncopsis flavidorsum* (Amyot & Serville), and *Oncopsis minor* (Fitch) (= *O. pruni* [Prov.]) were previously recorded from the park by Hamilton (1975, 1983b). The bioblitz records may therefore represent only about 20% of the probable park fauna.

Three of the new state records are of adventive leafhoppers that have expanded their range into Maine since 1946. *Anoscopus flavostriatus* (Donovan) was previously recorded from Vermont in 1898, ranging as far as Nova Scotia by 1954; *Doratura stylata* (Boheman) was first recorded from Massachusetts in 1923, and *Latalus ocellaris* (Fallén) was first found in Quebec in 1942, ranging to New Hampshire by 1954 (Hamilton 1983a). Other new state records include the leafhoppers *Arboridia nitida* (Beamer), *Forcipata acclina* DeLong & Caldwell, *Draeculacephala zaeae* Hamilton, *Empoasca junipera* DeLong, *Empoasca vincula* DeLong, *Oncopsis concurrens* Hamilton, *Scaphoideus jannus* Barnett on various plants, *Kyboasca trilobata* (DeLong) and *Macrosteles galeae* Hamilton on bayberry, and *Destria bisignata* (Sanders & DeLong) on cordgrass. New records from the park include the European *Euscelis sordida* (Zetterstedt) that was “common

in New England” as long ago as 1926, and the native *Balclutha impicta* (Van Duzee), *Colladonus setaceus* Nelson, *Draeculacephala antica* (Walker), *Elymana sulphurella* (Zetterstedt), *Empoasca fabae* Harris, *Gyponana cacumina* DeLong, *Gyponana serpenta* DeLong, *Macrosteles quadrilineatus* (Forbes), *Oncopsis crispae* Hamilton, *Ribautiana unca* (McAtee), and *Xestocephalus fulvocapitatus* Van Duzee.

Other leafhoppers found on cordgrass and previously recorded from the park include *Amplicephalus simplex* (Van Duzee) (= *Deltocephalus simplarius* [Osborn & Ball]) and *Neohecalus lineatus* (Uhler). These, together with the spittlebug *Philaenarcys spartina*, the planthoppers *Tumidagena terminalis*, *Megamelus metzaria*, and *Prokelisia dolus*, plus the leafhopper *Destria bisignata* that was previously known only as far north as New Jersey (Kramer 1976), form a rich fauna restricted to a small area of the the Schoodic District of the park, the filled-in channel between Big Moose Island and the tip of the Schoodic Peninsula. The number of these insects that are flightless or have a widely disjunct distribution pattern suggest that they were brought to the park as eggs in floating vegetation mats torn from coastlines far to the south and transported northwards during hurricanes.

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## The “true” or long-horned bugs (Suborder Heteroptera)

By Donald S. Chandler, University of New Hampshire, Durham, NH.

Though there have been papers treating the bugs (Heteroptera) of Maine, they are now quite dated. Parshley (1914) presented a checklist of the fauna, followed shortly by his catalogue treating the bugs of New England (Parshley 1917). A map in this second paper (Parshley 1917: 5) indicates that he had accumulated some records of bugs from Mt. Desert Island, but none for the Schoodic Peninsula. Procter (1946) provided the first specific checklist treating Mt. Desert Island, documenting 179 species in 20 families.

For the bioblitz, the primary collecting techniques were sweeping or beating vegetation in the various habitats around the peninsula, with members of the aquatic families taken by use of dipnets. These techniques produced 94 species in 22 families, numerically more than half of the species total found in Procter's list. In a comparison of species lists, 32 of the named species were not listed by Procter, and of these, 26 were members of the Miridae (the plant bugs). Procter (1946) included 38 species of Miridae, while the bioblitz produced 48 taxa, of which 15 species could not be placed to genus, or beyond genus. Many of the species that were not listed by Procter are recorded from Maine by Henry and Froeschner's (1988) catalog of the Heteroptera of North America. A few of these species can be found in Parshley's (1914) list for Maine, and more in his treatment of New England (1917). Particularly in terms of the Miridae, the existing list of species for Mt. Desert Island seems to be deficient.

Ten species were taken during the Schoodic bioblitz that were not listed from Maine by Henry and Froeschner (1988), though most are known from surrounding states or Canadian provinces:

- **Miridae:** *Adelphocoris lineolatus*, *Lygocoris viburni*, *Plagiognathus flavicornis*, *Stenodema pilosipes*, *Trigonotylus coelestialium*, *Trigonotylus ruficornis*, *Trigonotylus tarsalis*, *Trigonotylus uhleri*
- **Tingidae:** *Acalypta elegans*
- **Veliidae:** *Microvelia albonotata*

Several of these species are European introductions, and may not have been present on the island at the time prior to publication of Procter's (1946) list.

The capture of *Acalypta elegans*, a native species, is an exciting record. Members of this genus feed on mosses, and this species is quite uncommon (Bailey 1951, Drake and Lattin 1963).

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## The “minor” insect orders—The bioblitz of 2009

By Donald S. Chandler, University of New Hampshire, Durham, NH.

The 2009 bioblitz focused on all of the remaining insect orders, which were not expected to produce many species on the Schoodic Peninsula. One of the minor orders that was not targeted was the Odonata (damselflies and dragonflies), which had been covered for Mt. Desert Island by Harold White (White 1989), and for the state by the Maine Damselfly and Dragonfly Survey (Brunelle and deMaynadier 2005). The data from the few Odonata that were taken during this bioblitz and earlier ones were incorporated into the database, but the group was not actively sought.

The lead scientists attending the bioblitz were Edward L. Mockford (Illinois State University, Normal), who treated the bark lice (Psocoptera) and Donald S. Chandler (University of New Hampshire), who coordinated or performed identifications of all but one of the remaining groups that were collected. The third lead scientist was Ernest C. Bernard (University of Tennessee), whose participation was solicited as the badly needed scientist for the springtails (Collembola), and who could not attend, but agreed to identify the specimens sent to him. A total of 12 orders, 50 families, and 144 species were taken during this bioblitz. The orders of insects collected were springtails (Collembola, 14 families, 53 species), Diplura (one species), Archaeognatha (one species), dragonflies and damselflies (Odonata, four families, 14 species), stoneflies (Plecoptera, one species), grasshoppers and crickets (Orthoptera, three families and nine species), earwigs (one species), cockroaches (Dictyoptera, one species), bark lice (Psocoptera, 11 families, 24 species), thrips (Thysanoptera, two families, five species), lacewings (Neuroptera, two families, five species), scorpionflies (Mecoptera, one species), and caddisflies (Trichoptera, eight families, 23 species).

Collection of two of the most primitive groups of insects in Maine were one of the highlights. A single specimen of a dipluran (Campodeidae: *Metriocnemus* sp.) was taken from the underside of a rock, an arthropod group that few at the blitz had ever previously seen. The single archeognathan species of the area, *Petrobius brevistylus*, is a classic inhabitant of the bare, rocky coast of Maine, and though scarce and quick,

one specimen was finally delivered to the bioblitz lab. The scarcity of flowing water and mid-summer conditions led to only one member of the stoneflies (Plecoptera) being found, the needlefly *Leuctra ferruginea*, which is a species common in slow, warm streams during the summer. The one dictyopteran (cockroach) collected was *Ectobius lapponicus*, a now common introduced European forest cockroach that was first detected in Maine based on a specimen taken from Blackwoods Campground on Mt. Desert Island (Chandler 1992). Procter (1946) documented 10 families and 96 species of caddisflies, while the bioblitz produced eight families and 23 species. Eight of these species were not reported by Procter: *Hydropsyche betteni*, *Lepidostoma carrolli*, *Anabolia bimaculata*, *Limnephilus submonilifer*, *Platycentropus indistinctus*, *Banksiola crotchi*, *Ptilostomis ocellifera*, and *Polycentropus clinei*. All of these are widespread in Maine, and it is surprising that they were not reported by Procter, though *Hagenella canadensis* is represented by a nice series; it is rarely taken and then in small numbers.

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## The springtails (Collembola)

By Ernest C. Bernard, University of Tennessee, Knoxville, TN.

The springtails are phylogenetically close to insects, but are placed as their own class (Collembola) in the Superclass Hexapoda, separate from Class Insecta (Janssens and Christiansen 2011). This group was one of the early evolutionary experiments with six-legged terrestrial arthropods. This experiment was a resounding success, as Collembola are considered the most abundant hexapods on the planet, with important roles to play in the detritus-based-decomposer food web (summarized and critiqued in Hopkin 1997). Nevertheless, they have been understudied because most species are small (less than 2 mm), inconspicuous, and require special techniques for extracting them from plant litter and soil. About 800 species have been reported from North America north of Mexico, but this number is a gross underestimate. Some recent



molecular studies have demonstrated that many taxa may be actually aggregations of closely related species (Carapelli et al. 2005; Felderhoff et al. 2010).

The Maine Collembola fauna has received little attention since the work of Harvey more than a century ago (Harvey 1900). No published, organized list of Maine Collembola exists, although Christiansen and Bellinger (1998) indicated collection localities that included some from Maine under individual species. Also, Culik and Deharveng (1986) noted the hypogastrurid *Xenylla affinisiformis* from the intertidal zone at Castine in Hancock County, Maine. In more recent years Miller et al. (2007, 2008) have published interesting ecological work on arboreal springtails in central Maine, but without species identifications. Procter (1946) recorded only one species, *Anurida maritima* (Neanuridae), for Mt. Desert Island.

The 2009 Schoodic bioblitz yielded 53 species of Collembola in 14 families and all four suborders. All of the taxa collected except *A. maritima* are new records for ANP. Of the 53 species, 43 appear to be new records for Maine and 14 are undescribed species. The proportion of new to described species (one-quarter to one-third) is approximately the same as for other relatively intact NPS units intensively sampled for springtails. At least four of the species are Palearctic exotics: *Lepidocyrtus paradoxus*, *Orchesella cincta*, *Orchesella villosa*, and *Tomocerus minor*. Of these *L. paradoxus* has spread throughout the northeastern states and Great Lakes region down at least to northern Georgia, and the other three are tramp species that are found in North America along coastal shipping routes or ports. Collecting evidence suggests that *O. cincta* may be outcompeting native Tomoceridae in places where both occur. *Allacma fusca* also may be a European exotic since it has been reported only along the Eastern Seaboard, but the evidence is not conclusive.

A total of 68 samples contained springtails. Most of the samples were made with sweep net or hand-collection. This collecting effort likely underestimates springtail biodiversity on the Schoodic Peninsula, but probably is a good reflection of arboreal and climbing species. Many springtail species are true soil dwellers and are unlikely to be collected by these methods. Seven Berlese-extracted and/or hand-sifted samples had 81 records (mean 11.5 species/sample), whereas the remaining 61 samples had 145 records (mean 2.3 species/sample). Future collecting efforts could focus on Berlese funnel or flotation extraction of litter and soil Collembola to round out the Collembola faunal list.

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## The bark lice (Psocoptera)

By Edward L. Mockford, Illinois State University, Normal, IL.

The Psocoptera, or bark lice, are now sometimes placed as the non-parasitic members of the Order Psocodea (Yoshizawa and Johnson, 2006), of which the parasitic members (the biting and sucking lice, Phthiraptera) were not covered due to the need to sample from mammals and birds. The blitz took place in early August, almost the ideal period for the greatest diversity of adult Psocoptera, but was slightly early for the burst of diversity based on the large family Psocidae.

Twenty-four species in 11 families (system of Lienhard and Smithers 2002) were taken, of which 19 could be named and five morphospecies were placed to the level of genus. The only published information on the Psocoptera of the region is the survey by Procter (1946), which dealt with Mt. Desert Island. When the classification and nomenclature of Procter's survey are brought up to date, 24 species in 13 families are treated. The bioblitz produced 10 of the families documented by Procter and added the family Epipsocidae. Species added to the Maine fauna are

- **Trogiidae:** *Cerobasis* sp.
- **Epipsocidae:** *Bertkauia crosbyana*
- **Caeciliusidae:** *Valenzuela boreus*, *Valenzuela pinicola*, *Xanthocaecilius sommermanae*, *Xanthocaecilus* sp.
- **Mesopsocidae:** *Mesopsocus laticeps*

- **Peripsocidae:** *Peripsocus alboguttatus* (which is probably the species called *P. madescens* Walsh on the Procter list, see Mockford 1971), *P. subfasciatus*
- **Philotarsidae:** *Philotarsus parviceps* (which is probably the form called *Philotarsus* n. sp. [Chapman] on the Procter list)
- **Psocidae:** *Blaste subquieta*, *Hyalopsocus* sp., *Metylophorus purus*, *Trichadenotecnum slossonae*

The species listed as *Psocus slossonae* Banks on the Procter list is almost certainly the species now called *Trichadenotecnum quaesitum* (Chapman) (Mockford 1993: 286–287). The bioblitz failed to detect members of the families Liposcelididae, Amphipsocidae, and Myopsocidae, which were present on Procter’s list, but all three are probably present on the Schoodic Peninsula.

The combined list for the two “surveys” gives 14 families with at least 37 valid species for the region. After the bioblitz collecting was pursued on the Mt. Desert Island portion of the park, and three additional species were found for the park list: *Valenzuela graminis* (Mockford) (family Caeciliusidae), *Elipsocus hyalinus* (Stephens) (family Elipsocidae), and *Ectopsocus meridionalis* Ribaga (family Ectopsocidae). It is likely that additional collecting will find still more species in the region.

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## The wasps, bees, and ants (Hymenoptera)—The bioblitz of 2010

The targeted order for the 2010 bioblitz was the Hymenoptera (sawflies, ants, bees, wasps), but within the order, the focus groups were the bees and ants. With the assistance of Matthias Buck (Royal Alberta Museum, Edmonton, Canada), the stinging Hymenoptera other than bees and ants were also treated, while records for the parasitic Hymenoptera (the “Parasitica” section of the Suborder Apocrita) were documented

largely at the level of family or subfamily. Within the groups of “stinging” Apocrita identified by Buck (Crabronidae, Pompilidae, Sphecidae, and Vespidae), only 12 out of 35 species (34%) were shared with Procter’s 1946 list. This is a surprisingly low number for a group that is easily caught and large in size, with 67% (23 species) taken from the Schoodic District not recorded by Procter.

Procter’s list treated 1107 species of Hymenoptera, while the 33 species of ants, 44 species of bees, 35 species of other stinging Apocrita, and 22 taxa (usually family or subfamily level placements) of “Parasitica” lead to 134 species of Hymenoptera in 22 families taken during this blitz.

## The ants (Formicidae)

By Francis A. Drummond<sup>1</sup>, Aaron M. Ellison<sup>2</sup>, Eleanor Groden<sup>1</sup>, and Gary D. Ouellette<sup>3</sup>. <sup>1</sup>University of Maine, Orono, ME; <sup>2</sup>Harvard Forest, Harvard, MA; <sup>3</sup>U.S. National Museum, Washington, DC.

The ant blitz survey in 2010 yielded a minimum of 31 species (Table 5). Some of the black ant species in the *Formica fusca* group (most likely *F. argentea*, *F. fusca*, or *F. glacialis*) were not identified to the species level, but instead were pooled within the black ant *F. fusca* group. Because of this, the number of species collected could have numbered one to two more than our count of 31 species. A nonparametric estimate of ant species richness (Chao2) for the Schoodic Peninsula, based upon the 2010 ant blitz, is  $34 \pm 4.32$  (SD) (Chao 1984; Colwell 2005). It is surprising that this one-day collection event yielded more than one-third of the documented 84 ant species in Maine (Ouellette et al. 2010; Ellison et al. in press).

Reported for the first time in Acadia National Park (ANP), but widespread throughout Maine, is *Formica pallidefulva*. This species was first reported in Maine in the 1960s and is currently restricted to eastern North America and commonly reported from mesic habitats, especially deciduous forests and forest edges (Trager et al. 2007). There were also two species that were reported in ANP on Mt. Desert Island in 1946 (Procter 1946) and had not been collected again until the 2010 Schoodic collection. These species include *Formica neorufibarbis* and *Lasius claviger*. *Lasius claviger* is often found in similar habitats to *F. pallidefulva*, such as deciduous forest habitats, whereas, *F. neorufibarbis* is commonly collected in conifer clearcuts and blueberry (*Vaccinium* spp.) patches, but this species is also collected in subalpine meadows. Due to the association with high altitudes and the demography of its workers, it is suggested that *F. neorufibarbis* is adapted to short cold seasons, characterized by long-lived workers of up to three to four years old (Billick 2003). An interesting aspect of the life history of *L. claviger* is that it is a temporary social parasite of other *Lasius* species, commonly *L. alienus* (Raczkowski and Luque 2011). Following a nuptial flight and possibly overwintering in a solitary manner, a new *L. claviger* queen invades a host colony, kills the queen, and then uses host workers for rearing its young. A species collected in 2003 on Mt. Desert

Island, but not on the Schoodic Peninsula in 2010, is *Formica reflexa* Buren. This is a prairie species, with a disjunct record in Downeast Maine. There are other prairie disjuncts in the Maine ant fauna, including *Formica ulkei* Emery and a *Formica* n.sp. near *F. fossiceps* Buren. These prairie disjuncts occur more frequently in the Canadian Maritimes. They appear to extend south into Maine where there is suitable habitat.

There is considerable overlap of the three Downeast Maine surveys as summarized in Table 5. When considering the 10 most abundant ant species in each collection (Figure 2), as determined by the number of unique sampling sites that each species was found to occur, we find that there are four abundant species in common between the Schoodic 2010 and Acadia 2003 collections: *Formica aserva*, *Myrmica detritinodis*, *Lasius pallitarsis*, and *Camponotus herculeanus*. When making this same comparison between the Schoodic 2010 and the blueberry barrens collections (2003–2008), there are three shared common species: *Formica lasioides*, *Lasius neoniger*, and *Myrmica fracticornis*. None of the ten most common species are shared between the Acadia 2003

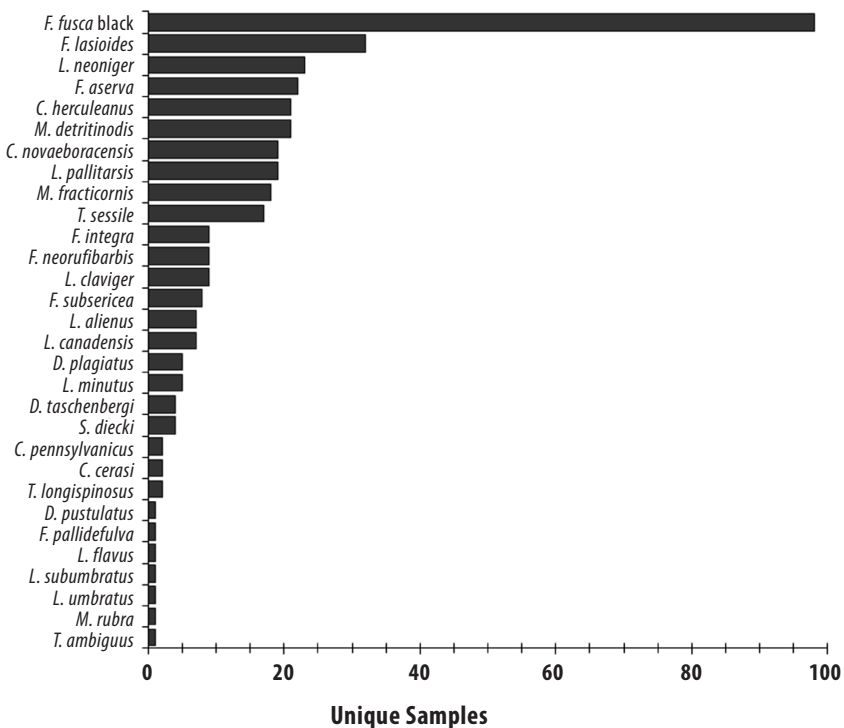


Figure 2. Relative incidence of ant species collected on Schoodic Peninsula, 31 July 2010. Unique samples are defined as the number of sample sites that had the presence of at least one ant for a given species. The *Formica fusca* group is a series of three likely species candidates: *F. argentea*, *F. fusca*, and *F. glacialis*.

Table 5. Ants collected during the past decade in Downeast Maine, and a comparison to the 2010 ant blitz in ANP on the Schoodic Peninsula.

Ant Taxon	Schoodic 2010	Mt. Desert 2003 <sup>d</sup>	Blueberry 2003–2008 <sup>e</sup>
<b>Amblyoponinae</b>			
<i>Amblyopone pallipes</i> (Haldeman) <sup>a,b</sup>	0	1	2
<b>Dolichoderinae</b>			
<i>Dolichoderus mariae</i> Forel <sup>a,b</sup>	0	2	0
<i>Dolichoderus plagiatus</i> (Mayr)	17	5	7
<i>Dolichoderus pustulatus</i> Mayr <sup>a</sup>	2	13	4
<i>Dolichoderus taschenbergi</i> (Mayr)	7	7	65
<i>Tapinoma sessile</i> (Say)	41	30	184
<b>Formicinae</b>			
<i>Brachymyrmex depilis</i> Emery <sup>a</sup>	0	3	4
<i>Camponotus herculeanus</i> (Linnaeus)	32	32	0
<i>Camponotus caryae</i> (Fitch) <sup>c</sup>	0	0	0
<i>Camponotus novaeboracensis</i> (Fitch)	46	8	85
<i>Camponotus pennsylvanicus</i> (De Geer)	3	19	11
<i>Formica argentea</i> Wheeler <sup>a</sup>	na <sup>f</sup>	29	38
<i>Formica aserva</i> Forel	63	28	17
<i>Formica exsectoides</i> Forel <sup>a</sup>	0	4	1840
<i>Formica cf. fossiceps</i> Buren <sup>a</sup>	0	2	3
<i>Formica fusca</i> Linnaeus	na <sup>f</sup>	1	25
<i>Formica fusca</i> group <sup>f</sup>	480	na <sup>f</sup>	na <sup>f</sup>
<i>Formica glacialis</i> Wheeler	na <sup>f</sup>	0	1197
<i>Formica integra</i> Nylander <sup>a</sup>	1	3	1198
<i>Formica lasioides</i> Emery <sup>a</sup>	165	13	677
<i>Formica neogagates</i> Viereck	0	0	167
<i>Formica neorufibarbis</i> Emery	19	0	1
<i>Formica obscuriventris</i> Mayr <sup>c</sup>	0	0	0
<i>Formica pallidefulva</i> Latreille <sup>a,b</sup>	1	0	0
<i>Formica cf. reflexa</i> Buren <sup>a</sup>	0	1	0
<i>Formica rubicunda</i> Emery	0	0	18
<i>Formica subintegra</i> Wheeler	0	0	5
<i>Formica subsericea</i> Say	18	40	1812
<i>Formica ulkei</i> Emery <sup>b</sup>	0	0	290
<i>Formica</i> near <i>whymeri</i> (microgyna)	0	0	1
<i>Lasius alienus</i> (Foerster)	8	54	49
<i>Lasius claviger</i> Roger	19	0	0
<i>Lasius flavus</i> (Fabricius)	1	12	61

Table 5. Continued.

Ant Taxon	Schoodic 2010	Mt. Desert 2003 <sup>d</sup>	Blueberry 2003–2008 <sup>e</sup>
<i>Lasius minutus</i> Emery <sup>a</sup>	6	1	0
<i>Lasius neoniger</i> Emery	85	6	737
<i>Lasius pallitarsis</i> (Provancher)	49	18	77
<i>Lasius subumbratus</i> Viereck	1	6	0
<i>Lasius umbratus</i> Nylander	9	5	0
<b>Myrmicinae</b>			
<i>Aphaenogaster picea</i> Wheeler <sup>a</sup>	0	3	345
<i>Crematogaster cerasi</i> Fitch <sup>a</sup>	7	14	129
<i>Crematogaster lineolata</i> (Say)	0	11	0
<i>Leptothorax muscorum</i> complex Nylander <sup>h</sup>	10	7	1
<i>Myrmecina americana</i> Emery <sup>b</sup>	0	0	1
<i>Myrmica alaskensis</i> Wheeler	0	0	1
<i>Myrmica americana</i> Weber	5	4	2266
<i>Myrmica detritinodis</i> Emery	53	39	224
<i>Myrmica fracticornis</i> Forel	58	10	1216
<i>Myrmica incompleta</i> Provancher	0	1	2
<i>Myrmica latifrons</i> Starcke <sup>c</sup>	0	0	0
<i>Myrmica rubra</i> (Linnaeus)	1	13	0
<i>Myrmica</i> new species (code AF-scu) <i>sculptilis</i> group <sup>a</sup>	0	5	6375
<i>Myrmica</i> n. sp. (species code AF-ine)	0	0	1
<i>Stenamma brevicorne</i> (Mayr)	0	3	2
<i>Stenamma diecki</i> Emery <sup>a</sup>	17	1	1
<i>Temnothorax ambiguus</i> (Emery)	2	1	43
<i>Temnothorax longispinosus</i> (Roger) <sup>a</sup>	2	16	0
<i>Tetramorium caespitum</i> (Linnaeus) <sup>a</sup>	0	4	0
<b>Ponerinae</b>			
<i>Ponera pennsylvanica</i> Buckley	0	2	11
<b>TOTAL SPECIES</b>	<b>31g</b>	<b>42</b>	<b>42</b>

a not reported in 1946 (Procter 1946), 2003 ANP (Mt. Desert Island) record.

b new Maine record.

c reported in 1946 on Mt. Desert Island (ANP), but not found since.

d Ouellette et al. (2010).

e Choate and Drummond (in press).

f *Formica fusca* group of black ants not identified to species in 2010, including: *F. argentea*, *F. fusca*, and *F. glacialis*.

g assuming that the *F. fusca* black ant group is comprised of one species.

h includes both *L. sp.* AF-can ("*canadensis*") and *L. sp.* AF-erg ("*ergatogynous*"), acc. to Francoeur (pers. comm. to AME, Nov. 2010).

and blueberry barrens collections. The physical distance between these collection areas is greater than between each and the Schoodic areas, the habitats of these areas differ more with the blueberry barrens having dryer and sandier soils. However, recent ant collections in the forested landscapes of western Maine (Lough 2003) share four of the most common species with the Schoodic 2010 collection: *M. detritinodis*, *F. aserva*, *Camponotus novaeboracensis*, and *Tapinoma sessile*. This suggests that distance and distinct landscapes may not explain differences in Maine ant communities.

Ant incidence (measured as number of sites sampled with the presence of at least one ant) increased at a constant rate relative to land area of a habitat type (Figure 3). However, ant-species richness does not track ant abundance across habitat types (Figure 3). The conifer forest habitat, the largest habitat type in land area on the Schoodic Peninsula, had proportionately lower species richness per unit of habitat than the other habitats. However, the total species richness was still highest in the conifer habitat. The invasive ant, *Myrmica rubra*, was found for the first time on the Schoodic Peninsula.

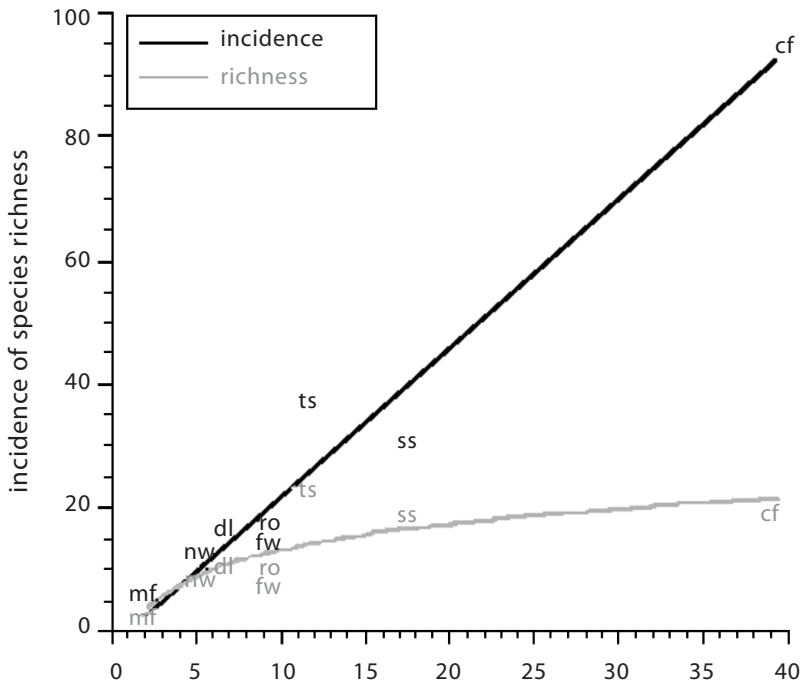


Figure 3. Relationship between relative habitat size and ant incidence or ant-species richness. Habitats include mixed forest = mf; nonforested wetland = nw; developed landuse = dl; forested wetlands = fw; rocky outcrops = ro; tidal shoreline = ts; scrub/shrub rangeland = ss; and coniferous forest = cf.



Several sample surveys (1997, 2001, 2003, and 2007) had been conducted for this species prior to 2010. *Myrmica rubra* was detected at only one site located on the East Loop Road at the east end of a freshwater pond in the northeast corner of the peninsula. This is consistent with *M. rubra* colonization of habitats with moist soils along wetlands, streams and ponds in other parts of the state (Garnas et al. 2007; Groden et al. 2005). Future surveying of this area should be considered to monitor the progress of *M. rubra* expansion in occupied habitats, and the effects of extirpating any of the currently existing native fauna.

In summary, the ANP ant bioblitz surveys on Mt. Desert Island in 2003 and on Schoodic Peninsula in 2010 provide a baseline data set for future investigations of ant biodiversity and assessment of possible changes due to climate change or anthropogenic landscape disturbances, as ants have been shown to be indicators of habitat change (Lough-Guissepe et al. 2006).

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## The bees (Apoidea)

By Sam Droege, U.S. Geological Survey, Beltsville, MD.

Approximately 46 species of bees were collected during this bioblitz, with the final count awaiting accurate identification of four to five species of *Lasioglossum*. Eleven of these species found on the bioblitz were not listed in Procter (1946), but were species that are expected for this region. The eight species of bumblebees (*Bombus*) were a nice surprise. Eleven species of *Bombus* are listed in Procter's (1946) long-term study of the insect fauna of Mt. Desert Island. Of those species he listed, we did not detect *B. affinis*, *B. ashtoni*, *B. citrinus*, and *B. fervidus*, but did add the uncommon woodland bumblebee *B. sandersoni*. Procter notes that *B. terricola* and *B. perplexus* were common species, more so than *B. vagans*, while in the bees sampled during the bioblitz the reverse pattern was observed. These patterns parallel some of the recent large-scale shifts in *Bombus* populations in Eastern North America. Only two species from the species rich genus *Andrena* and one from the genus *Megachile* were taken, which was surprising. The estimating program SPECRICH ([www.mbr-pwrc.usgs.gov/software/specrich.html](http://www.mbr-pwrc.usgs.gov/software/specrich.html)) was used to estimate the total number of bees found on the peninsula based on the patterns of bees captured during the bioblitz. Results indicated that the real number of bees should be closer to 58 species (SE = 5.536); not unsurprising considering there were many (15) singletons detected, indicating that the peninsula's bees were part of a larger regional population of species.

Bees were sampled from 30 July to 1 August 2010. On 30 July, Leo Shapiro, Andrew Webber, and Sam Droege set out more than 400 3.25-ounce bowl traps (Droege et al. 2010) in various colors (white, fluorescent blue, fluorescent yellow) at a number of locations around the Schoodic Peninsula and on nearby Little Moose Island, and periodically serviced each of the following two days. Most bowls were left out for a 24-hour period. Some bowls were lost or spilled during the survey, but a total of 417 bowls remained full of water, and therefore were capable of catching bees. A transect of 15 bowls were used at most locations; however, many more bowls were deployed on Little Moose Island (152 recovered with water), and 30 were set along the powerline right-of-way at the entrance to the park. Also on 30 July, these three collectors used nets to collect at several locations throughout the park, primarily in locations different from those where the bowls had been set.

Bowls were set out each day for about 2.5 hours in the morning, with net-collecting conducted over approximately 4 hours, though the times were not recorded. On 31 July, a number of participants of the Hymenoptera Blitz net-collected during the day, approximately from noon until 6:00 P.M. All samples from this effort were aggregated, and no attempt was made to record site data. A single locality in the middle of the peninsula was used to mark the latitude/longitude for these sites.

In an analysis of the results, the productivity of different collecting techniques and groups of individuals were compared, with netting by the three bee specialists producing 21 species/207 specimens, netting by the other participants producing 22 species/177 specimens, the bee bowls producing 29 species/955 specimens, and other techniques (e.g., malaise traps) producing 15 species/107 specimens. Based on these collection data, if you want to catch a lot of bees with minimal skill and time, bee bowls would be the most effective collecting technique. It took three people about 2.5 to 3 hours to put out the traps and an equal amount of time to pick them up. It is also interesting to note that the 4 hours of net collecting by Shapiro, Droege, and Webber yielded more specimens than the general net collecting by the rest of the participants. In terms of species composition, the bowl surveys collected slightly more species than the other groups, but when you combined the three non-bowl categories, it becomes almost equal (29 species in bowls, 30 in all the others). Fourteen species were found only by use of non-bowl techniques, and 13 found only by using bowls, with several more “bowl only” specimens likely showing up once the *Lasioglossum* species are identified.

It was useful to have both netting and bowl collecting occurring during the blitz as the captures were complementary. In terms of productivity, however, it is clear that if only inexperienced bee hunters are available for surveys, their time is best spent putting out bowl traps. Given the small amount of time necessary to deploy bowls, it could be the case that having all participants simply put out bowls rather than netting would have yielded a greater overall species total.

From the collection results and personal observations while collecting, there were a number of localities on the peninsula that were particularly rich and important to bee populations. Those were (1) the open area and first portion of the Powerline Road at the entrance to the park, (2) the disturbed and built-up areas of Big Moose Island, Little Moose Island, and the nearby mainland, and (3) the area where the road exited the park.

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## SUMMARY AND DISCUSSION

### **Products, both scientific and public**

The results of each bioblitz were based on a 24-hour snapshot in time of the species present in the Schoodic District during mid-summer. In general, collecting was opportunistic, and not all park lands were sampled or given the same amount of sampling effort. Thus, the number of arthropods recorded during the bioblitz events represents a conservative estimate of the total biodiversity of the area. Despite the limitations in these data, overall arthropod biodiversity was surprisingly high given that this section of the park is <1,000 ha in size and that a majority of the habitat was very homogeneous—coniferous trees predominate in this portion of ANP (Table 1).

The Mt. Desert Island list published by Procter (1946) has been the only comprehensive list based on long-term attention to a specific area in New England. Charles Johnson spent a week to 10 days collecting on the island for eight years, which was followed by William Procter sponsoring visits by taxonomists to add to these records over the following 19 years. This led to documentation of 6578 species of insects and arachnids in 349 families for the island. The eight one-day bioblitzes have produced 1605 species in 248 families, one-fourth the number of species from a much smaller and quite homogeneous area, and from a comparatively very short time investment.

These bioblitz results produced 525 new park species records, and for the state of Maine, 109 new state records—clear contributions to the scientific knowledge of both the park and the state. Particularly notable for the park were the increases in known species for the Collembola (from one to 53 species) and spiders (89 new species records added to the 154 known). Even in large and comparatively well-known groups such as the beetles (154 new records), moths/butterflies (82 new records), and flies (53 new records), there have been significant additions in knowledge of diversity. At least 24 invasive species from Europe were noted for the first time for the park, though most of these have been previously recorded as present in the state. These additions clearly indicate that Procter's (1946) list is just the first attempt to document the insect and arachnid biodiversity of Mt. Desert Island, and that the Schoodic bioblitzes have substantially extended this list while documenting the appearance of a number of invasive species since that time.

Park scientists can now talk more knowledgably about the arthropods that are in the Schoodic District of the park. For example, the surveys provided information about the presence of nonnative species, serving as an early warning to managers about the potential for new invasive pest species. The reference collection of specimens will also serve as a core educational and scientific asset at SERC. Park interpreters can use the information to help inform public and student science-education programs. In addition, these baseline data can be used for education and future studies on the Schoodic Peninsula.

Beyond extending the scientific knowledge of biodiversity in the park and state, these bioblitz events have also contributed to improving the public's awareness and understanding about biodiversity and arthropods in particular. Although many of the 460 bioblitz participants were amateur naturalists or entomologists, at the start of the events they often did not have specific knowledge about the taxonomy and/or natural history of the specific taxa that were being targeted. By the end of the bioblitz weekend, however, many had gained enough knowledge to sort and even identify specimens to the family or genus level.

The bioblitzes have also helped connect youth to the outdoors. Many recent studies indicate that today's children are spending less and less time in nature compared to children of previous generations (Louv 2005). The youth (and their parents) who participated in these bioblitzes as citizen scientists not only had a valuable national park experience, but also an active weekend in the outdoors. Workshops for the general public were organized and conducted on the Sunday mornings of each bioblitz event. These sessions provided introductory information about the natural history and diversity of the bioblitz taxon. In addition, the participants were also able to collect specimens and then contribute them to our overall inventory effort. For many, this was their first experience participating in a scientific study and their first opportunity to handle insects and spiders in a non-threatening environment. For the broader public, Frank Graham Jr. published a popular article on outcomes from the bioblitzes ("Joy of Flies," *Audubon* July/August 2007), and Maine Public Television Networked developed a program in 2005, "Investigating Our World—Getting the Bugs Out," (transcript at [www.mpbn.net/quest/pdf/trans-summer.pdf](http://www.mpbn.net/quest/pdf/trans-summer.pdf)). The results of each bioblitz were reported in the Maine Entomological Society newsletters (Vols. 8–11 & 15[3], Vols. 13 & 14[4]) and on the ANP web site ([www.nps.gov/acad/naturescience/bioblitz.htm](http://www.nps.gov/acad/naturescience/bioblitz.htm)).

## **Organization of successful bioblitzes**

Many bioblitz participants were returnees and paid registration and meal costs while serving as volunteers for two to three days. In return, they felt that they were a part of something larger than themselves and had an opportunity to make a valuable contribution to science, learn from experts in the field of natural history, and be in the field with them in one of the most beautiful localities in the Northeast. There was also the camaraderie of sharing a passionate interest in insects with others. For this process to function successfully over several years, however, there needed to be continual planning, an understanding of how to involve diverse groups of people and deliver positive experiences for the participants in achievement of the goals of the bioblitz experience.

Key to the success of our bioblitz events was the establishment of a collaborative effort involving different agencies and organizations. This process could serve as a model for other protected areas interested in conducting similar biodiversity discovery activities. National Park Service staff at ANP had limited entomological expertise and cultivated a partnership with the MES to help promote the bioblitz events among their

membership. MES also assisted in locating taxonomists to participate and oversee the identification of collected organisms. The University of Maine had some trained entomologists on staff, along with graduate students working on entomological projects. A committee was formed to design and run the bioblitz with members participating as representatives from ANP, MES, Maine Forest Service, and the University of Maine. The committee shared in planning for the events, finding or providing collecting equipment and supplies, training participants, overseeing specimen processing, and managing bioblitz data.

One of the original problems in organizing and running a bioblitz at the park, was lack of funding and available taxonomic expertise. To address these real issues, we decided to limit the bioblitz to (1) one order of insects a year, and (2) to limit the bioblitz to the Schoodic District of the park where existing facilities could house activities and participants. This format was sustainable from an operational perspective and still provided meaningful scientific and educational outcomes. Costs to hold the bioblitz events were consequently small (<\$3,000), in part because the partners contributed staff and equipment as in-kind support. Costs to individuals participating were also kept low because the NPS and SERC Institute (the nonprofit partner of the NPS managing SERC) provided free overnight accommodations on campus and handled much of the operational logistics relevant to housing and meals during the bioblitz.

A critical step in making the bioblitz events a success was finding a lead taxonomist to take responsibility for the insect group(s) to be studied each year. The responsibilities of the lead taxonomist included recruiting other taxonomists, ensuring proper identification of the specimens collected, and providing that information via a report and the identified specimens to the park in a timely manner. The lead taxonomist also assisted with training participants in collection techniques, in suggesting appropriate collecting areas, and in processing the specimens and sharing his/her expertise with the participants. An agreement was developed with the taxonomist and a small stipend was provided.

The planning of the bioblitz itself—collecting, processing, identifying, and entering the resultant data—was carefully worked out in advance so that a large number of people could move smoothly through the process. A lab layout was designed in such a way that collected samples could be logged in and then the specimens were routed so that they could be processed, identified, and cataloged. A lab manager directed the flow of samples, answered questions, and assisted in training (or finding mentors) for newcomers to the lab, so that as many people as possible could assist in processing the material as it came in from the field. No more than one to two individuals were trained to handle data entry, so that this could be done as consistently as possible. The organizing committee made up lists of equipment and supplies, and members volunteered to provide what they could. Labeling every item used for the bioblitz with the owner's name made the end of the blitz infinitely easier when it was time to pack up equipment and supplies. This included labeling packing boxes, collecting equipment,

and disposable supplies. Over the years, ANP was able to build up a cache of collecting and lab equipment and supplies.

Another aspect that contributed to the success of our bioblitzes was having accommodations and food provided for participants. Participants were thus able to focus on intensive collecting and processing of samples without distractions or worry about their meals or housing.

Since success was enhanced by participation of volunteers and professionals who were often unfamiliar with the area and unused to working together, we made a focused effort to provide clear directions about the operation of the bioblitz. Prior to the start of the 24-hour collecting period a specialized workshop was given to the participants treating the taxonomy of the order(s) of interest, their natural history, appropriate collecting techniques, and the protocol for delivery and identification of specimens. Other presentations were also given on safety, working in a national park, and interacting with park visitors. The organizing committee carefully thought through how participants would move through each step starting with check in, getting to the collecting sites, handling the specimens, and many more details. Preregistration was required and participants were sent materials in advance so that they would bring appropriate clothing and collecting gear. Starting in 2005, the MES also held a one-day winter workshop each year to familiarize its members and others with the taxon that would be studied in the upcoming bioblitz. These workshops provided a basic understanding of the taxon, so that people were more comfortable in recognizing and working with the groups during the blitz.

The number of people attending the bioblitzes ranged from 35 to 110 (Table 3), with many of the “blitzers” being returning participants. Each upcoming bioblitz was advertised in the MES newsletter, at area universities and colleges, and by the taxonomists. Participants were professional, amateur, and student entomologists, together with ANP staff. Although the bioblitz events were not marketed to the general public, individuals and families who expressed an interest in attending were welcomed. Some of the attendees were unfamiliar with area, but knew how to collect, while others needed guidance in how to collect insects. To ensure that all participants had a positive experience at the bioblitzes, we organized collecting teams comprised of experienced collectors, novices, and people familiar with the Schoodic section of ANP.

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We are indebted to all the past bioblitz participants. Without their support and assistance, our current understanding about the arthropod biodiversity on the Schoodic Peninsula would not have been possible. We would like to directly thank those taxonomists who served as lead scientists, and those who assisted by attending and identifying species within their specialities, or agreeing to receive and identify specimens sent by the lead scientists:

**Lepidoptera Bioblitz, 2004:** Lead taxonomists: Brian Scholtens (moths), College of Charleston, Charleston, SC; Reggie Webster (butterflies), University of New Brunswick, Canada. Assisting taxonomist: Tony Roberts, Steuben, ME.

**Coleoptera Bioblitz, 2005:** Lead taxonomist: Donald S. Chandler, University of New Hampshire, Durham. Assisting taxonomists: Ross and Joyce Bell, University of Vermont, Burlington; Robert Davidson, Carnegie Museum of Natural History, Pittsburgh, PA; Henry and Anne Howden, and Francois Génier, Canadian Museum of Nature, Ottawa, ON, Canada; Serge Laplante, Agriculture and Agri-foods Canada, Ottawa, ON, Canada; Robert E. Nelson, Colby College, Waterville, ME; Edward G. Riley, Texas A&M University, College Station, TX; John Weaver, USDA/APHIS, Charleston, SC; Reggie Webster, University of New Brunswick, Canada.

**Diptera Bioblitz, 2006:** Lead taxonomist: Joe Keiper, Cleveland Museum of Natural History, Cleveland, OH (now at Virginia Museum of Natural History, Martinsville, VA). Assisting taxonomists: Brian Wiegmann, North Carolina State University, Raleigh; Wayne N. Mathis, National Museum of Natural History, Washington, DC; F. Christian Thompson, National Museum of Natural History, Washington, DC; Gregory A. Dahlem, Northern Kentucky University, Highland Heights; Terry Wheeler, University of Guelph, ON, Canada.

**Spider Bioblitz, 2007:** Lead taxonomists: Richard Bradley, Ohio State University, Marion; Daniel Jennings, US Forest Service (ret.). Assisting taxonomist: Frank Graham Jr., Milbridge, ME.

**Hemiptera Bioblitz, 2008:** Lead taxonomists: K.G.A. Hamilton (Auchenorrhyncha), Agriculture and Agri-foods Canada, Ottawa, ON, Canada; and Donald S. Chandler (Heteroptera), University of New Hampshire, Durham. Assisting taxonomists: Laura Miller, West Virginia Department of Agriculture, Charleston; Glen Mittelhauser, Maine Natural History Observatory, Gouldsboro.



**Miscellaneous Orders Bioblitz, 2009:** Lead taxonomists: Donald S. Chandler (most orders), University of New Hampshire, Durham; Edward L. Mockford (Psocoptera), Illinois State University, Normal; Ernest C. Bernard, University of Tennessee, Knoxville (Collembola).

**Hymenoptera Bioblitz, 2010:** Lead taxonomists Sam Droege (Apoidea), USDA, Beltsville, MD; and Frank Drummond and Ellie Groden, University of Maine, Orono. Assisting taxonomists: Matthias Buck, Alberta Museum of Natural History, Edmonton, AB, Canada; B. Choate, University of Maine, Orono; Aaron Ellison, Harvard Forest, Harvard, MA; Gary Ouellette, U.S. National Museum, Washington, DC.

**Lepidoptera Bioblitz, 2011:** Lead taxonomist: Brian Scholtens, College of Charleston, Charleston, SC.

A critical aspect of a bioblitz is the processing (mounting and labeling) and organization of the specimens as they arrive. There were many people who provided extra help in the lab, but we would particularly like to recognize Dana Michaud and David Bourque, typically first in and last out, who contributed greatly with all aspects of specimen preparation and identification, and Karen Hopkins, a consistent contributor to the needs of processing in the lab. A special thanks to Dick Dearborn, past president of the MES, who was instrumental in organizing and serving as an advocate for the first bioblitzes. The Maine Forest Service assisted tremendously by providing equipment, supplies (the entire lab in the first few years), expertise, and people. Bill Urquhart and Colleen Teerling have assisted in transporting and setting up equipment and collecting for a number of years. A series of interns have assisted in most of the blitzes doing all the small things that help a blitz run smoothly.

The MES has been the linchpin for the blitzes. It was through this organization that all the parties were initially brought together to begin the bioblitzes. Members of MES have been the core participants with some of them attending every year (i.e., Mike Mazurkiewiz and Karen Hopkins). Some have attended most years (i.e., Dana Michaud, David Bourque, Dick Dearborn, Bob Nelson, Linda Sevier, Richard Hildreth) and contributed their knowledge and expertise. More than 55 MES members have participated in at least one bioblitz. The University of Maine contributed collecting equipment and supplies during each of the Blitzes. Some of the University of Maine graduate students have also participated in bioblitzes, lending their knowledge, energy, and enthusiasm.

Support by the ANP staff was critical for success of the blitzes. Special thanks to Karen Anderson and Bill Gawley of ANP for their excellent GIS and data-management support, respectively. Karen kept track of all the collecting sites and produced numerous maps. Bill created an Access database that housed all associated data from the bioblitzes and served as data manager for the bioblitz events between 2004 and 2009 until Anne Swann assumed this role from 2009 to 2011. Their excellent organizational and computer skills are greatly appreciated. Thanks to John McDade, Rebecca Cole-Will, Robyn

King, and Anne Swann who catalogued the bioblitz voucher specimens into the NPS cataloging system (Interior Collections Management System). Jim McKenna served as NPS liaison during the Arachnid bioblitz and assisted with setting out pitfall traps prior to the 24-hour collecting event. Abe Miller-Rushing also provided assistance during the 2010 and 2011 bioblitzes. Dr. Cassie Gibbs and Marcia Siebenmann volunteered their time to lead educational workshops for the general public at many of the bioblitz events—we thank them for making these sessions informative and fun. Thanks also to Kelley Bernier, June Devisfruto, Alecia Fortier, and Michelle Bierman of the SERC Institute and NPS for their help with bioblitz registrations, housing, food service, and other logistical support. We also greatly appreciate the support of the SERC Institute who covered the costs of overnight accommodations for all bioblitz participants.

## Appendix 1: Bioblitz collecting sites and their characteristics

Only sites that have been sampled for all bioblitzes were fully characterized during visits by David Manski in fall 2010. Georeference data are in decimal degrees; elevation is in meters; followed by the general habitat description; ending with the 1997 Map Class Description based on interpretations of 1997 aerial photography (Lubinski et al. 2003; citation at end of Introduction). “SERC” stands for the Schoodic Education and Research Center.

- Site 1, SERC, Big Moose Island, 44.33829, -68.06237, 27 m, coniferous forest mixed with extensive areas of buildings/cleared areas, Red Spruce–Balsam Fir Forest Alliance.
- Site 2, Powerline Trail, 0.3 km S Frazer Creek, 44.37146, -68.07155, 16 m, coniferous forest, roadside, large spruce/fir, moss in understory, Red Spruce–Balsam Fir Forest Alliance.
- Site 3, Frazer Point, 44.37539, -68.07580, 3 m, picnic area, roadside, turf/grass, alders, some hardwood and coniferous trees, Open Headland–Beach Strand.
- Site 4, East Loop Road, Buck Cove, 44.36048, -68.04627, 4 m, coastal shoreline, scrub/shrub, coniferous forest, beach pea, grasses, cobble boulder beach; W side of road alders, spruce, some hardwoods, Tidal Algal Zone.
- Site 5, West Loop Road, 2.9 km S Frazer Point, 44.34898, -68.07265, 23 m, coniferous forest, riparian, spruce/fir, some birch, lots of moss, very little understory (dark under canopy), small intermittent creek running in area, Red Spruce–Balsam Fir Forest Alliance.
- Site 6, Schoodic Head summit, 44.35007, -68.05310, 130 m, granitic high elevation outcrop, coniferous forest, open headland, jack pine, blueberry, huckleberry, lots of exposed granite bedrock, Jack Pine Woodland.
- Site 7, Schoodic Head Road at Powerline Trail, 44.34871, -68.06198, 35 m, coniferous forest, roadside, spruce/fir lined gravel road, lots of blowdown, and large trees; some birch, Red Spruce–Balsam Fir Forest Alliance.
- Site 8, Sundew Trail, coastal area off of trail, Big Moose Island, 44.34063, -68.06550, 3 m, mixed forest, birch, stunted spruce/fir, large slabs of exposed granite, grasses and other salt tolerant vegetation at high intertidal, Red Spruce–Balsam Fir Forest Alliance.
- Site 9, “Panty Lane,” off of East Loop Road, 44.36153, -68.04325, 10 m, coniferous forest, open headland, roadside, spruce, Red Spruce–Balsam Fir Forest Alliance.
- Site 10, Big Moose Island Lagoon, near NW end, 44.34151, -68.05861, 2 m, heath/bog, standing water, spongy, picture plants, grasses, sedges, some low shrubs, Red Spruce–Balsam Fir Forest Alliance.

- Site 11, West Loop Road at Blueberry Hill Road, beach area, 44.34583, -68.06623, 4 m, pond, riparian, coniferous forest, roadside, fresh-saltwater interface, fringed by spruce/fir on 3/4 of the water and roadside on other quarter, Open Headland–Beach Strand.
- Site 12, Blueberry Hill Road at powerlines, 44.34567, -68.05963, 15 m, coniferous forest, roadside, spruce/fir lined gravel road, lots of blowdown, and large trees; some birch, Red Spruce–Balsam Fir Forest Alliance.
- Site 13, Schoodic Point parking area, 44.33319, -68.06091, 15 m, coastal shoreline, open headland, roadside, shrubs, grasses and occasional small spruce large expanses of granitic outcrop, Commercial and Services.
- Site 14, Alder Trail, 44.34449, -68.05620 to 44.33897, -68.04639, 7-31.4 m, scrub/shrub, roadside, 10 ft alders, red maple, mountain ash, grasses on path, wet areas, Mixed Deciduous Shrubland.
- Site 15, Blueberry Hill Road, 44.34606, -68.06687 to 44.34449, -68.05620, 4.7-23.2 m, coniferous forest, roadside, spruce/fir lined gravel road, lots of blowdown, and large trees; some birch, Mixed Deciduous Shrubland.
- Site 16, Big Moose Island Lagoon, SE end, 44.33865, -68.05435, 3 m, pond shoreline, salt marsh plants, grasses, herbaceous plants, Tidal Marsh.
- Site 17, East Loop Road, Blueberry Hill Lane, 44.33848, -68.04531, 3 m, picnic area, open headland, roadside, bayberry, rose shrubs, *Spirea*, alder, grasses, Open Headland–Beach Strand.
- Site 18, East Trail at East Loop Road, 44.35231, -68.04716, 14 m, coniferous forest, open headland, roadside, spruce, bayberry, huckleberry, rocky outcrops, steep E facing slope, grasses along road shoulder, Open Headland–Beach Strand.
- Site 19, Powerline Trail, northern half, 44.37143, -68.07147 to 44.35574, -68.06816, 15.8-28.2 m.
- Site 20, Little Moose Island, NW point, 44.33611, -68.05137, 6 m, Crowberry–Bayberry Headland.
- Site 21, East Loop Road, NE corner of park, Wonsqueak Pond, 44.36265, -68.04122, 5 m, pond shoreline, sedges, grass, alders, spruce/fir, Open Water–Deep Marsh Complex.
- Site 22, 1.9 km S Frazer Point, West Loop Road, unnamed stream riparian area, 44.35748, -68.07508, 15 m, riparian, mixed forest, spruce/fir, birch, shrubs, stream-side herbaceous vegetation, Red Spruce–Balsam Fir Forest Alliance.
- Site 23, East Loop Road, 2.5 km N from junction Schoodic Head Road, 44.35390, -68.04781, 12 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 24, East Loop Road, junction with Alder Trail, 44.33927, -68.04595, 10 m, scrub/shrub, roadside, alder, *Spirea*, other low shrubs, wet areas, Mixed Deciduous Shrubland.

- Site 25, Blueberry Hill Road, E end, 44.34450, -68.05664, 21 m, scrub/shrub, roadside, grasses, cherry, birches, alder, *Spirea*, goldenrod, asters, Mixed Deciduous Shrubland.
- Site 26, Blueberry Hill Road, stream area near W end, 44.34635, -68.06421, 4 m, riparian, coniferous forest, spruce/fir line stream, very shaded, lots of moss and herbaceous vegetation, Graminoid Shallow Marsh.
- Site 27, Powerline Trail near Frazer Creek, 44.37315, -68.06996, 7 m, deciduous forest, roadside, maples, oaks, poplar, grasses alders, Mixed Deciduous Shrubland.
- Site 28, West Loop Road, salt marsh at Big Moose Island Lagoon, 44.34320, -68.06018, 3 m, salt marsh, coastal shoreline, roadside, grasses and salt tolerant vegetation, inundated at high tide, Tidal Algal Zone.
- Site 29, N of Alder Trail, near E end, 44.34027, -68.04893, 20 m, Mixed Deciduous Shrubland.
- Site 30, West Loop Road, beach area W of Big Moose Island Lagoon, 44.34258, -68.06005, 2 m, Tidal Algal Zone.
- Site 31, Powerline Trail from Frazer Creek to Blueberry Hill Road, 44.37396, -68.07113 to 44.34269, -68.05683, 3-38.8 m, scrub/shrub, freshwater wetland, old field succession, powerline right of way, chest high alders, moss, sedges, individual small spruce, small wetlands, Mixed Deciduous Shrubland, Red Spruce–Balsam Fir Forest Alliance.
- Site 32, Powerline Trail by Frazer Creek, 44.37350, -68.07026, 4 m, Mixed Deciduous Shrubland.
- Site 34, East Loop Road, coast just E of Big Moose Island Lagoon, 44.33859, -68.05236, 3 m, coastal shoreline, open headland, roadside, sedges, salt tolerant grasses, rose shrubs, intertidal and cobble boulder beach, Tidal Algal Zone.
- Site 35, Powerline Trail, across Big Moose Island Lagoon area, 44.33908, -68.05618, 44.34269, -68.05683, 1.8–23.8 m.
- Site 36, Anvil Trail from East Loop Road to Schoodic Head, 44.33997, -68.04447 to 44.34939, -68.05250, 12.9-131 m, granitic high elevation outcrop, coniferous forest, open headland, (at top) jack pine, blueberry, huckleberry, lots of exposed granite bedrock; (E on trail) spruce/fir, birch, moss, dense canopy, Red Spruce–Balsam Fir Forest Alliance.
- Site 37, West Loop Road near Schoodic Point Road, 44.33971, -68.05737, 6 m, coniferous forest, spruce/fir, cedar, moss covered boulders, complete canopy cover, no understory, Red Spruce–Balsam Fir Forest Alliance.
- Site 38, Mosquito Harbor Point by road, 44.37472, -68.07134, 2 m, scrub/shrub, old field, roadside, grasses, goldenrod, alders, larch, spruce, Mixed Deciduous Shrubland.

- Site 39, Anvil Trail at East Loop Road, 44.34011, -68.04487, 11 m, coniferous forest, open headland, roadside, spruce, bayberry, huckleberry, rocky outcrops, steep E facing slope, grasses along road shoulder, Red Spruce–Balsam Fir Forest Alliance.
- Site 43, East Loop Road, 1.2 km NE junction with Schoodic Head Road, 44.34202, -68.04407, 13 m, open headland, roadside, spruce, crowberry, blueberry, creeping juniper, granitic outcrop, Red Spruce–Balsam Fir Forest Alliance.
- Site 44, Schoodic Head Drive at Acadia Drive, coastal area, 44.33655, -68.05657, 3 m, coastal shoreline, open headland, roadside, grasses, beach pea, few spruce trees, cobble boulder beach, Open Headland–Beach Strand.
- Site 45, Schoodic Point, 0.3 km NW of parking area, 44.33379, -68.06364, 6 m, open headland, coastal shoreline, coniferous forest, crowberry, huckleberry, bayberry, lots of exposed granite, fringed by spruce, Open Headland–Beach Strand.
- Site 46, Sundew Trail, Big Moose Island, 44.34047, -68.06132 to 44.34063, -68.06550, 6.4–28 m, scrub/shrub, freshwater wetland, small spruce, alders, wetland vegetation, Red Spruce–Balsam Fir Forest Alliance.
- Site 47, West Loop Road, 3 km S Frazer Point, fen, 44.34830, -68.07106, 21 m, Fen Complex.
- Site 48, Frazer Creek, intertidal area, 44.37093, -68.06621, 3 m, Tidal Mud Flat.
- Site 52, Frazer Creek, forest nearby, 44.37053, -68.06719, 18 m, Red Spruce – Balsam Fir Forest Alliance.
- Site 53, West Loop Road, intertidal area 0.4 km SE Blueberry Hill Road, 44.34442, -68.06392 to 44.37093, -68.06621, 2.1–2.9 m, coastal shoreline, roadside, high intertidal, sedges, fringed by spruce/fir, Tidal Algal Zone.
- Site 54, Big Moose Island Lagoon at Powerline Trail, 44.34000, -68.05630, 2 m, Fen Complex.
- Site 55, 0.4 km NE junction Loop Road and Schoodic Head Road, fen, 44.33959, -68.05175, 15 m, Alder Shrubland.
- Site 56, Big Moose Island Lagoon, SE end, 44.33863, -68.05432, 3 m, Tidal Marsh.
- Site 57, West Loop Road, junction with Powerline Trail on Big Moose Island, 44.33929, -68.05658, 5 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 58, Alder Trail, E end, 44.33911, -68.04792, 8 m, Mixed Deciduous Shrubland.
- Site 59, Alder Trail, E end, 44.35352, -68.04769, 11 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 60, East Loop Road, NE corner of park, Wonqueak Pond, 44.36254, -68.04131, 5 m, Open Water–Deep Marsh Complex.
- Site 61, Mosquito Harbor Point, 44.37526, -68.07155, 3 m, Mixed Deciduous Shrubland.
- Site 62, Powerline Trail, near Frazer Creek, 44.37325, -68.07031, 6 m, Red Spruce–Balsam Fir Forest Alliance.

- Site 63, Powerline Trail, 0.2 km S Frazer Creek, 44.37220, -68.07082, 13 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 64, off of Powerline Trail, 0.3 km S Frazer Creek, 44.37105, -68.06997, 16 m, Conifer Swamp Woodland (white cedar phase).
- Site 65, West Loop Road, S of stream by Blueberry Hill Road, 44.34563, -68.06600, 5 m, Open Headland–Beach Strand.
- Site 66, Schoodic Head summit, 44.34990, -68.05313, 129 m, Jack Pine Woodland.
- Site 67, Big Moose Island N side, intratidal area, 44.34232, -68.06302, 4 m, Tidal Algal Zone.
- Site 68, Big Moose Island N side, spruce/fir forest, 44.34142, -68.06252, 8 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 69, Schooner Club Lane, SERC, Big Moose Island, 44.33958, -68.06031, 21 m, Commercial and Services.
- Site 70, Sundew Trail, near N end, Big Moose Island, 44.33997, -68.06356, 15 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 71, Schoodic Point parking area, 44.33309, -68.06051, 16 m, Commercial and Services.
- Site 72, Alder Trail, middle, 44.34081, -68.05073, 19 m, Mixed Deciduous Shrubland.
- Site 73, West Loop Road, 3 km S Frazer Point, fen, 44.34849, -68.07118, 21 m, Fen Complex.
- Site 74, West Loop Road, 1.9 km S Frazer Point, 44.35803, -68.07555, 11 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 75, Schoodic Point area, 44.33348, -68.05988, 20 m, Jack Pine Woodland.
- Site 76, West Loop Road, salt marsh at Big Moose Island Lagoon, 44.34245, -68.05991, 2 m, Tidal Marsh.
- Site 77, West Loop Road, 3 km S Frazer Point, fen, 44.34834, -68.07120, 21 m, Fen Complex.
- Site 78, Powerline Trail, near Frazer Creek, 44.37341, -68.07016, 5 m, Mixed Deciduous Shrubland.
- Site 79, Schoodic Point Road, NE of parking area, 44.33397, -68.05877, 7 m, coastal shoreline, open headland, roadside, grasses, beach pea, few spruce trees, cobble boulder beach, Red Spruce–Balsam Fir Forest Alliance.
- Site 80, West Loop Road, 0.7 km S Frazer Point, 44.36921, -68.07694, 5 m, coniferous forest, roadside, spruce/fir, some hardwoods, grasses along road, Red Spruce–Balsam Fir Forest Alliance.
- Site 81, Big Moose Island, coastal area S of East Loop Road, 44.33805, -68.05464, 3 m, coastal shoreline, pond shoreline, salt pond, cobble boulder beach, overwash area; sedges, grasses, herbaceous vegetation, Tidal Algal Zone.

- Site 83, East Loop Road, NE corner of park, coastal area across road from fresh-water pond, 44.36207, -68.04107, 3 m, coastal shoreline, beach pea, cobble boulder beach, Tidal Algal Zone.
- Site 84, West Loop Road, 1.5 km S Frazer Point, 44.36149, -68.07672, 7 m, coniferous forest, open headland, roadside, spruce/fir, alder, crowberry and other low shrubs, grasses along road shoulder, Open Headland–Beach Strand.
- Site 85, Schoodic Head Road from start to powerlines, 44.34635, -68.06237, 44.34871, -68.06189, 12.6–34.7 m, line length 304.77m, Red Spruce–Balsam Fir Forest Alliance.
- Site 86, East Loop Road, entrance “Panty Lane,” 44.36117, -68.04513, 7 m, coniferous forest, Red Spruce–Balsam Fir Forest Alliance.
- Site 87, East Loop Road, 0.6 km E junction Schoodic Head Road, 44.33837, -68.04830, 5 m, coastal shoreline, open headland, roadside, beach pea, bayberry, alders, a few small spruce, exposed granite, cobble boulder beach, Blueberry Bald–Summit Shrubland Complex.
- Site 88, East Loop Road, 0.6 km E junction Schoodic Head Road, 44.33834, -68.04839, 5 m, Blueberry Bald–Summit Shrubland Complex.
- Site 89, East Loop Road, Blueberry Hill Lane, 44.33894, -68.04555, 8 m, Commercial and Services.
- Site 90, North side Frazer Inlet near road, 44.375149, -68.069919, 4 m, coastal shoreline, roadside shoulder, beach pea, bayberry, alders, exposed granite cobble beach; Open Headland–Beach Strand.
- Site 92, Big Moose Island, N end, 0.4 km W lagoon, 44.34188, -68.06521, 3 m, salt marsh, open headland, *Spartina*, alder, bayberry, goldenrod, sheltered cove, a few interspersed spruce, Mixed Grass–Forb.
- Site 93, Loop Road junction with Schoodic Head Road, 44.33859, -68.05596, 5 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 94, Blueberry Hill Road, E end, 44.34431, -68.05617, 24 m, Mixed Deciduous Shrubland.
- Site 95, Mosquito Harbor Point, 44.37515, -68.07179, 3 m, Mixed Deciduous Shrubland.
- Site 96, Big Moose Island N side, intratidal area, 44.34279, -68.06215, 0 m, Tidal Algal Zone.
- Site 97, Powerline Trail by Frazer Creek, 44.37350, -68.07026, 4 m, Mixed Deciduous Shrubland.
- Site 98, Powerline Trail, 0.4 km S Frazer Creek, 44.37049, -68.07159, 17 m, Conifer Swamp Woodland (spruce-mixed phase).
- Site 99, Powerline Trail, 0.5 km S Frazer Creek, 44.37000, -68.07175, 18 m, Conifer Swamp Woodland (spruce-mixed phase).
- Site 101, East Loop Road, 1.6 km NE junction with Schoodic Head Road, 44.34598, -68.04572, 10 m, Red Spruce–Balsam Fir Forest Alliance.



- Site 102, Anvil Trail at East Loop Road, 44.34011, -68.04487, 11 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 103, Powerline Trail, 1 km S Frazer Creek, pond, 44.36552, -68.07114, 21 m.
- Site 104, S end of Blueberry Hill Road, pond, 44.34425, -68.07114, 17 m.
- Site 105, Powerline Trail, 1 km S Frazer Creek, 44.36454, -68.07119, 22 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 106, Powerline Trail, 0.7 km S Frazer Creek, 44.36714, -68.07195, 21 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 107, Powerline Trail, 0.5 km S Frazer Creek, 44.36975, -68.07180, 19 m, Conifer Swamp Woodland (spruce-mixed phase).
- Site 108, Powerline Trail, 0.9 km S Frazer Creek, 44.36542, -68.07143, 21 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 109, Powerline Trail, 0.9 km S Frazer Creek, 44.36569, -68.07159, 21 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 110, Powerline Trail, 0.7 km S Frazer Creek, 44.36741, -68.07189, 21 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 111, West Loop Road, salt marsh at Big Moose Island Lagoon, 44.34239, -68.05951, 2 m, salt marsh, spartina fringed by spruce trees, Tidal Marsh.
- Site 113, East Loop Road, 2.7 km N from junction Schoodic Head Road, 44.35620, -68.04664, 6 m, open headland, roadside, spruce, crowberry, blueberry, creeping juniper, granitic outcrop, Open Headland–Beach Strand.
- Site 114, the Anvil, summit, 44.34207, -68.04636, 57 m, Jack Pine Woodland.
- Site 115, Sundew Trail, SE end, Big Moose Island, 44.33671, -68.06488, 22 m, open headland, scrub/shrub, coniferous forest, crowberry, huckleberry, bayberry, fringed by spruce, Red Spruce–Balsam Fir Forest Alliance.
- Site 116, Schoodic Point, 0.5 km NW parking area, 44.33548, -68.06666, 3 m, open headland, coastal shoreline, coniferous forest, crowberry, huckleberry, bayberry, lots of exposed granite, fringed by spruce, Tidal Algal Zone.
- Site 117, Powerline Trail, 0.2 km NW Schoodic Head Road, 44.35061, -68.06360, 38 m, scrub/shrub, freshwater wetland, old field succession, powerline right of way, chest high alders, moss, sedges, individual small spruce, small wetlands, Red Spruce–Balsam Fir Forest Alliance.
- Site 118, West Loop Road, small stream before Big Moose Island Lagoon, 44.34370, -68.06010, 4 m, freshwater wetland, scrub/shrub, coniferous forest, roadside, small flowing stream with wetland vegetation, fringed by alders, *Spiraea* and spruce, Mixed Deciduous Shrubland.
- Site 119, Anvil Trail, NE side of the Anvil, 44.34280, -68.04729, 41 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 120, Alder Trail, W end, 44.34373, -68.05511, 29 m, scrub/shrub, roadside, 10 ft alders, red maple, mountain ash, grasses on path, wet areas, Mixed Deciduous Shrubland.

- Site 121, between Anvil and Alder Trails, 44.34395, -68.05136, 47 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 122, Anvil Trail, SE side of the Anvil, 44.34087, -68.04557, 37 m, Jack Pine Woodland.
- Site 123, the Anvil, summit, 44.34134, -68.04574, 55 m, Jack Pine Woodland.
- Site 124, Anvil Trail, halfway between Schoodic Head and the Anvil, 44.34627, -68.05064, 72 m, coniferous forest, forested wetland, spruce/fir, closed canopy, moss covered boulders, lots of downed coarse woody debris, wet pocket in draw, Red Spruce–Balsam Fir Forest Alliance.
- Site 125, West Loop Road, junction with Powerline Trail on Big Moose Island, 44.33938, -68.05645, 4 m, coniferous forest, spruce/fir, cedar, moss covered boulders, complete canopy cover, no understory, Conifer Swamp Woodland (white cedar phase).
- Site 126, Alder Trail, middle, 44.34234, -68.05270, 23 m, Mixed Deciduous Shrubland.
- Site 127, Anvil Trail, SE side of the Anvil, 44.34087, -68.04557, 37 m, Jack Pine Woodland.
- Site 128, Blueberry Hill Road, E end, 44.34430, -68.05665, 18 m, Mixed Deciduous Shrubland.
- Site 130, Alder Trail, E end, 44.33965, -68.04928, 15 m, Mixed Deciduous Shrubland.
- Site 131, SERC, Big Moose Island, 44.33829, -68.06237, 27 m, Commercial and Services.
- Site 132, Frazer Point, 44.37539, -68.07580, 3 m, picnic area, roadside, turf/grass, alders, some hardwood and coniferous trees, Open Headland–Beach Strand.
- Site 133, 1.9 km S Frazer Point, West Loop Road, unnamed stream riparian area, 44.35762, -68.07237, 18 m, freshwater wetland, scrub/shrub, sedges, mosses, alder, birch, standing water, Conifer Swamp Woodland (spruce-mixed phase).
- Site 134, Sundew Trail, SE end, Big Moose Island, 44.33658, -68.06382, 24 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 135, Schoodic Head Road at Powerline Trail, 44.34866, -68.06205, 33 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 136, Alder Trail, W end, 44.34358, -68.05454, 31 m, Mixed Deciduous Shrubland.
- Site 139, SERC, Big Moose Island, 44.33512, -68.06166, 25 m, Commercial and Services.
- Site 140, Powerline Trail, 0.7 km S Frazer Creek, 44.36796, -68.07217, 21 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 141, Schoodic Head Road at Powerline Trail, 44.34866, -68.06198, 34 m, Red Spruce–Balsam Fir Forest Alliance.

- Site 142, East Loop Road, NE corner of park, E end freshwater pond, 44.36280, -68.03982, 6 m, Open Water–Deep Marsh Complex.
- Site 147, Sundew Trail, coastal area off of trail, Big Moose Island, 44.34070, -68.06557, 0 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 148, West Loop Road, 0.7 km S Frazer Point, 44.36961, -68.07732, 3 m, Tidal Algal Zone.
- Site 149, Mosquito Harbor Point, 44.37499, -68.07168, 2 m, Tidal Algal Zone.
- Site 151, Big Moose Island, NW coast, 44.34084, -68.06822, 0 m, coastal shoreline, cobble boulder beach, goldenrod, grasses, salt tolerant vegetation at top of boulder beach, fringed by spruce/fir, Ocean–Bay–Estuary (non-vegetated).
- Site 152, Ravens Nest coastal area, West Loop Road, 2.7 km S Frazer Point, 44.35250, -68.07486, 9 m, open headland, crowberry, creeping juniper, bunchberry, exposed granitic bedrock on cliffs above shoreline (raven's nest), Tidal Algal Zone.
- Site 153, Big Moose Island, NW coast, 44.34066, -68.06777, 3 m, Open Headland–Beach Strand.
- Site 154, Big Moose Island, NW coast, 44.33989, -68.06752, 4 m, Open Headland–Beach Strand.
- Site 155, 0.2 km SE Blueberry Hill Road, intertidal area, 44.34407, -68.06544, 3 m, Tidal Algal Zone.
- Site 156, “Panty Lane,” off of East Loop Road, 44.36145, -68.04367, 10 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 165, West Loop Road, rocks across from Ned Island (=Site 148), 44.36921, -68.07694, 3 m, Tidal Algal Zone.
- Site 7450, Blueberry Hill Road, E end, 44.34440, -68.05610, 24 m, Mixed Deciduous Shrubland.
- Site 7451, Blueberry Hill Road, E end, 44.34440, -68.05610, 24 m, Mixed Deciduous Shrubland.
- Site 7452, Little Moose Island, NW point, 44.33570, -68.05120, 6 m, Crowberry–Bayberry Headland.
- Site 7453, East Loop Road, junction with Alder Trail, 44.33890, -68.04619, 6 m, Commercial and Services.
- Site 7454, East Loop Road, coastal area near E end Anvil Trail, 44.33960, -68.04480, 7 m, Open Headland–Beach Strand.
- Site 7455, East Loop Road, 1.6 km NE junction with Schoodic Head Road, 44.34630, -68.04560, 5 m, Open Headland–Beach Strand.
- Site 7456, East Loop Road, 2 km from junction with Schoodic Head Road, 44.35020, -68.04600, 6 m, Open Headland–Beach Strand.
- Site 7457, East Trail at East Loop Road, 44.35230, -68.04711, 12 m, Open Headland–Beach Strand.

- Site 7458, East Loop Road, 2.7 km N from junction Schoodic Head Road, 44.35670, -68.04670, 6 m, Tidal Algal Zone.
- Site 7459, East Loop Road, Blueberry Hill Lane, 44.33760, -68.04670, 0 m, Tidal Algal Zone.
- Site 7460, East Loop Road, Buck Cove, 44.36050, -68.04581, 3 m, Tidal Algal Zone.
- Site 7461, East Loop Road, park boundary with Wonsqueak Harbor, 44.36530, -68.03850, 0 m, Tidal Algal Zone.
- Site 7462, Frazer Creek at Road, 44.37450, -68.07080, 3 m, Tidal Mud Flat.
- Site 7463, Frazer Point, near West Loop Road, 44.37440, -68.07410, 9 m, Mixed Deciduous Shrubland.
- Site 7464, Powerline Trail near Frazer Creek, 44.37270, -68.06980, 11 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 7465, West Loop Road, 0.7 km S Frazer Point, 44.36911, -68.07709, 4 m, Open Headland–Beach Strand.
- Site 7466, West Loop Road, 1.6 km S Frazer Point, 44.35950, -68.07691, 0 m, Tidal Algal Zone.
- Site 7467, West Loop Road, 2.8 km S Frazer Point, 44.35130, -68.07230, 29 m, Jack Pine Woodland.
- Site 7468, West Loop Road at Blueberry Hill Road, 44.34600, -68.06660, 4 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 7469, Cabin Lane, SERC, Big Moose Island, 44.33790, -68.06170, 28 m, Commercial and Services.
- Site 7470, West Loop Road, S of unnamed stream at Blueberry Hill Road, 44.34570, -68.06630, 3 m, Tidal Algal Zone.
- Site 7471, West Loop Road, salt marsh at Big Moose Island Lagoon, 44.34290, -68.05990, 3 m, Tidal Marsh.
- Site 7472, N end Myrick Drive, baseball field, Big Moose Island, 44.34060, -68.06051, 19 m, Commercial and Services.
- Site 7473, Frazer Point, 44.37520, -68.07520, 8 m, Commercial and Services.
- Site 7474, Loop Road junction with Schoodic Head Road, 44.33890, -68.05631, 6 m, Red Spruce–Balsam Fir Forest Alliance.
- Site 7475, East Loop Road, park boundary with Wonsqueak Harbor, 44.36530, -68.03847, 0 m, Tidal Algal Zone.
- Site 7476, Frazer Creek at Road, 44.37480, -68.07050, 3 m, Tidal Mud Flat.
- Site 7477, Acadia National Park, Schoodic Peninsula (general statement), 44.35690, -68.06090, 43 m, Red Spruce–Balsam Fir Forest Alliance

## Appendix 2: Collection data for the insects and arachnids taken during the bioblitzes

Orders organized by standard phylogenetic sequence with spiders first, except that the “minor” orders identified by D.S. Chandler are grouped together after the Collembola. Families and species are organized alphabetically within the orders.

### Class Arachnida

#### Order Araneae—the spiders

Daniel R. Jennings, US Forest Service (retired) and Richard A. Bradley, the Ohio State University, Marion, OH.

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#### AGELENIDAE

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##### *Agelenopsis* sp.

Site 1 7/21/2007 R.A. Bradley, by hand, road shoulder

##### *Agelenopsis utahana* (Chamberlin & Ivie)

Site 1 7/21/2007 R.A. Bradley, by hand, road shoulder

7/22/2007 J. Mays, by hand, road shoulder

Site 46 7/22/2007 D.S. Chandler, barrier pitfall trap, *Ribes* patch

Site 66 7/22/2007 J. McKenna, tube pitfall trap

Site 7477 7/21/2007

##### *Tegenaria domestica* (Clerck)

Site 1 7/21/2007 J. McDade, aspirator

##### *Wadotes calcaratus* (Keyserling)

Site 66 7/22/2007 J. McKenna, pitfall cups

Site 69 7/21/2007 D.T. Jennings, pitfall tubes

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#### AMAUROBIIDAE

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##### *Callobius bennetti* (Blackwall)

Site 1 7/21/2007 C. Homer, hand collecting, night walk

Site 8 7/21/2007 R. Engel, by hand, spruce and birch

Site 31 7/22/2007 S. Long, by hand

Site 36 7/21/2007 J. Rykken, by hand, mixed habitats along trail

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#### ARANEIDAE

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##### *Araneus juniperi* (Emerton)

Site 18 7/22/2007 D. Michaud, sweeping, hand picking

##### *Araneus marmoreus* Clerck

Site 1 7/21/2007 J. McDade, aspirator

##### *Araneus nordmanni* (Thorell)

Site 36 7/21/2007 J. Rykken, by hand, mixed habitats along trail

##### *Araneus* sp.

Site 1 7/21/2007 C. Homer, hand collecting, night walk

##### *Araneus trifolium* (Hentz)

Site 31 7/22/2007 S. Long, sweeping

Site 64 7/21/2007 F. Graham, pitfall cups, cattail swamp

##### *Araniella displicata* (Hentz)

Site 1 7/21/2007 C. Teerling, by hand

	7/21/2007	M.E. Mazurkiewicz, by hand, Schooner club area
Site 14	7/21/2007	J. Ripp, by hand and net, coniferous forest/meadow
<i>Cyclosa conica</i> (Pallas)		
Site 1	7/21/2007	A. Alyokhin, by hand, roadside vegetation, mostly spruce trees
	7/21/2007	C. Homer, hand collecting, night walk
	7/21/2007	L. Navarro, aspirator
Site 3	7/22/2007	A. Alyokhin, by hand, shrubs and rocky beach
Site 11	7/22/2007	M. Crain, sweeping
Site 14	7/22/2007	J. Warfel, beating
Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 22	7/21/2007	J. Warfel, vial/hand collected, webs between boulders
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
	7/22/2007	S. Long, by hand
Site 36	7/21/2007	D. Michaud, sweeping, hand picking
	7/21/2007	J. Rykken, by hand, mixed habitats along trail
Site 46	7/21/2007	R. Engel, by hand, on spruce tree
Site 68	7/21/2007	C. Homer, by hand, dead birch trees, standing and on ground
Site 7477	7/21/2007	
<i>Hypsosinga pygmaea</i> (Sundevall)		
Site 39	7/21/2007	D.S. Chandler, sweep vegetation
Site 81	7/21/2007	J. Rykken, sweeping, grasses and sedges around brackish pond
<i>Larinioides patagiatus</i> (Clerck)		
Site 1	7/21/2007	C. Homer, hand collecting, night walk
	7/21/2007	E. & M. Mazurkiewicz, by hand, on outside of ice rink
	7/22/2007	C. Homer, by hand, along road
Site 13	7/22/2007	J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens
		D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 36	7/21/2007	J. Rykken, by hand, mixed habitats along trail
<i>Neoscona arabesca</i> (Walckenaer)		
Site 3	7/21/2007	R. Engel, sweeping
	7/22/2007	K. Woo & D. Vacca, sweeping
Site 4	7/22/2007	D. Bourque, sweeping
Site 5	7/21/2007	C. Rallis & J.S. Weaver, sweeping, bog
	7/22/2007	D. Bourque, sweeping
Site 6	7/21/2007	P. Loboizzo, sweeping
	7/22/2007	C. Rallis & J.S. Weaver, sweeping
Site 9	7/21/2007	C. Rallis, sweeping
Site 11	7/21/2007	D.S. Chandler, sweeping
Site 14	7/21/2007	S. Colwell, hand collecting, sweep net, beating sheet
	7/22/2007	J. Warfel, beating
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
Site 19	7/21/2007	R.E. Nelson, beating
	7/21/2007	R.E. Nelson, sweeping
Site 20	7/22/2007	J. McDade, sweeping
Site 21	7/21/2007	D. Bourque, sweeping
	7/21/2007	D. Michaud, sweeping, hand picking
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
Site 36	7/21/2007	D. Michaud, sweeping, hand picking
Site 39	7/21/2007	D.S. Chandler, sweep vegetation
Site 55	7/22/2007	C. Donahue, sweeping, hanging bog
Site 67	7/22/2007	C. Homer, sweeping
<i>Zygella</i> sp.		
Site 1	7/21/2007	R.A. Bradley, by hand

**CLUBIONIDAE***Clubiona bishopi* Edwards

Site 1	7/21/2007	B. Arsenault, sweeping
	7/21/2007	G. DenDanto, sweeping, roadside vegetation

	7/22/2007	C. Homer, by hand, along road
	7/22/2007	J. Mays, by hand, road shoulder
Site 5	7/21/2007	C. Rallis & J.S. Weaver, sweeping, bog
Site 14	7/21/2007	J.S. Weaver, sweeping
	7/22/2007	J. Warfel, beating
Site 22	7/22/2007	W.S. Urquhart, sweeping, ground cover along road
Site 31	7/22/2007	S. Long, sweeping
Site 66	7/22/2007	J. McKenna, tube pitfall trap
Site 69	7/21/2007	D.T. Jennings, pitfall tubes
Site 70	7/21/2007	M. Crain, sweeping
Site 71	7/21/2007	M. Crain, sweeping
Site 84	7/22/2007	W.S. Urquhart, sweeping, ground cover in fir stand
<i>Clubiona canadensis</i> Emerton		
Site 1	7/19/2007	R.A. Bradley, by hand, spruce understory and near buildings
	7/21/2007	C. Homer, hand collecting, night walk
	7/21/2007	F. Graham, by hand, on bark of <i>Betula papyrifera</i>
	7/21/2007	K. Hopkins, by hand, Schooner Club lights
	7/21/2007	L. Navarro, aspirator
	7/21/2007	T. Edgar, by hand
Site 11	7/21/2007	D.S. Chandler, sweeping
Site 14	7/22/2007	J. Warfel, beating
Site 36	7/21/2007	D. Michaud, sweeping, hand picking
	7/21/2007	J. Rykken, by hand, mixed habitats along trail
Site 85	7/22/2007	R.E. Nelson, sweeping weeds, shrubs, and low conifers, spruce, hemlock, fir forest
<i>Clubiona riparia</i> L. Koch		
Site 20	7/22/2007	J. McDade, sweeping
Site 67	7/21/2007	C. Homer, beating, and shaking conifers and grasses by hand, salt meadow
Site 7477	7/21/2007	
<b>CORINNIDAE</b>		
<i>Phrurotimpus borealis</i> (Emerton)		
Site 1	7/21/2007	R.A. Bradley, by hand
	7/23/2007	R.A. Bradley, by hand
Site 62	7/21/2007	F. Graham, maple stand next to utility road, first traps in <i>Sphagnum</i>
Site 7477	7/21/2007	
<b>DICTYNIDAE</b>		
<i>Argenna obesa</i> Emerton		
Site 16	7/22/2007	D.S. Chandler, barrier pitfall trap, salt marsh
<i>Cicurina brevis</i> (Emerton)		
Site 8	7/21/2007	R. Engel, by hand, spruce and birch
Site 14	7/21/2007	J. Ripp, by hand and net, coniferous forest/meadow
Site 22	7/22/2007	D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest
Site 36	7/21/2007	D. Bourque, by hand
	7/21/2007	D. Michaud, sweeping, hand picking
Site 68	7/21/2007	D.T. Jennings, tube pitfall trap
Site 70	7/21/2007	D.T. Jennings, pitfall cups
Site 72	7/21/2007	J. McKenna, cup pitfall trap
<i>Cicurina placida</i> Banks		
Site 59	7/21/2007	J. McKenna, cup pitfall trap
<i>Lathys pallida</i> (Marx)		
Site 75	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, jack pine, <i>Vaccinium</i> , spruce
<i>Phantyna bicornis</i> (Emerton)		
Site 36	7/21/2007	D. Bourque, by hand

**GNAPHOSIDAE***Callilepis pluto* Banks

Site 18 7/22/2007 D. Michaud, sweeping, hand picking

*Drassyllus eremitus* Chamberlin

Site 64 7/21/2007 F. Graham, pitfall cups, cattail swamp

*Gnaphosa brumalis* Thorell

Site 20 7/22/2007 J.S. Weaver, pitfall trap, just above intertidal zone

*Gnaphosa muscorum* (L. Koch)

Site 36 7/21/2007 D. Bourque, by hand

*Micaria gertschi* Barrows & Ivie

Site 76 7/17/2007 J. McKenna & D.T. Jennings, litter, Tullgren funnel, *Spartina patens*, *Distichilis* sp.

*Micaria pulicaria* (Sundevall)

Site 11 7/22/2007 D.S. Chandler, barrier pitfall trap, meadow by small stream

Site 31 7/21/2007 R.E. Nelson, by hand

7/22/2007 S. Long, by hand

Site 61 7/21/2007 F. Graham, tube pitfall trap, grassy understory, young, sparse broadleaf trees and shrubs

Site 7477 7/21/2007

*Sergiolus ocellatus* (Walckenaer)

Site 46 7/21/2007 R. Engel, aspirator and by hand, shoreline

Site 71 7/21/2007 M. Crain, sweeping

*Zelotes fratris* Chamberlin

Site 8 7/21/2007 M. Tomlinson, beating

Site 13 7/21/2007 C. Shaw & S. Beccue, by hand, understory in spruce forest with some rocky outcroppings

Site 14 7/21/2007 E. Arsenaault, by hand

Site 46 7/21/2007 R. Engel, aspirator and by hand, shoreline

**HAHNIIDAE***Antistea brunnea* (Emerton)

Site 22 7/22/2007 D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest

Site 57 7/21/2007 C. Donahue, pitfall cups, white cedar wetland

7/21/2007 C. Donahue, tube pitfall trap, white cedar wetland

Site 64 7/21/2007 F. Graham, tube pitfall trap, cattail swamp

Site 70 7/21/2007 D.T. Jennings, pitfall cups

Site 77 7/17/2007 J. McKenna & D.T. Jennings, litter, Tullgren funnel, black spruce bog with black spruce, rushes, cotton grass, *Sphagnum*, shrubs

*Cryphoea montana* Emerton

Site 22 7/22/2007 D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest

*Hahnia cinerea* Emerton

Site 21 7/21/2007 J.S. Weaver, by hand

*Neoantistea agilis* (Keyserling)

Site 65 7/21/2007 C. Donahue, pitfall cups, tidal marsh at base of Schoodic Head

*Neoantistea magna* (Keyserling)

Site 9 7/22/2007 J.S. Weaver, pitfall trap, jack pine area

Site 14 7/21/2007 J. Ripp, by hand and net, coniferous forest/meadow

Site 22 7/22/2007 D.S. Chandler, barrier pitfall trap, along forest stream

Site 27 7/21/2007 R.E. Nelson, sifting-berlesing, mixed duff from beneath *Acer rubrum*, *Alnus rugosa*, *Picea glauca* and shrub canopy

Site 31 7/21/2007 R.E. Nelson, by hand

Site 46 7/22/2007 D.S. Chandler, barrier pitfall trap, spruce/fir forest understory

Site 59 7/21/2007 J. McKenna, cup pitfall trap

Site 62 7/21/2007 F. Graham, pitfall cups, maple stand near utility road



Site 63	7/21/2007	F. Graham, pitfall cups, <i>Sphagnum</i> in regenerating fir stand
Site 64	7/21/2007	F. Graham, pitfall cups, cattail swamp
Site 69	7/21/2007	D.T. Jennings, pitfall cups
	7/21/2007	D.T. Jennings, pitfall tubes
Site 70	7/21/2007	D.T. Jennings, pitfall cups

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**LINYPHIIDAE: Linyphiinae**


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*Bathyphantes pallidus* (Banks)

Site 11	7/22/2007	D.S. Chandler, barrier pitfall trap, meadow by small stream
Site 14	7/21/2007	E. Arsenault, aspirator
Site 22	7/21/2007	D.S. Chandler, sifting-berlesing, forest litter
	7/22/2007	D.S. Chandler, barrier pitfall trap, along forest stream
Site 55	7/21/2007	C. Donahue, pitfall tubes, hanging bog
Site 57	7/21/2007	C. Donahue, pitfall cups, white cedar wetland
Site 62	7/21/2007	F. Graham, maple stand next to utility road, first traps in <i>Sphagnum</i>
Site 65	7/21/2007	C. Donahue, pitfall cups, tidal marsh at base of Schoodic Head
	7/21/2007	C. Donahue, pitfall tubes, tidal marsh
Site 67	7/21/2007	D.T. Jennings, tube pitfall trap
Site 69	7/21/2007	D.T. Jennings, pitfall cups
Site 70	7/21/2007	D.T. Jennings, pitfall cups
	7/21/2007	D.T. Jennings, pitfall tubes
Site 71	7/21/2007	D.T. Jennings, pitfall tubes
Site 7477	7/21/2007	

*Centromerus persolatus* (Pickard-Cambridge)

Site 27	7/21/2007	R.E. Nelson, sifting-berlesing, mixed duff from beneath <i>Acer rubrum</i> , <i>Alnus rugosa</i> , <i>Picea glauca</i> and shrub canopy
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*Diplostyla concolor* (Wider)

Site 22	7/21/2007	D.S. Chandler, sifting-berlesing, forest litter
Site 61	7/21/2007	F. Graham, pitfall cups, grassy understory, young sparse broadleaf trees and shrubs
Site 71	7/21/2007	D.T. Jennings, pitfall tubes

*Estrandia grandaeva* (Keyserling)

Site 8	7/21/2007	M. Tomlinson, beating
Site 67	7/21/2007	C. Homer, beating, and shaking conifers and grasses by hand, salt meadow

*Frontinella communis* (Hentz)

Site 9	7/21/2007	C. Rallis, sweeping
Site 19	7/21/2007	R.E. Nelson, sweeping
Site 21	7/21/2007	K. Hopkins, sweeping, trees
Site 7477	7/21/2007	

*Incestophantes duplicatus* (Emerton)

Site 1	7/21/2007	C. Homer, hand collecting, night walk
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*Lepthyphantes alpinus* (Emerton)

Site 14	7/21/2007	S. Colwell, hand collecting, sweep net, beating sheet
Site 25	7/22/2007	J.S. Weaver, pitfall trap, near old ranger station
Site 31	7/22/2007	S. Long, by hand
Site 72	7/21/2007	J. McKenna, cup pitfall trap

*Lepthyphantes turbatrrix* (Pickard-Cambridge)

Site 1	7/21/2007	A. Alyokhin, by hand, playground next to bunkhouse
	7/21/2007	C. Homer, hand collecting, night walk
Site 14	7/21/2007	E. Arsenault, by hand
	7/21/2007	J. Ripp, by hand and net, coniferous forest/meadow
Site 36	7/21/2007	J. Sachs, by hand, rocky area/coniferous trees
Site 7477	7/21/2007	

*Linyphia triangularis* (Clerck)

Site 14	7/21/2007	E. Arsenault, aspirator
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*Meioneta simplex* (Emerton)

Site 14	7/21/2007	J.S. Weaver, sweeping
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*Meioneta unimaculata* (Banks)

- Site 65 7/21/2007 C. Donahue, pitfall cups, tidal marsh at base of Schoodic Head  
7/21/2007 C. Donahue, pitfall tubes, tidal marsh

*Meioneta zygia* (Keyserling)

- Site 57 7/21/2007 C. Donahue, pitfall cups, white cedar wetland

*Microlinyphia mandibulata* (Emerton)

- Site 19 7/21/2007 R.E. Nelson, sweeping  
Site 20 7/22/2007 A. Russell, by hand, blueberry bushes and between rocky crevices

*Microneta viaria* (Blackwell)

- Site 27 7/21/2007 R.E. Nelson, sifting-berlesing, mixed duff from beneath *Acer rubrum*, *Alnus rugosa*, *Picea glauca* and shrub canopy

*Neriene radiata* (Walckenaer)

- Site 14 7/21/2007 J. Ripp, by hand and net, coniferous forest/meadow  
7/22/2007 J. Warfel, beating  
Site 36 7/21/2007 D. Michaud, sweeping, hand picking

*Pityohyphantes subarcticus* Chamberlin & Ivie

- Site 46 7/21/2007 R. Engel, beating, shoreline

*Poecilonea bihamatus* (Emerton)

- Site 1 7/21/2007 C. Homer, hand collecting, night walk

*Poecilonea calcaratus* (Emerton)

- Site 71 7/21/2007 D.T. Jennings, pitfall tubes

*Tenuiphantes zebra* (Emerton)

- Site 46 7/21/2007 R. Engel, aspirator and by hand, shoreline

*Wubana pacifica* (Banks)

- Site 68 7/21/2007 D.T. Jennings, cup pitfall trap, spruce fir

**LINYPHIIDAE: Erigoninae***Ceraticelus atriceps* (Pickard-Cambridge)

- Site 19 7/21/2007 R.E. Nelson, sweeping

*Ceraticelus fissiceps* (Pickard-Cambridge)

- Site 1 7/21/2007 A. Alyokhin, sweeping, roadside vegetation  
7/21/2007 P. Loboizzo, sweeping  
Site 2 7/21/2007 R.E. Nelson, sweeping  
Site 6 7/21/2007 P. Loboizzo, sweeping  
7/22/2007 C. Rallis & J.S. Weaver, sweeping  
Site 9 7/22/2007 C. Donahue, sweeping  
Site 14 7/21/2007 J.S. Weaver, sweeping  
7/21/2007 P. Loboizzo, sweeping  
7/22/2007 J. Warfel, beating  
Site 19 7/21/2007 R.E. Nelson, sweeping  
Site 27 7/21/2007 R.E. Nelson, sifting-berlesing, mixed duff from beneath *Acer rubrum*, *Alnus rugosa*, *Picea glauca*, and shrub canopy  
Site 31 7/22/2007 S. Long, sweeping  
Site 36 7/21/2007 D. Michaud, sweeping, hand picking  
Site 67 7/21/2007 C. Homer, beating, and shaking conifers and grasses by hand, salt meadow

- Site 7477 7/21/2007

*Ceratinella brunnea* Emerton

- Site 9 7/22/2007 J.S. Weaver, pitfall trap, jack pine area  
Site 22 7/21/2007 D.S. Chandler, sifting-berlesing, forest litter  
Site 36 7/21/2007 D. Michaud, sweeping, hand picking  
Site 7477 7/21/2007

*Ceratinops rugosus* (Emerton)

- Site 76 7/17/2007 J. McKenna & D.T. Jennings, litter, Tullgren funnel, *Spartina patens*, *Distichilis* sp.

*Ceratinopsis nigriceps* Emerton

- Site 14 7/21/2007 J.S. Weaver, sweeping

Site 18	7/22/2007	D. Michaud, sweeping, hand picking
<i>Diplocephalus subrostratus</i> (Pickard-Cambridge)		
Site 22	7/21/2007	D.S. Chandler, sifting-berlesing, forest litter
Site 22	7/22/2007	D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest
Site 69	7/21/2007	D.T. Jennings, pitfall tubes
<i>Erigone autumnalis</i> Emerton		
Site 1	7/22/2007	R.A. Bradley, by hand, on ground near bunkhouse
<i>Grammonota angusta</i> Dondale		
Site 6	7/21/2007	P. Loboizzo, sweeping
Site 6	7/22/2007	C. Rallis & J.S. Weaver, sweeping
Site 8	7/21/2007	R. Engel, by hand, spruce and birch
Site 13	7/22/2007	J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens
	7/22/2007	K. Hopkins, sweeping
Site 14	7/21/2007	J. Ripp, by hand and net, coniferous forest/meadow
Site 20	7/21/2007	J.S. Weaver, aspirator
Site 23	7/21/2007	D.S. Chandler, sweeping
Site 46	7/21/2007	D.S. Chandler, sweeping
	7/21/2007	R. Engel, beating, shoreline
<i>Grammonota gigas</i> (Banks)		
Site 11	7/22/2007	D.S. Chandler, barrier pitfall trap, meadow by small stream
Site 55	7/21/2007	C. Donahue, pitfall tubes, hanging bog
Site 62	7/21/2007	F. Graham, pitfall cups, maple stand near utility road
Site 65	7/21/2007	C. Donahue, pitfall cups, tidal marsh at base of Schoodic Head
Site 67	7/21/2007	D.T. Jennings, tube pitfall trap
<i>Hypselistes florens</i> (Pickard-Cambridge)		
Site 4	7/22/2007	D. Bourque, sweeping
Site 5	7/21/2007	C. Rallis & J.S. Weaver, sweeping, bog
Site 6	7/21/2007	P. Loboizzo, sweeping
	7/22/2007	C. Rallis & J.S. Weaver, sweeping
Site 9	7/21/2007	C. Rallis, sweeping
	7/22/2007	C. Donahue, sweeping
Site 11	7/21/2007	D.S. Chandler, sweeping
	7/22/2007	M. Crain, sweeping
Site 14	7/21/2007	E. Arsenault, aspirator
	7/21/2007	J.S. Weaver, sweeping
	7/21/2007	P. Loboizzo, sweeping
	7/21/2007	S. Colwell, hand collecting, sweep net, beating sheet
	7/22/2007	J. Warfel, beating
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
Site 19	7/21/2007	R.E. Nelson, sweeping
Site 20	7/22/2007	C. Rallis, sweeping
Site 22	7/21/2007	D.S. Chandler, sweep vegetation
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
Site 36	7/21/2007	D. Michaud, sweeping, hand picking
<i>Hypselistes</i> sp.		
Site 4	7/22/2007	D. Bourque, sweeping
<i>Mermessus entomologicus</i> (Emerton)		
Site 75	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, jack pine, <i>Vaccinium</i> , spruce
<i>Mermessus trilobatus</i> (Emerton)		
Site 46	7/21/2007	D.S. Chandler, sifting-berlesing, grass litter
<i>Oedothorax trilobatus</i> (Banks)		
Site 64	7/21/2007	F. Graham, pitfall cups, cattail swamp
<i>Pocadicnemis americana</i> Millidge		
Site 1	7/14/2007	M. Line, by hand

Site 3	7/22/2007	D. Michaud, sweeping
Site 8	7/21/2007	M. Tomlinson, beating, spruce and birch
Site 14	7/21/2007	E. Arsenaault, aspirator
	7/21/2007	J.S. Weaver, sweeping
	7/21/2007	S. Colwell, hand collecting, sweep net, beating sheet
Site 20	7/22/2007	C. Rallis, sweeping
Site 22	7/22/2007	W.S. Urquhart, beating, low hanging branches of spruce and fir trees
Site 36	7/21/2007	K. Hopkins, sweeping trees
Site 46	7/21/2007	E. Robertson, sweeping
Site 78	7/17/2007	J. McKenna & D.T. Jennings, litter-Berlese funnel, sugar maple, red maple, gray birch, black cherry litter, deciduous leaves
<i>Satilatlas marxii</i> Keyserling		
Site 56	7/21/2007	C. Donahue, pitfall cups, near marsh
Site 67	7/21/2007	D.T. Jennings, tube pitfall trap
<i>Sciastes truncatus</i> (Emerton)		
Site 63	7/21/2007	F. Graham, pitfall cups, <i>Sphagnum</i> in regenerating fir stand
Site 72	7/21/2007	J. McKenna, cup pitfall trap
<i>Scironis tarsalis</i> (Emerton)		
Site 22	7/21/2007	D.S. Chandler, sifting-berlesing, forest litter
Site 46	7/21/2007	D.S. Chandler, sifting-berlesing, grass litter
<i>Sisicottus montanus</i> (Emerton)		
Site 22	7/21/2007	D.S. Chandler, sifting-berlesing, forest litter
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
Site 75	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, jack pine, <i>Vaccinium</i> , spruce
<i>Sisicus penifusifer</i> Bishop & Crosby		
Site 75	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, jack pine, <i>Vaccinium</i> , spruce
<i>Tapinocyba simplex</i> (Emerton)		
Site 22	7/22/2007	D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest
Site 74	7/17/2007	J. McKenna & D.T. Jennings, litter in Berlese funnel, drain area, red spruce, paper birch, bunchberry litter
Site 77	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, black spruce bog near raven's nest
<i>Vermontia thoracica</i> (Emerton)		
Site 57	7/21/2007	C. Donahue, pitfall cups, white cedar wetland
<i>Walckenaeria atrotibalis</i> Pickard-Cambridge		
Site 58	7/21/2007	J. McKenna, cup pitfall trap
Site 72	7/21/2007	J. McKenna, tube pitfall trap
<i>Walckenaeria brevicornis</i> (Emerton)		
Site 72	7/21/2007	J. McKenna, cup pitfall trap
<i>Walckenaeria castanea</i> (Emerton)		
Site 46	7/21/2007	D.S. Chandler, sifting-berlesing, grass litter
<i>Walckenaeria communis</i> (Emerton)		
Site 46	7/21/2007	D.S. Chandler, sifting-berlesing, grass litter
<i>Walckenaeria digitata</i> (Emerton)		
Site 11	7/22/2007	D.S. Chandler, barrier pitfall trap, meadow by small stream
<i>Walckenaeria directa</i> (Pickard-Cambridge)		
Site 69	7/21/2007	D.T. Jennings, pitfall cups
	7/21/2007	D.T. Jennings, pitfall tubes
<i>Walckenaeria exigua</i> Millidge		
Site 22	7/22/2007	D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest
Site 72	7/21/2007	J. McKenna, cup pitfall trap

*Walckenaeria lepida* (Kulczyński)

Site 7477 7/21/2007

*Walckenaeria spiralis* (Emerton)

Site 67 7/21/2007 D.T. Jennings, tube pitfall trap

*Walckenaeria tibialis* (Emerton)Site 77 7/17/2007 J. McKenna & D.T. Jennings, litter, Tullgren funnel, black spruce bog with black spruce, rushes, cotton grass, *Sphagnum*, shrubs**LYCOSIDAE***Alopecosa aculeata* (Clerck)

Site 14 7/21/2007 E. Arsenault, by hand

*Alopecosa* sp..

Site 9 7/22/2007 J.S. Weaver, pitfall trap, jack pine area

*Arctosa emertoni* Gertsch

Site 16 7/22/2007 D.S. Chandler, barrier pitfall trap, salt marsh

*Pardosa distincta* (Blackwall)

Site 13 7/22/2007 J. Rykken, by hand, rocky/shrubby habitat

Site 14 7/21/2007 J.S. Weaver, sweeping

7/21/2007 S. Colwell, hand collecting, sweep net, beating sheet

Site 16 7/21/2007 C. Teerling, by hand, from bog or rock outcropping by bog

Site 20 7/22/2007 M. Goff, by hand

Site 71 7/21/2007 D.T. Jennings, pitfall cups

*Pardosa groenlandica* (Thorell)

Site 3 7/22/2007 A. Alyokhin, by hand, shrubs and rocky beach

Site 20 7/21/2007 J.S. Weaver, aspirator

7/22/2007 M. Goff, by hand

*Pardosa hyerborea* (Thorell)

Site 13 7/22/2007 J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens

Site 31 7/21/2007 R.E. Nelson, by hand

Site 36 7/21/2007 D. Bourque, by hand

Site 7477 7/21/2007

*Pardosa lapidicina* Emerton

Site 11 7/21/2007 C. Donahue, by hand

Site 20 7/22/2007 J.S. Weaver, pitfall trap, just above intertidal zone

Site 21 7/21/2007 D. Michaud, sweeping, hand picking

*Pardosa modica* (Blackwall)

Site 16 7/22/2007 D.S. Chandler, barrier pitfall trap, salt marsh

Site 67 7/21/2007 C. Homer, beating, and shaking conifers and grasses by hand, salt meadow

7/21/2007 D.T. Jennings, tube pitfall trap

*Pardosa moesta* Banks

Site 1 7/21/2007 E. Mazurkiewicz, by hand, on moss covered ground in spruce forest

Site 5 7/21/2007 C. Rallis &amp; J.S. Weaver, sweeping, bog

Site 11 7/22/2007 D.S. Chandler, barrier pitfall trap, meadow by small stream

Site 13 7/22/2007 J. Rykken, by hand, rocky/shrubby habitat

7/22/2007 J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens

7/22/2007 K. Hopkins, sweeping

Site 15 7/22/2007 D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees

Site 16 7/22/2007 D.S. Chandler, barrier pitfall trap, salt marsh

Site 17 7/22/2007 C. Donahue, sweeping

Site 20 7/22/2007 M. Goff, by hand

Site 25 7/22/2007 J.S. Weaver, pitfall trap, near old ranger station

Site 31 7/22/2007 S. Long, sweeping

Site 54 7/21/2007 C. Donahue, pitfall cups, bog

Site 61	7/21/2007	F. Graham, pitfall cups, grassy understory, young sparse broadleaf trees and shrubs
	7/21/2007	F. Graham, tube pitfall trap, grassy understory, young, sparse broadleaf trees and shrubs
Site 64	7/21/2007	F. Graham, pitfall cups, cattail swamp
Site 73	7/21/2007	F. Graham, pitfall cups, black spruce bog
Site 84	7/22/2007	W.S. Urquhart, sweeping, ground cover in fir stand
Site 7477	7/21/2007	
<i>Pardosa xerampelina</i> (Keyserling)		
Site 14	7/21/2007	J.S. Weaver, sweeping
	7/21/2007	S. Colwell, hand collecting, sweep net, beating sheet
<i>Pirata insularis</i> Emerton		
Site 16	7/21/2007	C. Teerling, by hand, from bog or rock outcropping by bog
Site 55	7/21/2007	C. Donahue, pitfall tubes, hanging bog
Site 60	7/21/2007	J. McKenna, tube pitfall trap
Site 62	7/21/2007	F. Graham, pitfall cups, maple stand near utility road
Site 64	7/21/2007	F. Graham, pitfall cups, cattail swamp
Site 65	7/21/2007	C. Donahue, pitfall cups, tidal marsh at base of Schoodic Head
Site 67	7/21/2007	D.T. Jennings, tube pitfall trap
Site 69	7/21/2007	D.T. Jennings, pitfall cups
Site 70	7/21/2007	D.T. Jennings, pitfall cups
Site 77	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, black spruce bog with black spruce, rushes, cotton grass, <i>Sphagnum</i> , shrubs
Site 7477	7/21/2007	
<i>Pirata minutus</i> Emerton		
Site 67	7/21/2007	D.T. Jennings, tube pitfall trap
<i>Pirata piraticus</i> (Clerck)		
Site 16	7/22/2007	D.S. Chandler, barrier pitfall trap, salt marsh
Site 54	7/21/2007	C. Donahue, pitfall cups, bog
Site 56	7/21/2007	C. Donahue, tube pitfall trap, marsh
Site 67	7/21/2007	C. Homer, beating, and shaking conifers and grasses by hand, salt meadow
	7/21/2007	D.T. Jennings, tube pitfall trap
	7/22/2007	C. Homer, sweeping
<i>Trochosa ruficollis</i> (De Geer)		
Site 1	7/21/2007	J. McDade, aspirator
Site 67	7/21/2007	D.T. Jennings, tube pitfall trap
<i>Trochosa terricola</i> Thorell		
Site 1	7/21/2007	C. Homer, hand collecting, night walk
Site 9	7/22/2007	C. Donahue, by hand, under logs/bark
Site 46	7/22/2007	D.S. Chandler, barrier pitfall trap, <i>Ribes</i> patch
Site 62	7/21/2007	F. Graham, pitfall cups, maple stand near utility road

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**MIMETIDAE**


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*Ero canionis* Chamberlin & Ivie

Site 2	7/21/2007	R.E. Nelson, sweeping
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**PHILODROMIDAE***Philodromus exilis* Banks

Site 1	7/21/2007	M. Goff, beating
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*Tibellus oblongus* (Walckenaer)

Site 9	7/21/2007	C. Rallis, sweeping
Site 17	7/22/2007	C. Donahue, sweeping
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
Site 46	7/21/2007	E. Robertson, sweeping

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**PHOLCIDAE***Pholcus phalangioides* (Fuesslin)

Site 1	7/22/2007	J. Mays, by hand, along road
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**SALTICIDAE***Attidops* sp.

Site 1	7/21/2007	M. McLain, sweeping herbaceous vegetation, picnic area
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*Eris militaris* (Hentz)

Site 1	7/21/2007	P. Loboizzo, sweeping
Site 9	7/22/2007	C. Donahue, sweeping
Site 14	7/21/2007	E. Arsenaault, by hand
	7/22/2007	J. Warfel, beating
Site 17	7/22/2007	C. Donahue, sweeping
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
Site 36	7/21/2007	K. Hopkins, sweeping trees
Site 55	7/22/2007	C. Donahue, sweeping, hanging bog
Site 85	7/22/2007	R.E. Nelson, sweeping weeds, shrubs, and low conifers, spruce, hemlock, fir forest

*Eris* sp.

Site 55	7/22/2007	J. Cramer, by hand, bog, inside pitcher plant or in orchid
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*Evarcha hoyi* (Peckham & Peckham)

Site 14	7/21/2007	J.S. Weaver, sweeping
Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 85	7/22/2007	R.E. Nelson, sweeping weeds, shrubs, and low conifers, spruce, hemlock, fir forest

*Neon nellii* (Peckham & Peckham)

Site 62	7/21/2007	F. Graham, pitfall cups, maple stand near utility road
Site 63	7/21/2007	F. Graham, pitfall cups, <i>Sphagnum</i> in regenerating fir stand

*Pelegrina flavipes* (Peckham & Peckham)

Site 13	7/22/2007	J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens
Site 84	7/22/2007	W.S. Urquhart, beating, fir grove by water

*Salticus scenicus* (Clerck)

Site 1	7/21/2007	by hand, on apartment door
	7/22/2007	J. Mays, by hand, along road
Site 45	7/22/2007	J. Rykken, by hand, rocky boulders and pools along shoreline

*Sitticus floricola palustris* (Peckham & Peckham)

Site 20	7/22/2007	J. McDade, sweeping
Site 81	7/21/2007	J. Rykken, sweeping, grasses and sedges around brackish pond

*Sitticus striatus* Emerton

Site 81	7/22/2007	C. Teerling, sweeping, salt marsh
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*Talavera minuta* (Banks)

Site 76	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, <i>Spartina patens</i> , <i>Distichilis</i> sp.
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**TETRAGNATHIDAE***Meta ovalis* (Gertsch)

Site 1	7/22/2007	J. Mays, by hand, along road
Site 36	7/21/2007	J. Rykken, by hand, mixed habitats along trail

*Tetragnatha extensa* (Linnaeus)

Site 3	7/22/2007	K. Woo & D. Vacca, sweeping
Site 11	7/21/2007	D.S. Chandler, sweeping
Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 67	7/22/2007	C. Homer, sweeping

*Tetragnatha laboriosa* Hentz

Site 2	7/21/2007	R.E. Nelson, sweeping
	7/22/2007	C. Rallis & J.S. Weaver, sweeping
Site 3	7/21/2007	R. Engel, sweeping
	7/22/2007	D. Michaud, sweeping
	7/22/2007	K. Hopkins, sweeping
Site 4	7/22/2007	D. Bourque, sweeping
Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
Site 19	7/21/2007	R.E. Nelson, sweeping
Site 20	7/22/2007	A. Russell, by hand, blueberry bushes and between rocky crevices
Site 22	7/21/2007	D.S. Chandler, sweep vegetation
Site 81	7/22/2007	C. Teerling, sweeping, salt marsh

*Tetragnatha straminea* Emerton

Site 11	7/21/2007	D.S. Chandler, sweeping
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*Tetragnatha viridis* Walckenaer

Site 19	7/21/2007	R.E. Nelson, sweeping
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**THERIDIIDAE***Asagenna americana* (Emerton)

Site 1	7/21/2007	A. Alyokhin, by hand, playground next to bunkhouse
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*Canalidion montanum* Emerton

Site 14	7/21/2007	J. McDade, knocking branches and collected on sheet
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*Dipoena nigra* (Emerton)

Site 13	7/22/2007	K. Hopkins, sweeping
Site 14	7/22/2007	J. Warfel, beating

*Enoplognatha ovata* (Clerck)

Site 1	7/19/2007	R.A. Bradley, by hand, spruce understory and near buildings
	7/21/2007	B. Arsenaault, sweeping
	7/21/2007	C. Homer, hand collecting, night walk
	7/21/2007	G. DenDanto, sweeping, roadside vegetation
	7/21/2007	L. Navarro, aspirator
	7/21/2007	M. McLain, sweeping, picnic area, white birch
	7/21/2007	M.E. Mazurkiewicz, by hand, Schooner club area
	7/22/2007	J. Mays, by hand, along road
	7/22/2007	K. Hopkins, sweeping, on sweet fern and ferns
	7/22/2007	K. Pontbriand, beating, behind campground near salt marsh, in old man's beard on spruce tree
Site 2	7/21/2007	R.E. Nelson, sweeping
	7/22/2007	C. Rallis & J.S. Weaver, sweeping
Site 3	7/21/2007	R. Engel, sweeping
	7/22/2007	A. Alyokhin, by hand, shrubs and rocky beach
	7/22/2007	K. Hopkins, sweeping
	7/22/2007	K. Woo & D. Vacca, sweeping
Site 5	7/22/2007	D. Bourque, sweeping
Site 6	7/21/2007	P. Loboizzo, sweeping
Site 9	7/21/2007	C. Rallis, sweeping
	7/22/2007	C. Donahue, sweeping
	7/22/2007	D.S. Chandler, sweeping jack pine forest
	7/22/2007	J.S. Weaver, pitfall trap, jack pine area
Site 11	7/22/2007	M. Crain, sweeping
Site 13	7/22/2007	J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens Site 14
	7/21/2007	J.S. Weaver, sweeping
	7/21/2007	S. Colwell, hand collecting, sweep net, beating sheet
	7/22/2007	J. Warfel, beating
Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
Site 19	7/21/2007	R.E. Nelson, sweeping



Site 20	7/22/2007	J. McDade, sweeping
Site 21	7/21/2007	K. Hopkins, sweeping, trees
Site 22	7/22/2007	W.S. Urquhart, sweeping, ground cover along road
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
Site 31	7/22/2007	S. Long, sweeping
Site 36	7/21/2007	D. Michaud, sweeping, hand picking
Site 46	7/21/2007	D.S. Chandler, sweeping
	7/21/2007	E. Robertson, sweeping
	7/21/2007	M. Tomlinson, sweeping, spruce forest with birch
	7/22/2007	D.S. Chandler, barrier pitfall trap, <i>Ribes</i> patch
Site 71	7/21/2007	D.T. Jennings, pitfall cups
	7/21/2007	M. Crain, sweeping
Site 79	7/21/2007	W.S. Urquhart, beating, spruce tree
Site 81	7/21/2007	J. Rykken, sweeping, grasses and sedges around brackish pond
Site 84	7/22/2007	W.S. Urquhart, beating, fir grove by water
	7/22/2007	W.S. Urquhart, sweeping, ground cover in fir stand
Site 85	7/22/2007	R.E. Nelson, sweeping weeds, shrubs, and low conifers, spruce, hemlock, fir forest
<i>Hentziectypus globosa</i> (Hentz)		
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
<i>Platnickina tincta</i> (Walckenaer)		
Site 1	7/21/2007	F. Graham, by hand, on wall
	7/21/2007	L. Navarro, aspirator
	7/21/2007	M.E. Mazurkiewicz, by hand, Schooner club area
Site 3	7/22/2007	K. Woo & D. Vacca, sweeping
Site 22	7/22/2007	W.S. Urquhart, beating, low hanging branches of spruce and fir trees
<i>Neospintharus trigonum</i> (Hentz)		
Site 1	7/21/2007	L. Navarro, aspirator
Site 14	7/22/2007	J. Warfel, beating
<i>Neottiura bimaculata</i> (Linnaeus)		
Site 13	7/21/2007	C. Shaw & S. Beccue, by hand, understory in spruce forest with some rocky outcroppings
Site 81	7/21/2007	J. Rykken, sweeping, grasses and sedges around brackish pond
<i>Parasteatoda tabulata</i> Levi		
Site 1	7/21/2007	A. Alyokhin, by hand, playground next to bunkhouse
	7/21/2007	C. Homer, hand collecting, night walk
	7/21/2007	E. & M. Mazurkiewicz, by hand, on outside of ice rink
	7/21/2007	M.E. Mazurkiewicz, by hand, Schooner club area
	7/22/2007	C. Homer, by hand
Site 3	7/22/2007	A. Alyokhin, by hand, shrubs and rocky beach
Site 13	7/21/2007	C. Shaw & S. Beccue, by hand, understory in spruce forest with some rocky outcroppings
Site 13	7/22/2007	J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens
Site 46	7/21/2007	E. Robertson, aspirator
<i>Parasteatoda tepidariorum</i> (C.L. Koch)		
Site 1	7/21/2007	L. Navarro, aspirator
<i>Robertus banksi</i> (Kaston)		
Site 78	7/17/2007	J. McKenna & D.T. Jennings, litter-Berlese funnel, sugar maple, red maple, gray birch, black cherry litter, deciduous leaves
<i>Robertus borealis</i> (Kaston)		
Site 77	7/17/2007	J. McKenna & D.T. Jennings, litter, Tullgren funnel, black spruce bog with black spruce, rushes, cotton grass, <i>Sphagnum</i> , shrubs
<i>Robertus riparius</i> (Keyserling)		
Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 22	7/22/2007	D.S. Chandler, litter collected and put out to dry—hand-picked spiders, spruce forest

- Site 74 7/17/2007 J. McKenna & D.T. Jennings, litter in Berlese funnel, drain area, red spruce, paper birch, bunchberry litter
- Rugathodes sexpunctatus* (Emerton)
- Site 8 7/21/2007 M. Tomlinson, beating, spruce and birch
- Site 14 7/21/2007 J. McDade, knocking branches and collected on sheet
- Site 22 7/21/2007 D.S. Chandler, sifting-berlesing, forest litter
- 7/21/2007 D.S. Chandler, sweep vegetation
- Steatoda bipunctata* (Linnaeus)
- Site 1 7/14/2007 M. Line, by hand
- 7/21/2007 C. Homer, hand collecting, night walk
- 7/21/2007 C. Homer, hand collecting, night walk
- 7/21/2007 J. McDade, aspirator
- 7/21/2007 K. Hopkins, hand picked, edge of woods by playground at ballfield
- 7/21/2007 L. Navarro, aspirator
- Steatoda* sp.
- Site 1 7/19/2007 R.A. Bradley, by hand, spruce understory and near buildings.
- Theridion differens* Emerton
- Site 1 7/21/2007 P. Loboizzo, sweeping
- Site 3 7/22/2007 D. Michaud, sweeping
- Site 5 7/21/2007 C. Rallis & J.S. Weaver, sweeping, bog
- Site 11 7/22/2007 M. Crain, sweeping
- Site 14 7/22/2007 J. Warfel, beating
- Site 21 7/21/2007 K. Hopkins, sweeping, trees
- Theridion emertoni* Berland
- Site 14 7/22/2007 J. Warfel, beating
- Theridion frondeum* Hentz
- Site 1 7/21/2007 C. Homer, hand collecting, night walk
- 7/21/2007 K. Hopkins, hand picked, edge of woods by playground at ballfield
- 7/21/2007 L. Navarro, aspirator
- Site 6 7/22/2007 C. Rallis & J.S. Weaver, sweeping
- Site 9 7/21/2007 C. Rallis, sweeping
- Site 11 7/21/2007 D.S. Chandler, sweeping
- Site 14 7/21/2007 P. Loboizzo, sweeping
- 7/21/2007 S. Colwell, hand collecting, sweep net, beating sheet
- 7/22/2007 J. Warfel, beating
- Site 15 7/22/2007 D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
- Site 19 7/21/2007 R.E. Nelson, sweeping
- Site 20 7/22/2007 J. McDade, sweeping
- Site 22 7/21/2007 D.S. Chandler, sweep vegetation
- 7/22/2007 W.S. Urquhart, sweeping, ground cover along road
- Site 36 7/21/2007 D. Michaud, sweeping, hand picking
- Site 79 7/21/2007 W.S. Urquhart, beating, spruce tree
- Site 81 7/21/2007 J. Rykken, sweeping, grasses and sedges around brackish pond
- Theridion pictum* (Walckenaer)
- Site 9 7/20/2007 R.A. Bradley, by hand, in spruce
- Site 14 7/22/2007 J. Warfel, beating
- Site 67 7/21/2007 C. Homer, beating, and shaking conifers and grasses by hand, salt meadow
- Site 79 7/21/2007 W.S. Urquhart, beating, spruce tree
- Site 80 7/21/2007 W.S. Urquhart, beating, fir, spruce along shore
- Theridion* sp.
- Site 1 7/21/2007 R.A. Bradley, by hand
- Theridion tinctum* (Walckenaer)
- Site 9 7/22/2007 C. Donahue, sweeping
- Theridion varians* Hahn
- Site 1 7/21/2007 C. Homer, hand collecting, night walk
- Site 3 7/22/2007 A. Alyokhin, by hand, shrubs and rocky beach
- Site 8 7/21/2007 R. Engel, by hand, spruce and birch

Site 13	7/22/2007	J. Sachs, by hand, rocky coast, sparse coniferous trees, lots of lichens
Site 20	7/22/2007	J. McDade, sweeping
Site 22	7/22/2007	W.S. Urquhart, sweeping, ground cover along road
<i>Theridula emertoni</i> Levi		
Site 2	7/22/2007	C. Rallis & J.S. Weaver, sweeping

**Theridiosomatidae***Theridiosoma gemmosum* (L. Koch)

Site 15	7/22/2007	D. Manski, sweeping, by hand, road shoulder grass, shrubs, trees
Site 46	7/21/2007	D.S. Chandler, sweeping
Site 72	7/21/2007	J. McKenna, cup pitfall trap

**Thomisidae***Misumena vatia* (Clerck)

Site 3	7/22/2007	D. Michaud, sweeping
Site 5	7/22/2007	D. Bourque, sweeping
Site 11	7/22/2007	M. Crain, sweeping
Site 17	7/22/2007	C. Donahue, sweeping
Site 18	7/22/2007	D. Michaud, sweeping, hand picking
Site 19	7/21/2007	R.E. Nelson, sweeping
Site 22	7/21/2007	D.S. Chandler, sweep vegetation
Site 31	7/22/2007	R.E. Nelson, sweeping shrubs and low conifers
	7/22/2007	S. Long, sweeping
Site 55	7/22/2007	C. Donahue, sweeping, hanging bog

*Tmarus angulatus* (Walckenaer)

Site 3	7/22/2007	D. Michaud, sweeping
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*Xysticus emertoni* Keyserling

Site 5	7/21/2007	C. Rallis & J.S. Weaver, sweeping, bog
	7/22/2007	D. Bourque, sweeping

**Class Insecta****Order Collembola—the springtails**

by Ernest C. Bernard, University of Tennessee, Knoxville, TN.

**Arrhopalitidae***Pygmarrhopalites benitus* (Folsom)

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat

*Pygmarrhopalites* sp. 1

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat

*Pygmarrhopalites* sp. 2

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat

*Pygmarrhopalites* sp. 3

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
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**BOURLETIELLIDAE***Deuterostomothrus russatus* Maynard

Site 1	8/9/2009	C. Donahue, yellow pan trap, ornamental shrubs
Site 132	8/8/2009	E. Groden, beating, open shrubs/grasses at picnic area, flowers: whorled loosestrife, rose

**BRACHYSTOMELLIDAE***Brachystomella parvula* (Schäffer)

Site 1	8/9/2009	C. Donahue, yellow pan trap, ornamental shrubs
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**DICYRTOMIDAE***Dicyrtomina minuta* (Fabricius)

Site 1	8/9/2009	C. Donahue, yellow pan trap, in goldenrod
	8/9/2009	C. Donahue, yellow pan trap, alders
	8/9/2009	C. Donahue, yellow pan trap, ornamental shrubs
Site 20	8/8/2009	M. Swann, aspirator, beneath spruce trees, damp ground covered by needles
Site 25	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 80	8/8/2009	D. Michaud & D. Bourque, in bracket fungi, mixed spruce and birch
<i>Ptenothrix atra</i> (Linnaeus)		
Site 1	8/8/2009	L. Servier & R.G. Dearborn, hand collect, in duff on the ground
	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 120	8/8/2009	J. Resnik & M. Swann, sifting, aspirator, red maple forest litter
Site 125	8/8/2009	R.E. Nelson, berlese, <i>Sphagnum</i> grab sample
<i>Ptenothrix marmorata</i> (Packard)		
Site 36	8/8/2009	D. Michaud, by hand
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
Site 80	8/8/2009	D. Michaud & D. Bourque, in bracket fungi, mixed spruce and birch

**ENTOMOBRYIDAE***Entomobrya clitellaria* Guthrie

Site 1	8/8/2009	C. Donahue, beating, red spruce
Site 2	8/8/2009	K. Hutchins, beating, alder thicket in hardwoods (cherry and birch).

*Entomobrya nivalis* (Linnaeus)

Site 1	8/8/2009	C. Donahue, beating, white spruce
	8/8/2009	C. Donahue, beating, red spruce
	8/8/2009	D. Vacca & B. Woo, sweeping, beating, near gym on shrub
	8/8/2009	R.G. Dearborn, beating, alders, campus trails
	8/9/2009	C. Donahue, yellow pan trap, grasses
	8/9/2009	C. Donahue, yellow pan trap, in goldenrod
Site 4	8/9/2009	C. Donahue, yellow pan trap, ornamental shrubs
	8/8/2009	A. Alyokhin, sweeping, deciduous trees and shrubs by road
Site 9	8/8/2009	D.S. Chandler, sweeping, spruce forest
Site 11	8/8/2009	E. Groden, beating spruce branches, wetland
	8/8/2009	J. Jun, beating, seashore
Site 12	8/8/2009	E. Groden, beating cedar branches, cedar bog
Site 16	8/8/2009	K. Hutchins, beating, tamarack

Site 20	8/8/2009	M. Swann, aspirator, beneath spruce trees, damp ground covered by needles
Site 22	8/8/2009	D.S. Chandler, sweeping, by stream
Site 25	8/8/2009	J.S. Weaver, beating, dead spruce by side of road R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 31	8/8/2009	F. Drummond, beating, scrub spruce/fir
Site 36	8/8/2009	D. Michaud, by hand
Site 39	8/8/2009	M. Gross, beating, dead fir tree
Site 44	8/8/2009	I. Gross, sweeping
	8/8/2009	I. Gross, sweeping, grasses
	8/8/2009	I. Gross, sweeping, ferns
	8/8/2009	I. Gross, sweeping, touch-me-nots
	8/8/2009	M. Gross, beating
Site 45	8/8/2009	C. Teerling, beating, heather and ericacious plants
Site 46	8/8/2009	A. Alyokhin, aspirator, surface of small tidal pool in intertidal zone
Site 48	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, alders
	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, white birch
	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, cherry
	8/9/2009	K. Hutchins, beating, alder thicket in cherry and birch hardwoods
Site 80	8/8/2009	D. Michaud & D. Bourque, in bracket fungi, mixed spruce and birch
Site 83	8/8/2009	D. Michaud, sweeping, roadside, mostly ferns
Site 114	8/8/2009	J. McDade, beating/picking
Site 117	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, spruce forest floor sample
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 119	8/8/2009	J. Resnik & M. Swann, aspirator, on log
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory
Site 127	8/8/2009	E. Mockford & R. Davidson, beating
	8/8/2009	E. Mockford & R. Davidson, beating, spruce woodland
Site 132	8/8/2009	E. Groden, beating, open shrubs/grasses at picnic area, flowers: whorled loosestrife, rose
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, dead spruce
<i>Entomobryoides purpurascens</i> (Packard)		
Site 114	8/8/2009	J. McDade, beating/picking
<i>Lepidocyrtus pallidus</i> Reuter		
Site 119	8/8/2009	J. Resnik & M. Swann, aspirator, on log
<i>Lepidocyrtus paradoxus</i> Uzel		
Site 1	8/9/2009	C. Donahue, yellow pan trap, in goldenrod.
<i>Lepidocyrtus violaceus</i> (Geoffroy)		
Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
	8/9/2009	C. Donahue, yellow pan trap, in goldenrod
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter.
<i>Orchesella cincta</i> (Linnaeus)		
Site 1	8/8/2009	L. Servier & R.G. Dearborn, hand collect, in duff on the ground
Site 20	8/8/2009	M. Swann, aspirator, beneath spruce trees, damp ground covered by needles
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 36	8/8/2009	D. Michaud, by hand
Site 39	8/8/2009	S. Gross, beating, ferns in woods
Site 80	8/8/2009	D. Michaud & D. Bourque, in bracket fungi, mixed spruce and birch
Site 117	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, spruce forest floor sample

Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory
Site 123	8/8/2009	J. Resnik & M. Swann, sifting/aspirator, granite ledge, fir, blueberry, lichens, and moss—very dry
Site 127	8/8/2009	E. Mockford & R. Davidson, beating, spruce woodland
Site 132	8/8/2009	E. Groden, by hand, under decaying logs
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, red spruce
<i>Orchesella hexfasciata</i> Harvey		
Site 123	8/8/2009	J. Resnik & M. Swann, sifting/aspirator, granite ledge, fir, blueberry, lichens, and moss—very dry.
<i>Orchesella villosa</i> (Linnaeus)		
Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
Site 25	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 53	8/8/2009	A. Alyokhin, by hand, turning over rocks, grasses along shoreline
Site 80	8/8/2009	D. Michaud & D. Bourque, in bracket fungi, mixed spruce and birch
Site 84	8/8/2009	D. Michaud & D. Bourque, hand picking and sweeping, mostly on ledges
<i>Pseudosinella alba</i> (Packard)		
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 120	8/8/2009	J. Resnik & M. Swann, sifting, aspirator, red maple forest litter
Site 132	8/8/2009	F. Drummond, by hand, under rock at picnic area, grasses and shrubs
<i>Pseudosinella violenta</i> (Folsom)		
Site 53	8/8/2009	A. Alyokhin, by hand, turning over rocks, grasses along shoreline

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**HYPOGASTRURIDAE**


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*Hypogastrura* sp.

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter

*Hypogastrura sparta* (Christiansen & Bellinger)

Site 125	8/8/2009	R.E. Nelson, berlese, <i>Sphagnum</i> grab sample
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*Willemia intermedia* Mills

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
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**ISOTOMIDAE***Anurophorus* sp. 1

Site 123	8/8/2009	J. Resnik & M. Swann, sifting/aspirator, granite ledge, fir, blueberry, lichens, and moss—very dry
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*Appendisotoma vesiculata* (Folsom)

Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory
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*Dagamaea tenuis* (Folsom)

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat

*Desoria* sp.

Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat

Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 123	8/8/2009	J. Resnik & M. Swann, sifting/aspirator, granite ledge, fir, blueberry, lichens, and moss—very dry
Site 125	8/8/2009	R.E. Nelson, berlese, <i>Sphagnum</i> grab sample
<i>Desoria tigrina</i> Nicolet		
Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
<i>Folsomia nivalis</i> (Packard)		
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
<i>Folsomia penicula</i> (Bagnall)		
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory
Site 136	8/8/2009	F. Drummond, sweeping
<i>Parisotoma notabilis</i> (Schäffer)		
Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 25	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
<i>Uzelia</i> sp.		
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
<i>Vertagopus</i> sp.		
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus

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**KATIANNIDAE**
*Sminthurinus latimaculosus* Maynard

Site 1	8/9/2009	C. Donahue, yellow pan trap, in goldenrod
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory

*Sminthurinus quadrimaculatus* (Ryder)

Site 119	8/8/2009	J. Resnik & M. Swann, aspirator, on log
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**NEANURIDAE***Anurida maritima* (Guérin-Méneville)

Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
Site 46	8/8/2009	A. Alyokhin, aspirator, in algae in intertidal zone
Site 53	8/8/2009	A. Alyokhin, by hand, turning over rocks, grasses along shoreline

*Friesea* sp.

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter

*Neanura muscorum* (Templeton)

Site 11	8/8/2009	E. Groden, beating spruce branches, wetland
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 25	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 53	8/8/2009	A. Alyokhin, by hand, turning over rocks, grasses along shoreline
Site 117	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, spruce forest floor sample
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 132	8/8/2009	E. Groden, by hand, under decaying logs.

*Pseudachorutes indiana* Christiansen & Bellinger

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
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**NEELIDAE***Megalothorax minimus* Willem

Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus

*Neelides minutus* (Folsom)

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter

**ONYCHIURIDAE***Micraphorura absoloni* (Börner)

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
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*Protaphorura armata* (Tullberg)

Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus

**SMINTHURIDAE***Allacma fusca* (Lubbock)

Site 1	8/8/2009	L. Servier & R.G. Dearborn, by hand, moss hummock
	8/8/2009	L. Servier & R.G. Dearborn, hand collect, in duff on the ground
Site 3	8/8/2009	E. Mockford & R. Davidson, beating, spruces with small lichens
	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf plants
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
	8/8/2009	S. Kozura, beating, road by side of stream
Site 25	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, field at old ranger house
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 31	8/8/2009	F. Drummond, beating, scrub spruce/fir
Site 39	8/8/2009	S. Gross, beating, ferns in woods
Site 45	8/8/2009	C. Teerling, beating, heather and ericacious plants
Site 53	8/8/2009	A. Alyokhin, by hand, turning over rocks, grasses along shoreline



Site 80	8/8/2009	D. Michaud & D. Bourque, in bracket fungi, mixed spruce and birch
Site 81	8/8/2009	K. Hutchins, sweeping, pond shoreline, low lying vegetation, ferns
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, red spruce
	8/8/2009	R.G. Dearborn & L. Servier, beating, dead spruce
<i>Sminthurides lepus</i> Mills		
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
<i>Sminthurus</i> sp. 1		
Site 22	8/8/2009	J.S. Weaver, beating, dead spruce by side of road
Site 114	8/8/2009	J. McDade, beating/picking
Site 123	8/8/2009	J. Resnik & M. Swann, sifting/aspirator, granite ledge, fir, blueberry, lichens, and moss—very dry
Site 127	8/8/2009	E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, red spruce
<i>Sminthurus</i> sp. 2		
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems

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**TOMOCERIDAE**


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*Pogonognathellus* sp. 1

Site 1	8/8/2009	L. Servier & R.G. Dearborn, hand collect, in duff on the ground
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, rotten wood
	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory
Site 125	8/8/2009	R.E. Nelson, berlese, <i>Sphagnum</i> grab sample

*Pogonognathellus* sp. 2

Site 1	8/8/2009	C. Donahue, beating, white spruce
	8/8/2009	L. Servier & R.G. Dearborn, by hand, moss hummock
	8/8/2009	L. Servier & R.G. Dearborn, hand collect, in duff on the ground
Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
Site 36	8/8/2009	D. Michaud, by hand
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
Site 84	8/8/2009	D. Michaud & D. Bourque, hand picking and sweeping, mostly on ledges
Site 114	8/8/2009	J. McDade, beating/picking
Site 117	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, spruce forest floor sample
Site 118	8/8/2009	R.E. Nelson & J. Devisfruto, sifting-berlesing, dead freshwater plant detritus
Site 119	8/8/2009	J. Resnik & M. Swann, aspirator, on log
Site 120	8/8/2009	J. Resnik & M. Swann, sifting, aspirator, red maple forest litter
Site 122	8/8/2009	J. Resnik & M. Swann, from sifted litter using aspirator, beneath spruce overstory

*Tomocerus minor* (Lubbock)

Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
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*Tomocerus vulgaris* (Tullberg)

Site 1	8/8/2009	R.E. Nelson, berlese, litter grab near maintenance shed
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**TULLBERGIIDAE***Mesaphorura macrochaeta* (Rusek)

Site 27	8/8/2009	D.S. Chandler, sifting-berlesing, conifer litter
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*Mesaphorura silvicola* (Folsom)

Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
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## The “Minor” Orders

### Order Diplura—the diplurans

**CAMPODEIDAE***Metriocnemus* sp.

Site 132	8/8/2009	F. Drummond, by hand, under rock at coastline
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### Order Archaeognatha—the jumping bristletails

**MACHILIDAE***Petrobius brevistylus* Carpenter

Site 13	8/8/2009	S. Gross, by hand, rocks
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### Order Odonata—dragonflies and damselflies

**AESHNIDAE***Aeshna interrupta* Walker

Site 1	8/9/2008	R.W. Hildreth, by hand
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Site 6	8/8/2009	K. Hopkins, netting
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**COENAGRIONIDAE***Coenagrion resolutum* (Selys)

Site 107	6/13/2004	
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*Enallagma civile* (Hagen)

Site 11	8/8/2009	F. Drummond & E. Groden, sweeping, wetland/pond site
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Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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*Ischnura verticalis* (Say)

Site 11	8/8/2009	F. Drummond & E. Groden, sweeping, wetland/pond site
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*Nehalennia irene* (Hagen)

Site 1	8/8/2009	B. Woo, sweeping, mountain ash tree
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Site 11	8/8/2009	F. Drummond & E. Groden, sweeping, wetland/pond site
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Site 16	8/8/2009	D.S. Chandler, sweeping, larch and white cedar bog
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**LESTIDAE***Lestes rectangularis* Say

Site 31	8/8/2009	E. Groden, sweeping
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**LIBELLULIDAE***Leucorrhinia frigida* Hagen

Site 107	6/13/2004	C. Donahue
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*Leucorrhinia hudsonica* (Selys)

Site 1	6/13/2004	E. King
	6/13/2004	R.G. Dearborn
Site 107	6/13/2004	C. Donahue

*Leucorrhinia proxima* Calvert

Site 1	6/13/2004	C. Donahue
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*Libellula pulchella* Drury

Site 107	6/13/2004	C. Donahue
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*Libellula semifasciata* Burmeister

Site 107	6/13/2004	C. Donahue
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*Sympetrum obtrusum* (Hagen)

Site 2	8/8/2009	P. Darling, netting, at pump house
Site 12	8/8/2009	F. Drummond, sweeping, cedar bog
Site 136	8/8/2009	F. Drummond, sweeping

*Sympetrum rubicundulum* (Say)

Site 14	8/8/2009	P. Darling, netting
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*Sympetrum vicinum* (Hagen)

Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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**Order Plecoptera—the stoneflies****LEUCTRIDAE***Leuctra ferruginea* (Walker)

Site 22	8/8/2009	D.S. Chandler, spruce forest
	8/8/2009	J. Weaver, sweeping along stream
	8/8/2009	S. Kozura, beating, road by side of stream
Site 25	8/8/2009	R.W. Hildreth et al., mercury vapor light, parking area near old ranger cabin
Site 126	8/8/2009	D. Michaud, sweeping

**Order Orthoptera—grasshoppers and crickets****ACRIDIDAE***Chorthippus curtipennis* (Harris)

Site 11	8/8/2009	F. Drummond & E. Groden, sweeping, wetland/pond site
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*Dissosteira carolina* (Linnaeus)

Site 1	8/8/2009	L. Servier, by hand, lawn between pavilion and Schoodic Lodge
	8/8/2009	L. Servier & M. Dearborn, sweeping, grass/low shrubs near water tower
	8/8/2009	P. Darling, netting, near bioblitz lab
Site 38	8/8/2009	M. Gross, netting, rocky and grassy road shoulder
Site 128	8/8/2009	P. Darling, netting, parking area

*Melanoplus bivittatus* (Say)

Site 1	8/8/2009	C. Peters, by hand, outside apartment
	8/8/2009	D. Manski, Moore Auditorium
	8/8/2009	L. Servier & M. Dearborn, sweeping, grass/low shrubs near water tower
Site 6	8/8/2009	E. Mazurkiewicz, netting, roadside
Site 11	8/8/2009	F. Drummond & E. Groden, sweeping, wetland/pond site
Site 12	8/8/2009	E. Groden, sweeping, along road
Site 25	8/8/2009	J. Devisfruto, by hand, field at old ranger house
Site 53	8/8/2009	A. Alyokhin, sweeping, grasses along shoreline
Site 81	8/8/2009	K. Hutchins, netting, along shoreline in grass
	8/8/2009	R.W. Hildreth, sweeping, small seaside pond behind gravel beach

*Melanoplus sanguinipes* (Fabricius)

Site 2	8/8/2009	R.W. Hildreth, near pumping station
Site 13	8/8/2009	S. Gross, by hand, rocks
Site 16	8/8/2009	R.W. Hildreth, sweeping, small pond, grassy and boggy
Site 25	8/8/2009	J. Devisfruto, by hand, field at old ranger house

*Melanoplus* sp.

Site 1	8/8/2009	S. Gross, by hand, Moore Auditorium.
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**GRYLLIDAE***Neonemobius palustris* (Blatchley)

Site 5	8/8/2009	D.S. Chandler, yellow pan trap, in bog
Site 16	8/8/2009	D.S. Chandler, yellow pan trap, bog

**TETTIGONIIDAE***Conocephalus brevipennis* (Scudder)

Site 13	8/8/2009	S. Gross, netting, rocky, grasses
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*Conocephalus fasciatus* (De Geer)

Site 4	8/8/2009	A. Alyokhin, netting, grass and shrubs by shore
Site 13	8/8/2009	S. Gross, netting, rocky, grasses
Site 16	8/8/2009	K. Hutchins, sweeping
	8/8/2009	R.W. Hildreth, sweeping, small pond, grassy and boggy
Site 28	8/8/2009	E. Mazurkiewicz, sweeping, along road

*Metrioptera roeselii* (Hagenbach)

Site 81	8/8/2009	K. Hutchins, netting, along shoreline in grass
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**Order Dermaptera—the earwigs****FORFICULIDAE***Forficula auricularia* Linnaeus

Site 3	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf plants
Site 131	8/8/2009	E. Groden & F. Drummond, at light

**Order Dictyoptera—the cockroaches****BLATTELLIDAE***Ectobius lapponicus* (Linnaeus)

Site 1	8/8/2009	D. Manski, Moore Auditorium
	8/8/2009	D. Vacca, sweeping, under birch tree
	8/8/2009	J. McDade, sweeping, at ballfield
	8/8/2009	R.G. Dearborn, beating, along road
Site 2	8/8/2009	R.W. Hildreth, near pumping station
Site 9	8/8/2009	D.S. Chandler, sweeping, spruce forest
Site 17	8/8/2009	K. Hopkins, netting
Site 25	8/8/2009	R.W. Hildreth et al., mercury vapor light
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, grasses and dead leaves
	8/8/2009	S. Gross, hand collect, roadside laurel and grasses
Site 81	8/8/2009	K. Hutchins, sweeping, pond shoreline, low-lying vegetation, ferns
	8/8/2009	R.W. Hildreth, sweeping, small seaside pond behind gravel beach
Site 115	8/8/2009	D. Vacca, sweep vegetation
Site 131	8/8/2009	E. Groden & F. Drummond, at light

## Order Thysanoptera—the thrips

### PHLOEOTHIRIPIDAE

Genus? sp. 1		
Site 1	8/8/2009	K. Hopkins, aspirator, from daisies at edge of lawn
	8/8/2009	beating, white spruce
Site 53	8/8/2009	A. Alyokhin, by hand, daisies along shoreline
Genus? sp. 2		
Site 6	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern

### THRIPIDAE

<i>Frankliniella vaccinii</i>		
Site 31	8/8/2009	F. Drummond, by hand, rocky outcrop, in blueberry bush
Genus? sp. 1		
Site 20	8/8/2009	S. Kozura, sweeping, beach pea
Site 25	8/8/2009	J. Devisfruto, by hand, field at old ranger house
Site 132	8/8/2009	E. Groden, beating, open shrubs/grasses at picnic area, flowers: whorled loosestrife, rose.
Genus? sp. 2		
Site 132	8/8/2009	E. Groden, beating, open shrubs/grasses at picnic area, flowers: whorled loosestrife, rose.

## Order Neuroptera—lacewings

### CHRYSOPIDAE

<i>Chrysopa oculata</i> Say		
Site 1	8/8/2009	K. Hopkins, by hand, lights at Schoodic Shores
	8/8/2009	L. Servier, sweeping, tall grasses
Site 9	8/8/2009	J.S. Weaver, sweeping
Site 25	8/8/2009	R.W. Hildreth et al., mercury vapor light, small grassy parking lot
Site 81	8/8/2009	R.W. Hildreth, sweeping, small seaside pond behind gravel beach
<i>Meleoma emuncta</i> (Fitch)		
Site 25	8/8/2009	R.W. Hildreth et al., mercury vapor light, parking area near old ranger cabin

### HEMEROBIIDAE

<i>Hemerobius humulinus</i> Linnaeus		
Site 2	8/8/2009	K. Hutchins, sweeping, N of pump house
	8/8/2009	R.W. Hildreth, near pumping station
Site 9	7/16/2005	J.S. Weaver & J.F. Crow, at light
	8/8/2009	J.S. Weaver, sweeping
Site 31	8/8/2009	J.S. Weaver, D.S. Chandler, S. Gross, uv & mercury vapor lights
Site 39	8/8/2009	K. Hopkins, by hand, on spruce
	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
Site 127	8/8/2009	E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf
Site 133	8/8/2009	C. Donahue, black light trap, stream, wetland side.
<i>Hemerobius stigma</i> Stephens		
Site 9	7/16/2005	J.S. Weaver & J.F. Crow, at light
	8/8/2009	J.S. Weaver, D.S. Chandler, S. Gross, uv & mercury vapor lights
<i>Wesmaelius longifrons</i> Walker		
Site 1	8/8/2009	D. Manski, Moore Auditorium
Site 3	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf plants

## Order Trichoptera—the caddisflies

John S. Weaver, USDA/APHIS, Charleston, SC identified all the specimens from 2005.

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### HYDROPSYCHIDAE

*Hydropsyche betteni* Ross

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

*Parapsyche apicalis* (Banks)

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

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### LEPIDOSTOMATIDAE

*Lepidostoma carrolli* Flint

Site 133 8/8/2009 C. Donahue, black light trap, stream, wetland side

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### LEPTOCERIDAE

*Oecetis inconspicua* (Walker)

Site 9 7/16/2005 J.S. Weaver & J.F. Crow, at light

Site 25 8/8/2009 R.W. Hildreth et al., mercury vapor light, parking area near old ranger cabin

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### LIMNEPHILIDAE

*Anabolia bimaculata* (Walker)

Site 9 7/16/2005 J.S. Weaver & J.F. Crow, at light

*Ironoquia punctatissima* (Walker)

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

*Limnephilus moestus* Banks

Site 1 8/8/2009 D. Bourque, by hand

Site 9 7/16/2005 J.S. Weaver & J.F. Crow, at light

8/8/2009 J.S. Weaver, D.S. Chandler, S. Gross, uv & mercury vapor lights

Site 15 8/8/2009 C. Donahue, black light trap, stream, side of road

Site 25 7/16/2005 J.F. Crow, black light trap, coniferous forest along small stream

Site 81 8/8/2009 K. Hutchins, beating, spruce tree near pond

Site 133 8/8/2009 C. Donahue, black light trap, stream, wetland side.

*Limnephilus ornatus* Banks

Site 9 7/16/2005 J.S. Weaver & J.F. Crow, at light

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

*Limnephilus submonilifer* Walker

Site 131 8/8/2009 E. Groden & F. Drummond, at light

*Platycentropus indistinctus* (Walker)

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

*Platycentropus radiatus* (Say)

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

Site 25 8/8/2009 R.W. Hildreth et al., mercury vapor light, parking area near old ranger cabin

Site 133 8/8/2009 C. Donahue, black light trap, stream, wetland side.

*Pseudostenophylax sparsus* (Banks)

Site 25 7/16/2005 J.F. Crow, black light trap, coniferous forest along small stream

*Pycnopsyche scabripennis* (Rambur)

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

Site 15 8/8/2009 C. Donahue, black light trap, stream, side of road

Site 25 7/16/2005 J.F. Crow, black light trap, coniferous forest along small stream

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### PHILOPOTAMIDAE

*Wormaldia moesta* (Banks)

Site 15 8/8/2009 C. Donahue, black light trap, stream, side of road

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**PHRYGANEIDAE***Agrypnia vestita* (Walker)

Site 9	8/8/2009	J.S. Weaver, D.S. Chandler, S. Gross, uv & mercury vapor lights
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*Banksiola crotchi* Banks

Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
Site 25	7/17/2005	J.S. Weaver, black light trap, coniferous forest along small stream
	8/8/2009	R.W. Hildreth et al., mercury vapor light, small grassy parking lot.

*Banksiola dossuaria* (Say)

Site 133	8/8/2009	C. Donahue, black light trap, stream, wetland side.
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*Banksiola smithi* Banks

Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 9	8/8/2009	J.S. Weaver, D.S. Chandler, S. Gross, uv & mercury vapor lights
Site 12	7/17/2005	J.F. Crow, black light trap, coniferous forest

*Hagenella canadensis* (Banks)

Site 12	7/16/2005	J.S. Weaver, black light trap, coniferous forest
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*Ptilostomis ocellifera* (Walker)

Site 1	8/8/2009	K. Hopkins, by hand, lights at Schoodic Shores
Site 9	8/8/2009	J.S. Weaver, D.S. Chandler, S. Gross, uv & mercury vapor lights
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
Site 15	8/8/2009	C. Donahue, black light trap, stream, side of road
Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
	8/8/2009	R.W. Hildreth et al., mercury vapor light, parking area near old ranger cabin
Site 133	8/8/2009	C. Donahue, black light trap, stream, wetland side.

**POLYCENTROPODIDAE***Polycentropus albipunctus* (Banks)

Site 9	7/16/2005	J.S. Weaver
	7/16/2005	J.S. Weaver & J.F. Crow, at light

*Polycentropus clinei* (Milne)

Site 133	8/8/2009	C. Donahue, black light trap, stream, wetland side.
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*Polycentropus pentus*

Site 9	7/16/2005	J.S. Weaver
	7/16/2005	J.S. Weaver & J.F. Crow, at light

**RHYACOPHILIDAE***Rhyacophila invaria* (Walker)

Site 9	7/16/2005	J.S. Weaver.
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**Order Mecoptera—the scorpionflies****PANORPIDAE***Panorpa subfurcata* Westwood

Site 2	8/8/2009	K. Hutchins, sweeping, N of pump house
Site 81	8/8/2009	K. Hutchins, sweeping, pond shoreline, low lying vegetation, ferns
Site 89	8/8/2009	K. Hopkins, netting, tall grass, alder, raspberry
Site 98	8/8/2009	K. Hutchins, sweeping, N of pump house

## Order Hemiptera: long- and short-horned bugs

### Suborder Auchenorrhyncha—the short-horned bugs

K.G. Andrew Hamilton, Agriculture and Agri-foods Canada, Ottawa, ON.

#### CERCOPIDAE

##### *Aphrophora cribrata* (Walker)

Site 5	8/10/2008	M. Dearborn, sweeping, bog
Site 15	8/9/2008	A. Pierce, sweeping, asters on edge of road
Site 27	8/9/2008	C. Rallis, beating, alder
	8/9/2008	D.S. Chandler, sweeping, alders along road shoulder
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
	8/9/2008	M. Swann, sweeping
Site 94	8/9/2008	M. Tomlinson & J. Hoekwater, sweeping, grasses
Site 96	8/9/2008	M.E. Mazurkiewicz, sweeping, salt marsh— <i>Spartina patens</i>

##### *Aphrophora gelida* (Walker)

Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
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##### *Aphrophora quadrinotata* Say

Site 1	8/9/2008	B. Woo, beating, parking area at SERC gate
	8/9/2008	C. Rallis, beating, birch, alder, and sumac, picnic area near ballfield
	8/9/2008	P. Darling, sweeping, edge of ballfield, grasses

##### *Aphrophora saratogensis* (Fitch)

Site 34	8/10/2008	C. Teerling, sweeping, grasses and bog vegetation
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##### *Clasoptera obtusa* (Say)

Site 15	8/9/2008	A. Pierce, sweeping, asters on edge of road
Site 27	8/9/2008	C. Rallis, beating, alder
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
	8/9/2008	M. Swann, sweeping
Site 94	8/9/2008	M. Tomlinson & J. Hoekwater, sweeping, grasses
Site 96	8/9/2008	M.E. Mazurkiewicz, sweeping, salt marsh— <i>Spartina patens</i>

##### *Clasoptera saintcyri* Provancher

Site 21	8/9/2008	D.S. Chandler, sweeping, open understory dominated by <i>Vaccinium</i>
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##### *Neophilaenus lineatus* (Linnaeus)

Site 1	8/9/2008	A. Alyokhin, beating, alders near bioblitz lab
	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/9/2008	D. Vacca, sweeping, SERC entrance area, grasses with yarrow, meadowsweet, and goldenrod
	8/9/2008	R.G. Dearborn, sweeping, alders near water tower
	8/9/2008	R.G. Dearborn, sweeping grass
Site 2	8/9/2008	C. Rallis, sweep/beat grasses and brush
Site 5	8/10/2008	M. Dearborn, sweeping, bog
Site 13	8/9/2008	L. Havsall, beating, mountain ash and spruce trees
Site 16	8/9/2008	J. Hazen-Connery & R.W. Hildreth, sweeping, small pond
Site 20	8/9/2008	D. Vacca, sweeping, low shrubs, including lowbush blueberry and spruce shrubs
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 27	8/9/2008	C. Rallis, beating, alder
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
Site 93	8/9/2008	D. Wade, sweep low shrubs and grasses, roadside grasses, <i>Spirea</i> , rose
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
Site 99	8/10/2008	R.E. Nelson, underwater and surface sweeping, <i>Sphagnum</i> , sedge, <i>Myrica</i> bog



Site 101	8/10/2008	W.S. Urquhart, sweeping, dewberry, mountain ash, lichens, ferns, small grasses and etc.
Site 111	8/11/2008	K.G.A. Hamilton, by hand and sweeping, along shoreline
<i>Philaenarcys spartina</i> Hamilton		
Site 15	8/9/2008	A. Pierce, sweeping, asters on edge of road
<i>Philaenus spumarius</i> (Linnaeus)		
Site 1	8/9/2008	A. Alyokhin, beating, alders near bioblitz lab
	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/9/2008	C. Donahue, yellow pan trap, near bioblitz lab
	8/9/2008	R.G. Dearborn, sweeping, alders near water tower
	8/9/2008	R.G. Dearborn, sweeping grass
	8/10/2008	B. Woo, sweeping, grassy area behind Schooner Club
Site 3	8/9/2008	A. Alyokhin, sweeping, grass and shrubs
Site 13	8/9/2008	D. Vacca, sweeping, deadly nightshade and tall grasses
	8/9/2008	L. Havsall, beating, mountain ash and spruce trees
Site 16	8/9/2008	J. Hazen-Connerly & R.W. Hildreth, sweeping, small pond
Site 20	8/9/2008	D. Vacca, sweeping, low shrubs, including lowbush blueberry and spruce shrubs
	8/9/2008	J. McDade, A. Swann, M. Goff, sweeping
	8/9/2008	J.H. Connery, by hand and sweeping
	8/9/2008	K. Hutchins, sweeping, asters, vegetation at edge of spruce trees
	8/9/2008	L. Servier, sweeping, found on grasses and ferns
	8/9/2008	P. Darling & K. Hopkins, sweeping
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 26	8/10/2008	D. Burrell, sweeping, boggy head of stream estuary
Site 27	8/9/2008	C. Rallis, beating, alder
Site 83	8/9/2008	D.S. Chandler, sweeping, beach pea
Site 87	8/8/2008	S. Gross, hand picking, alder on side of road
	8/9/2008	J. Hoekwater, beating, rocky blueberry area, on quaking aspen
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
Site 93	8/9/2008	D. Wade, sweep low shrubs and grasses, roadside grasses, <i>Spirea</i> , rose
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
Site 101	8/10/2008	W.S. Urquhart, sweeping, dewberry, mountain ash, lichens, ferns, small grasses and etc.
Site 102	8/10/2008	W.S. Urquhart, sweeping

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**CICADELLIDAE**


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*Agalliopsis ancistra* Oman

Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 25	8/9/2008	T. Murray & J. List, sweeping, sumac
Site 35	8/10/2008	D. Michaud, D. Bourque, T. Murray, sweeping, hand picking
Site 97	8/10/2008	R.E. Nelson, yellow plastic bowl beneath red maple by road

*Anoscopus albiger* (Germar)

Site 1	8/9/2008	C. Donahue, yellow pan trap, near bioblitz lab
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*Anoscopus flavostriatus* (Donovan)

Site 97	8/10/2008	R.E. Nelson, yellow plastic bowl beneath red maple by road
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*Aphrodes bicinctus* (Schrank)

Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
Site 97	8/10/2008	R.E. Nelson, yellow plastic bowl beneath red maple by road

*Arboridia nitida* (Beamer)

Site 92	8/9/2008	K.G.A. Hamilton, sweeping, <i>Glyceria</i> in rill near N end of Sundew Trail
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*Athysanus argentarius* Metcalf

Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/10/2008	D. Wade, beating, campground near ballfield, paper birch

- Balcanocerus provancheri* (Van Duzee)  
 Site 24 8/9/2008 D. Burnell, sweeping, open blueberry heath
- Balclutha confluens* (Rey)  
 Site 3 8/9/2008 J. McDade, A. Swann, J. Seger, M. Goff, sweeping  
 Site 25 8/9/2008 C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac  
 8/9/2008 T. Murray & J. List, sweeping, sumac  
 Site 27 8/9/2008 C. Rallis, beating, alder
- Balclutha impicta* (Van Duzee)  
 Site 10 8/10/2008 J.S. Weaver, sweeping, salt marsh pond
- Bandara johnsoni* (Van Duzee)  
 Site 48 8/10/2008 J.S. Weaver, sweeping mostly alder and white birch, deciduous woods
- Ceratagallia humilis* (Oman)  
 Site 3 8/9/2008 J. McDade, A. Swann, J. Seger, M. Goff, sweeping
- Colladonus clitellarius* (Say)  
 Site 48 8/10/2008 J.S. Weaver, sweeping mostly alder and white birch, deciduous woods
- Colladonus setaceus* Nielson  
 Site 46 8/10/2008 A. Alyokhin, sweeping, vegetation, mostly *Vaccinium*
- Deltocephalus simplarius* (Osborn & Ball)  
 Site 8 8/10/2008 M.E. Mazurkiewicz, sweeping, *Spartina patens*  
 Site 20 8/9/2008 K. Hutchins, sweeping, asters, vegetation at edge of spruce trees  
 8/9/2008 K. Hutchins, sweeping, bog  
 8/9/2008 R.W. Hildreth & J.H. Connery, sweeping and hand pick, seaside grasses, *Rosa rugosa* thicket  
 Site 27 8/9/2008 C. Rallis, beating, alder  
 Site 38 8/9/2008 K.G.A. Hamilton, sweeping  
 Site 48 8/10/2008 C. Rallis, sweeping, in short grasses near mouth of creek  
 Site 96 8/9/2008 M.E. Mazurkiewicz, sweeping, salt marsh—*Spartina patens*  
 Site 111 8/11/2008 K.G.A. Hamilton, by hand and sweeping, along shoreline
- Destria bisignata* (Sanders & DeLong)  
 Site 111 8/11/2008 K.G.A. Hamilton, by hand and sweeping, along shoreline
- Dikraneura hungerfordi* Lawson  
 Site 22 8/9/2008 K.G.A. Hamilton, sweeping, sedgy understory and forbs near road, with much blueberry
- Dikraneura* sp.  
 Site 22 8/9/2008 D.S. Chandler, sweeping, ground vegetation  
 8/9/2008 K.G.A. Hamilton, sweeping, sedgy understory and forbs near road, with much blueberry
- Doratura stylata* (Boheman)  
 Site 1 8/9/2008 C. Donahue, yellow pan trap, near bioblitz lab  
 Site 16 8/9/2008 J. Hazen-Connery & R.W. Hildreth, sweeping, small pond  
 Site 25 8/9/2008 T. Murray & J. List, sweeping, sumac  
 Site 27 8/9/2008 C. Rallis, beating, alder  
 8/9/2008 C. Rallis, sweeping, grasses  
 8/9/2008 D.S. Chandler, sweeping, grasses along saltwater inlet  
 Site 93 8/9/2008 D. Wade, sweep low shrubs and grasses, roadside grasses, *Spirea*, rose  
 Site 98 8/10/2008 R.E. Nelson, beating, low alder thickets
- Dræculacephala antica* (Walker)  
 Site 1 8/10/2008 D. Wade, beating, campground near ballfield, paper birch  
 Site 38 8/9/2008 K.G.A. Hamilton, sweeping
- Dræculacephala mollipes* (Say)  
 Site 16 8/9/2008 J. Hazen-Connery & R.W. Hildreth, sweeping, small pond  
 Site 99 8/10/2008 R.E. Nelson, underwater and surface sweeping, *Sphagnum*, sedge, *Myrica* bog

<i>Draeculacephala robinsoni</i> Hamilton		
Site 16	8/9/2008	J. Hazen-Connery & R.W. Hildreth, sweeping, small pond
Site 27	8/9/2008	C. Rallis, beating, alder
Site 81	8/9/2008	P. Darling, sweeping, vegetation along road
<i>Draeculacephala</i> sp. A		
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, <i>Glyceria</i> in rill near N end of Sundew Trail
<i>Draeculacephala</i> sp. B		
Site 99	8/10/2008	R.E. Nelson, underwater and surface sweeping, <i>Sphagnum</i> , sedge, <i>Myrica</i> bog
<i>Draeculacephala zaeae</i> Hamilton		
Site 2	8/9/2008	C. Rallis, sweep/beat grasses and brush
<i>Elymana</i> sp.		
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
<i>Elymana sulphurella</i> (Zetterstedt)		
Site 27	8/9/2008	C. Rallis, sweeping, grasses
<i>Empoasca fabae</i> Harris		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
<i>Empoasca junipera</i> DeLong		
Site 99	8/10/2008	R.E. Nelson, beaten from <i>Thuja occidentalis</i> , margin of <i>Sphagnum</i> bog
<i>Empoasca</i> sp.		
Site 1	8/9/2008	C. Donahue, yellow pan trap, near bioblitz lab
	8/9/2008	C. Rallis, beating, goldenrod and <i>Spirea</i> , athletic field
	8/9/2008	J.S. Weaver, sweeping, mostly goldenrod near athletic field
	8/9/2008	T. Murray, sweeping, sweet fern patch
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 20	8/9/2008	J. McDade, A. Swann, M. Goff, sweeping
	8/9/2008	K. Hutchins, sweeping, asters, vegetation at edge of spruce trees
Site 48	8/10/2008	J.S. Weaver, sweeping mostly alder and white birch, deciduous woods
Site 83	8/9/2008	D.S. Chandler, sweeping, beach pea
Site 101	8/10/2008	W.S. Urquhart, sweeping, dewberry, mountain ash, lichens, ferns, small grasses, etc.
<i>Empoasca vincula</i> DeLong		
Site 1	8/9/2008	C. Donahue, yellow pan trap, near bioblitz lab
	8/9/2008	J.S. Weaver, sweeping, mostly goldenrod near athletic field
Site 20	8/9/2008	K. Hutchins, sweeping, asters, vegetation at edge of spruce trees
Site 44	8/9/2008	K. Bowser, sweeping, beach pea
Site 83	8/9/2008	D.S. Chandler, sweeping, beach pea
<i>Euscelis sordida</i> (Zetterstedt)		
Site 27	8/9/2008	C. Rallis, sweeping, grasses
<i>Evacanthus orbitalis</i> Fitch		
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 97	8/10/2008	R.E. Nelson, yellow plastic bowl beneath red maple by road
<i>Forcipata acclina</i> DeLong & Caldwell		
Site 99	8/10/2008	R.E. Nelson, underwater and surface sweeping, <i>Sphagnum</i> , sedge, <i>Myrica</i> bog
<i>Graphocephala picta</i> (Walker)		
Site 6	8/9/2008	J. Seger, A. Swann, J. McDade, sweeping, beating, parking area
Site 16	8/9/2008	J. Hazen-Connery & R.W. Hildreth, sweeping, small pond
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 46	8/10/2008	M.E. Mazurkiewicz, sweeping, low bush blueberry

Site 48	8/10/2008	J.S. Weaver, sweeping mostly alder and white birch, deciduous woods
Site 98	8/10/2008	R.E. Nelson, beating, low alder thickets
<i>Gyponana cacumina</i> DeLong		
Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/9/2008	R.G. Dearborn, sweeping, weedy area near watertower
	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 20	8/9/2008	D. Vacca, sweeping, low shrubs, including lowbush blueberry and spruce shrubs
Site 21	8/9/2008	D.S. Chandler, sweeping, open understory dominated by <i>Vaccinium</i>
Site 22	8/9/2008	K.G.A. Hamilton, sweeping, sedgy understory and forbs near road, with much blueberry
Site 34	8/10/2008	J.S. Weaver, sweeping, bayberry
	8/10/2008	J.S. Weaver, sweeping, hanging bog, cotton grass in bog area and other bog plants
Site 46	8/10/2008	A. Alyokhin, sweeping, vegetation, mostly <i>Vaccinium</i>
Site 98	8/10/2008	R.E. Nelson, beating, low alder thickets
<i>Gyponana serpenta</i> DeLong		
Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
Site 109	8/10/2008	K. Hopkins, sweeping, sweep tamarack
<i>Gyponana</i> sp.		
Site 20	8/9/2008	J. McDade, A. Swann, M. Goff, sweeping
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
Site 87	8/9/2008	M. Tomlinson, sweeping, goldenrod, beach pea, and grasses
Site 109	8/10/2008	K. Hopkins, sweeping, sweep tamarack
<i>Idiodonus kennicottii</i> (Uhler)		
Site 34	8/10/2008	C. Rallis, sweeping, hanging bog, swept grasses, bayberry, wild rhododendron
<i>Idiodonus morsei</i> (Osborn)		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
<i>Kyboasca trilobata</i> (DeLong)		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 21	8/10/2008	D.S. Chandler, sweeping, aquatic vegetation
Site 46	8/10/2008	D. Burrell, beating white birch branches.
<i>Laevicephalus acus</i> (Sanders & DeLong)		
Site 27	8/9/2008	C. Rallis, sweeping, grasses
<i>Laevicephalus</i> sp. 1		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
<i>Latalus ocellaris</i> (Fallén)		
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	T. Murray & J. List, sweeping, sumac
<i>Latalus personatus</i> Beirne		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 21	8/10/2008	D.S. Chandler, sweeping, prostrate juniper
Site 27	8/9/2008	C. Rallis, sweeping, grasses
<i>Limotettix humidus</i> (Osborn)		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
<i>Limotettix schedia</i> Hamilton		
Site 34	8/10/2008	J.S. Weaver, sweeping, hanging bog, cotton grass in bog area and other bog plants
<i>Limotettix vaccinii</i> (Van Duzee)		
Site 21	8/9/2008	D.S. Chandler, sweeping, open understory dominated by <i>Vaccinium</i>

<i>Macrosteles fascifrons</i> (Stål)		
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
<i>Macrosteles galeae</i> Hamilton		
Site 21	8/10/2008	D.S. Chandler, sweeping, aquatic vegetation
<i>Macrosteles quadrilineatus</i> (Forbes)		
Site 27	8/9/2008	D.S. Chandler, sweeping, grasses along saltwater inlet
Site 38	8/9/2008	K.G.A. Hamilton, sweeping
<i>Neohecalus lineatus</i> (Uhler)		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
	8/9/2008	M. Swann, sweeping
	8/10/2008	C. Rallis, drag sweep, marsh
	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
	8/9/2008	M. Swann, sweeping
Site 38	8/9/2008	K.G.A. Hamilton, sweeping
Site 48	8/10/2008	C. Rallis, sweeping, in short grasses near mouth of creek
Site 111	8/11/2008	K.G.A. Hamilton, by hand and sweeping, along shoreline
<i>Neokolla hieroglyphica</i> (Say)		
Site 20	8/9/2008	J. McDade, A. Swann, M. Goff, sweeping
	8/9/2008	K. Hutchins, sweeping, beach pea
Site 25	8/9/2008	T. Murray & J. List, sweeping, sumac
<i>Oncopsis concurrens</i> Hamilton		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, yellow birch
<i>Oncopsis crispae</i> Hamilton		
Site 1	8/9/2008	A. Alyokhin, beating, alders near bioblitz lab
	8/9/2008	C. Donahue, beating, spruce near bioblitz lab
	8/9/2008	R.G. Dearborn, sweeping, alders near water tower
	8/9/2008	T. Murray, sweeping, grass and wood edges
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 20	8/9/2008	D. Vacca, sweeping, low shrubs, including lowbush blueberry and spruce shrubs
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
Site 38	8/9/2008	K. Hutchins, beating, alder
<i>Oncopsis flavidorsum</i> (Amyot & Serville)		
Site 27	8/9/2008	D.S. Chandler, sweeping, alders along road shoulder
<i>Oncopsis minor</i> (Fitch)		
Site 6	8/9/2008	J. Seger, A. Swann, J. McDade, sweeping, beating, birch tree
<i>Paraphlepsius fulvidorsum</i> (Fitch)		
Site 1	8/9/2008	R.G. Dearborn, sweeping grass
<i>Paraphlepsius irroratus</i> (Say)		
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath.
<i>Psammotettix lividellus</i> (Zetterstedt)		
Site 48	8/10/2008	C. Rallis, sweeping, in short grasses near mouth of creek
<i>Ribautiana unca</i> (McAtee)		
Site 1	8/9/2008	A. Alyokhin, beating, alders near bioblitz lab
<i>Scaphoideus carinatus</i> Osborn		
Site 21	8/9/2008	D.S. Chandler, sweeping, open understory dominated by <i>Vaccinium</i>
<i>Scaphoideus jannus</i> Barnett		
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation
<i>Scaphoideus</i> sp.		
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation

*Scaphoideus* sp. A

Site 21 8/9/2008 D.S. Chandler, sweeping, open understory dominated by *Vaccinium*

Site 46 8/10/2008 A. Alyokhin, sweeping, vegetation, mostly *Vaccinium*

*Scaphytopius acutus* (Say)

Site 1 8/9/2008 C. Rallis, beating, goldenrod and *Spirea*, athletic field

Site 3 8/9/2008 J. McDade, A. Swann, J. Seger, M. Goff, sweeping

Site 14 8/9/2008 D. Michaud & D. Bourque, sweeping, hand picking

Site 20 8/9/2008 J. McDade, A. Swann, M. Goff, sweeping

Site 83 8/9/2008 D.S. Chandler, sweeping, beach pea

*Scaphytopius vaccinium* (DeLong)

Site 1 8/10/2008 D. Wade, beating, campground near ballfield, paper birch

Site 6 8/9/2008 J. Seger, A. Swann, J. McDade, sweeping, beating, birch tree

Site 21 8/9/2008 D.S. Chandler, sweeping, open understory dominated by *Vaccinium*

Site 34 8/10/2008 C. Rallis, beating, hanging bog, on bayberry

8/10/2008 C. Rallis, sweeping, hanging bog, swept grasses, bayberry, wild rhododendron

8/10/2008 J.S. Weaver, sweeping, bayberry

Site 46 8/10/2008 A. Alyokhin, sweeping, vegetation, mostly *Vaccinium*

*Typhlocyba latifasciata* (Christian)

Site 1 8/9/2008 C. Rallis, beating

8/9/2008 P. Darling, sweeping, mountain ash at edge of ballfield

Site 27 8/9/2008 D.S. Chandler, sweeping, alders along road shoulder

*Typhlocyba* sp.

Site 99 8/10/2008 R.E. Nelson, beaten from *Thuja occidentalis*, margin of *Spagnum* bog

*Xestocephalus fulvocapitatus* Van Duzee

Site 21 8/10/2008 J.S. Weaver, sweeping near pond

**CIXIIDAE***Cixius coelopium* Fitch

Site 1 8/10/2008 B. Woo, sweeping, grasses, goldenrod, near gazebo of Sundew Trail

8/10/2008 T. Miller, sweeping, Moore Auditorium, stand of meadowsweet

Site 21 8/9/2008 L. R. Miller, by hand, balsam forest by pond, moss

Site 35 8/10/2008 D. Michaud, D. Bourque, T. Murray, sweeping, hand picking

Site 43 8/10/2008 W.S. Urquhart, sweeping, mixed vegetation below white birch

Site 102 8/10/2008 W.S. Urquhart, sweeping

*Cixius misellus* Van Duzee

Site 1 8/10/2008 B. Woo, sweeping, grasses, goldenrod, near gazebo of Sundew Trail

Site 83 8/9/2008 D.S. Chandler, sweeping, beach pea

Site 86 8/9/2008 S. Gross, by hand

*Cixius pini* Fitch

Site 3 8/9/2008 J. McDade, A. Swann, J. Seger, M. Goff, sweeping

Site 14 8/9/2008 D. Michaud & D. Bourque, sweeping, hand picking

Site 20 8/9/2008 J. McDade, A. Swann, M. Goff, sweeping

*Cixius* sp.

Site 21 8/9/2008 L. R. Miller, by hand, balsam forest by pond, moss

Site 83 8/9/2008 D.S. Chandler, sweeping, beach pea

Site 86 8/9/2008 S. Gross, by hand

**DELPHACIDAE***Kosswigianella lutulenta* (Van Duzee)

Site 27 8/9/2008 C. Rallis, sweeping, grasses

*Megamelus metzaria* Crawford

Site 21 8/9/2008 J.S. Weaver, dip net

Site 27 8/9/2008 D.S. Chandler, sweeping, grasses along saltwater inlet

Site 92 8/9/2008 K.G.A. Hamilton, sweeping, West Pond beach

Site 111	8/11/2008	K.G.A. Hamilton, by hand and sweeping, along shoreline
<i>Megamelus</i> sp. 1		
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
<i>Megamelus</i> sp. 2		
Site 27	8/9/2008	D.S. Chandler, sweeping, grasses along saltwater inlet
<i>Pissonotus</i> sp.		
Site 38	8/9/2008	K.G.A. Hamilton, sweeping
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
<i>Prokelisia dolus</i> Wilson		
Site 8	8/10/2008	M.E. Mazurkiewicz, sweeping, <i>Spartina alterniflora</i>
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 16	8/9/2008	K. Hutchins, sweeping, meadow on edge of pond
Site 27	8/9/2008	D.S. Chandler, sweeping, grasses along saltwater inlet
	8/10/2008	C. Rallis, sweeping, tall grasses
Site 28	8/10/2008	J.S. Weaver, sweeping, marsh grass
Site 38	8/9/2008	K.G.A. Hamilton, sweeping
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
Site 96	8/9/2008	M.E. Mazurkiewicz, sweeping, salt marsh— <i>Spartina alterniflora</i>
<i>Sogatella kolophon</i> (Kirkaldy)		
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation
<i>Tumidagena terminalis</i> (Metcalf)		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Site 111	8/11/2008	K.G.A. Hamilton, by hand and sweeping, along shoreline

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**MEMBRACIDAE**


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*Campylenchia latipes* (Say)

Site 3	8/9/2008	A. Alyokhin, sweeping, grass and shrubs
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 16	8/9/2008	J. Hazen-Connelly & R.W. Hildreth, sweeping, small pond
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 27	8/9/2008	C. Rallis, beating, alder
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line

*Enchenopa binotata* (Say)

Site 3	8/9/2008	S. Gross & J. Hoekwater, by hand, wild rose.
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*Publilia concava* (Say)

Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath.

*Stictocephala basalis* (Walker)

Site 1	8/9/2008	J.S. Weaver, sweeping, mostly goldenrod near athletic field
Site 5	8/10/2008	L.T. Miller & D. Burrell, sweeping, open bog
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
Site 25	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
	8/9/2008	T. Murray & J. List, sweeping, sumac
Site 27	8/9/2008	D.S. Chandler, sweeping, alders along road shoulder
Site 38	8/9/2008	K. Hutchins, sweeping, overgrown field
	8/9/2008	K. Hutchins, sweeping, roadside vegetation
Site 86	8/9/2008	S. Gross, by hand
	8/9/2008	W.S. Urquhart, sweeping, <i>Spirea</i>
Site 89	8/9/2008	S. Gross, by hand, beach pea
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line

*Telamona gemma* (Ball)

Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 46	8/10/2008	D. Burrell, sweeping, wet grassy meadow.

## Suborder Heteroptera—the long-horned bugs

Donald S. Chandler, University of New Hampshire, Durham, NH

### ACANTHOSOMATIDAE

#### *Elasmostethus cruciatus* (Say)

Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/10/2008	B. Woo, sweeping, grasses, goldenrod, near gazebo of Sundew Trail
	8/10/2008	T. Miller, sweeping, Moore Auditorium, stand of huckleberry
Site 46	8/10/2008	D. Burrell, beating white birch branches.

#### *Elasmucha lateralis* (Say)

Site 1	8/9/2008	B. Woo, beating, ballfield, bushes
	8/9/2008	C. Rallis, beating, birch, alder, and sumac, picnic area near ballfield
	8/9/2008	J.S. Weaver, sweeping, mostly goldenrod near athletic field
	8/9/2008	P. Darling, sweeping, aspen, edge of ballfield
Site 14	8/9/2008	R.W. Hildreth, sweeping, paper and some gray birches
	8/10/2008	K. Hutchins, beating, white birch
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Site 48	8/10/2008	J.S. Weaver, sweeping mostly alder and white birch, deciduous woods
Site 81	8/10/2008	B. Woo, sweeping, grasses

### ALYDIDAE

#### *Protenor belfragei* Haglund

Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	T. Murray & J. List, sweeping, sumac
Site 94	8/9/2008	M. Tomlinson & J. Hoekwater, sweeping, grasses

### ANTHOCORIDAE

#### *Orius insidiosus* (Say)

Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
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### BELOSTOMATIDAE

#### *Lethocerus americanus* (Leidy)

Site 104	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail
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### BERYTIDAE

#### *Jalysus spinosus* (Say)

Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
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### CORIXIDAE

#### *Hesperocorixa interrupta* (Say)

Site 21	8/9/2008	D.S. Chandler, dip net
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#### *Hesperocorixa* sp.

Site 99	8/10/2008	R.E. Nelson, underwater and surface sweeping, <i>Sphagnum</i> , sedge, <i>Myrica</i> bog
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#### *Sigara* sp.

Site 21	8/9/2008	D.S. Chandler, dip net
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#### *Trichocorixa verticalis* (Fieber)

Site 5	8/10/2008	L. Servier, dip net, marsh
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### CYDNIDAE

#### *Sehirus cinctus* (Palisot)

Site 20	8/9/2008	K. Hutchins, sweeping, meadow with mixed flora
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**CYMIDAE***Cymus discors* Horváth

Site 1 8/9/2008 P. Darling, sweeping, grassy wetland

**GEOCORIDAE***Geocoris bullatus* (Say)

Site 20 8/9/2008 J.H. Connery, by hand and sweeping

**GERRIDAE***Gerris buenoi* Kirkaldy

Site 21 8/9/2008 C. Rallis, dip net

Site 103 8/9/2008 G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

*Gerris marginatus* Say

Site 21 8/9/2008 C. Rallis, dip net

Site 21 8/9/2008 D.S. Chandler, dip net

Site 103 8/9/2008 G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

Site 104 8/9/2008 G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

*Gerris remigis* Say

Site 21 8/9/2008 C. Rallis, dip net

Site 108 8/10/2008 P. Darling, netted from water surface, wetland

*Limnopus dissortis* (Drake & Harris)

Site 21 8/9/2008 D.S. Chandler, dip net

Site 103 8/9/2008 G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

**LYGAEIDAE***Kleidocerys resedae* (Panzer)

Site 1 8/9/2008 A. Alyokhin, beating, alders near bioblitz lab

Site 25 8/9/2008 C. Donahue, sweeping, in field

Site 38 8/9/2008 K. Hutchins, beating, alder

*Lygaeus kalmii* Stål

Site 1 8/10/2008 D. Wade, beating, campground near ballfield, paper birch

*Neortholomus scolopax* (Say)

Site 20 8/9/2008 D. Vacca, sweeping, low shrubs, including lowbush blueberry and spruce shrubs

Site 20 8/9/2008 J. McDade, A. Swann, M. Goff, sweeping

**MESOVELIIDAE***Mesovelia mulsanti* White

Site 103 8/9/2008 G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

**MIRIDAE***Adelphocoris lineolatus* (Goeze)

Site 1 8/9/2008 B. Woo, K. Woo, D. Vacca, sweeping, SERC entrance area, beach pea

*Adelphocoris rapidus* (Say)

Site 83 8/9/2008 D.S. Chandler, sweeping, beach pea

*Collaria meillerii* Provancher

Site 1 8/9/2008 P. Darling, sweeping, grassy wetland

Site 10 8/10/2008 J.S. Weaver, sweeping, salt marsh pond

Site 25 8/9/2008 C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac

Site 28 8/9/2008 D. Bourque &amp; D. Michaud, sweeping, grassy salt marsh, bayberry

Site 35 8/10/2008 D. Michaud, D. Bourque, T. Murray, sweeping, hand picking

Site 38	8/9/2008	K. Hutchins, sweeping, overgrown field
Site 94	8/9/2008	M. Tomlinson & J. Hoekwater, sweeping, grasses
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
<i>Diaphnocoris provancheri</i> (Burque)		
Site 1	8/9/2008	C. Rallis, beating, birch, alder, and sumac, picnic area near ballfield
	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
<i>Fulvius</i> sp.		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Genus? sp. 1		
Site 1	8/10/2008	R.S. Elliott, sweeping, tall timothy grass
Genus? sp. 2		
Site 1	8/9/2008	C. Donahue, beating, alders near bioblitz lab
Genus? sp. 3		
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Genus? sp. 4		
Site 45	8/10/2008	C. Teerling, sweeping, juniper, blueberry, and heather
Genus? sp. 5		
Site 3	8/9/2008	A. Alyokhin, sweeping, grass and shrubs
Genus? sp. 6		
Site 96	8/9/2008	M.E. Mazurkiewicz, sweeping, salt marsh— <i>Spartina patens</i>
Genus? sp. 7		
Site 3	8/9/2008	S. Mori, beating, blue spruce
Genus? sp. 8		
Site 20	8/9/2008	K. Hutchins, sweeping, beach pea
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
Genus? sp. 9		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
<i>Halticus apterus</i> (Linnaeus)		
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
<i>Hyaliodes harti</i> Knight		
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 25	8/9/2008	C. Donahue, sweeping, in field
<i>Ilnacora malina</i> (Uhler)		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
<i>Lopidea</i> sp.		
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
<i>Lygocoris contaninatus</i> (Fallén)		
Site 38	8/9/2008	D. Burrell & L. Miller, beating, alders
Site 48	8/10/2008	C. Rallis, beating, fir, alder, birch away from shore
<i>Lygocoris</i> sp. 1		
Site 8	8/10/2008	A. Alyokhin, sweeping, West Pond Cove, alder tree by salt marsh
<i>Lygocoris viburni</i> (Knight)		
Site 14	8/9/2008	R.W. Hildreth, sweeping, paper and some gray birches
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
<i>Lygocoris vitticollis</i> (Reuter)		
Site 35	8/10/2008	D. Michaud, D. Bourque, T. Murray, sweeping, hand picking
<i>Lygus lineolaris</i> (Palisot)		
Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
Site 20	8/9/2008	J.H. Connery, by hand and sweeping
<i>Lygus</i> sp. 1		
Site 1	8/9/2008	C. Rallis, beating, birch, alder, and sumac, picnic area near ballfield
Site 34	8/9/2008	C. Teerling & A. Pierce, beating, bog, on cedar
Site 94	8/9/2008	J. Hoekwater, hand picked
<i>Lygus</i> sp. 2		
Site 3	8/9/2008	A. Alyokhin, sweeping, grass and shrubs

Site 96	8/9/2008	M.E. Mazurkiewicz, sweeping, salt marsh— <i>Spartina patens</i>
<i>Megaloceroea recticornis</i> (Geoffroy)		
Site 10	8/10/2008	J.S. Weaver, sweeping, salt marsh pond
Site 20	8/9/2008	L. Servier, sweeping, found on grasses and ferns.
<i>Neurocolpus nubilus</i> (Say)		
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 25	8/9/2008	C. Donahue, sweeping, in field
<i>Phytocoris neglectus</i> Knight		
Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/9/2008	C. Donahue, beating, alders near bioblitz lab
	8/9/2008	E. Dearborn, by hand, playground area
	8/9/2008	T. Murray, sweeping, grass and wood edges
Site 2	8/9/2008	C. Rallis, sweep/beat grasses and brush
Site 5	8/10/2008	D. Burrell, beating, <i>Spirea</i> on bog edge
	8/10/2008	M. Dearborn, sweeping, bog
Site 13	8/9/2008	L. Havsall, beating, mountain ash and spruce trees
Site 14	8/9/2008	R.W. Hildreth, sweeping, paper and some gray birches
	8/10/2008	K. Hutchins, beating, white birch
Site 16	8/9/2008	J. Hazen-Connery & R.W. Hildreth, sweeping, small pond
Site 20	8/9/2008	D. Vacca, sweeping, spruce tree
	8/9/2008	D. Vacca, sweeping, low shrubs, including lowbush blueberry and spruce shrubs
Site 25	8/9/2008	C. Donahue, sweeping, in field
	8/9/2008	T. Murray & J. List, sweeping, sumac
Site 27	8/9/2008	D.S. Chandler, sweeping, apple trees along trail
Site 48	8/10/2008	J.S. Weaver, sweeping mostly alder and white birch, deciduous woods
Site 79	8/10/2008	C. Teerling & A. Pierce, beating, yellow birch
Site 81	8/10/2008	B. Woo, sweeping, grasses
Site 105	8/10/2008	K. Hopkins, sweeping, mixed habitat
Site 109	8/10/2008	K. Hopkins, sweeping, sweep tamarack
<i>Phytocoris</i> sp. 1		
Site 17	8/9/2008	A. Pierce, sweeping, <i>Spirea</i> and other plants
Site 25	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
<i>Phytocoris</i> sp. 2		
Site 3	8/9/2008	B. Woo, beating, apple tree
Site 110	8/10/2008	K. Hopkins, sweeping, bayberry
<i>Plagiognathus alboradialis</i> Knight		
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
<i>Plagiognathus flavicornis</i> Knight		
Site 3	8/9/2008	B. Woo, sweeping, grasses
Site 16	8/9/2008	J. Hazen-Connery & R.W. Hildreth, sweeping, small pond
<i>Plagiognathus obscurus</i> Uhler		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
<i>Plagiognathus</i> sp.		
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 25	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
<i>Polymerus venaticus</i> (Uhler)		
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
<i>Prepops circumcinctus</i> (Say)		
Site 16	8/9/2008	J. Hazen-Connery & R.W. Hildreth, sweeping, small pond
Site 46	8/10/2008	A. Alyokhin, sweeping, vegetation, mostly <i>Vaccinium</i>

<i>Prepops</i> sp. 1		
Site 5	8/10/2008	L.T. Miller & D. Burrell, sweeping, open bog
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath.
<i>Prepops</i> sp. 2		
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
<i>Prepops</i> sp. 3		
Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
<i>Slaterocoris</i> sp. 1		
Site 25	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
<i>Slaterocoris</i> sp. 2		
Site 25	8/9/2008	C. Donahue, sweeping, in field
<i>Stenodema pilosipes</i> Kelton		
Site 1	8/10/2008	R.S. Elliott, sweeping, tall timothy grass
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 16	8/9/2008	K. Hutchins, sweeping, meadow on edge of pond
Site 20	8/9/2008	K. Hutchins, sweeping, meadow with mixed flora
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
Site 27	8/9/2008	C. Rallis, beating, alder
	8/9/2008	C. Rallis, sweeping, grasses
Site 38	8/9/2008	K. Hutchins, sweeping, overgrown field
Site 81	8/9/2008	P. Darling, sweeping, vegetation along road
Site 94	8/9/2008	S. Gross, hand picked
Site 101	8/10/2008	W.S. Urquhart, sweeping, dewberry, mountain ash, lichens, ferns, small grasses and etc.
<i>Stenodema trispinosa</i> Reuter		
Site 1	8/10/2008	M. Dearborn, sweeping, shrubs, cabin area
Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 22	8/9/2008	D.S. Chandler, sweeping, ground vegetation
Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
Site 25	8/9/2008	C. Donahue, sweeping, in field
Site 34	8/10/2008	C. Rallis, sweeping, hanging bog, swept grasses, bayberry, wild rhododendron
<i>Stenodema vicina</i> (Provancher)		
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 38	8/9/2008	K.G.A. Hamilton, sweeping.
<i>Trigonotylus coelestialium</i> (Kirkaldy)		
Site 27	8/9/2008	D.S. Chandler, sweeping, grasses along saltwater inlet
<i>Trigonotylus ruficornis</i> (Geoffroy)		
Site 28	8/9/2008	M. Swann, sweeping
	8/10/2008	C. Rallis, drag sweep, marsh
<i>Trigonotylus tarsalis</i> (Reuter)		
Site 16	8/9/2008	K. Hutchins, sweeping, meadow on edge of pond
Site 27	8/9/2008	C. Rallis, beating, alder
<i>Trigonotylus uhleri</i> (Reuter)		
Site 96	8/9/2008	M.E. Mazurkiewicz, sweeping, salt marsh— <i>Spartina alterniflora</i>

**NABIDAE**

<i>Nabis americanoferus</i> Carayon		
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
<i>Nabis roseipennis</i> Reuter		
Site 2	8/9/2008	C. Rallis, sweep/beat grasses and brush
Site 27	8/9/2008	C. Rallis, beating, alder

**NEPIDAE***Ranatra fusca* Palisot

Site 21	8/9/2008	J.S. Weaver, dip net
Site 104	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

**NOTONECTIDAE***Buena confusa* Truxal

Site 21	8/9/2008	C. Rallis, dip net
	8/9/2008	D. Burnell, dip net
	8/9/2008	D.S. Chandler, dip net
	8/9/2008	J.S. Weaver, dip net

*Notonecta insulata* Kirby

Site 104	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail
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*Notonecta irrorata* Uhler

Site 21	8/9/2008	D.S. Chandler, dip net
	8/9/2008	J.S. Weaver, dip net
Site 103	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail
Site 104	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

*Notonecta undulata* Say

Site 21	8/9/2008	C. Rallis, dip net
	8/9/2008	D. Burnell, dip net
	8/9/2008	D.S. Chandler, dip net
	8/9/2008	J.S. Weaver, dip net
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Site 103	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail
Site 104	8/9/2008	G. Mittelhauser, H. Lin, B. Windmiller, dip net, ponds along Powerline Trail

**PENTATOMIDAE***Apateticus cynicus* (Say)

Site 34	8/10/2008	C. Rallis, hanging bog, swept grasses, bayberry, wild rhododendron
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*Banasa dimidiata* (Say)

Site 14	8/10/2008	K. Hutchins, beating, white birch
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*Chlorochroa persimilis* Horváth

Site 20	8/9/2008	P. Darling & K. Hopkins, sweeping
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*Cosmopepla bimaculata* (Thomas)

Site 13	8/9/2008	D. Wade, beating, jack pines
Site 20	8/9/2008	K. Hutchins, sweeping, meadow with mixed flora
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	T. Murray & J. List, sweeping, sumac

*Euschistus variolarius* (Palisot)

Site 20	8/9/2008	J. McDade, A. Swann, M. Goff, sweeping
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*Mormidea lugens* (Fabricius)

Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 27	8/9/2008	C. Rallis, beating, alder
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry

*Perillus exaptus* (Say)

Site 24	8/9/2008	D. Burnell, sweeping, open blueberry heath
	8/9/2008	D. Burrell, sweeping, balsam understory, bunchberry, grasses
Site 34	8/10/2008	J.S. Weaver, sweeping, bayberry

*Picromerus bidens* (Linnaeus)

Site 3	8/9/2008	S. Gross & J. Hoekwater, by hand, wild rose
Site 14	8/10/2008	K. Hutchins, sweeping, sand pit margin
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
Site 94	8/9/2008	M. Tomlinson & J. Hoekwater, sweeping, grasses

**RHYPAROCHROMIDAE***Ligyrocoris diffusus* (Uhler)

Site 1	8/9/2008	T. Murray, sweeping, grass and wood edges
	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 3	8/9/2008	A. Alyokhin, sweeping, grass and shrubs
Site 10	8/10/2008	J.S. Weaver, sweeping, salt marsh pond
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 34	8/10/2008	C. Teerling, sweeping, grasses and bog vegetation
	8/10/2008	C. Rallis, sweeping, hanging bog, swept grasses, bayberry, wild rhododendron
	8/10/2008	J.S. Weaver, sweeping, hanging bog, cotton grass in bog area and other bog plants
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line

*Ligyrocoris sylvestris* (Linnaeus)

Site 27	8/9/2008	C. Rallis, sweeping, grasses
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*Stygnocoris sabulosus* (Schilling)

Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
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**SCUTELLERIDAE***Homaemus aeneifrons* (Say)

Site 34	8/10/2008	C. Teerling, sweeping, grasses and bog vegetation
Site 44	8/9/2008	K. Bowser & K. Eccles, sweeping, small wet area

**THYREOCORIDAE***Corimelaena pulicaria* (Germar)

Site 1	8/10/2008	D. Wade, beating, campground near ballfield, paper birch
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line

**TINGIDAE***Acalypta elegans* Horváth

Site 46	8/10/2008	L.T. Miller, by hand, shaking mosses/ <i>Sphagnum</i> .
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*Corythucha bellula* Gibson

Site 5	8/10/2008	D. Burrell, beating, mountain ash on bog edge
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*Corythucha pallipes* Parshley

Site 21	8/9/2008	J.S. Weaver, dip net
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*Corythucha pergandei* Heidemann

Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
	8/10/2008	L. Yaroch & E. Ackroyd, beating, Moore Auditorium parking area
Site 14	8/9/2008	D. Michaud & D. Bourque, sweeping, hand picking
Site 21	8/9/2008	J.S. Weaver, dip net
Site 24	8/9/2008	L.R. Miller, by hand, alder thicket
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
	8/9/2008	M. Swann, sweeping and hand picking, near old ranger station, open meadow and shrubs
	8/9/2008	T. Murray & J. List, sweeping, sumac
Site 27	8/9/2008	C. Rallis, beating, alder
	8/9/2008	D.S. Chandler, sweeping, alders along road shoulder
Site 28	8/9/2008	D. Bourque & D. Michaud, sweeping, grassy salt marsh, bayberry
Site 38	8/9/2008	K.G.A. Hamilton, sweeping
Site 48	8/10/2008	C. Rallis, beating, fir, alder, birch away from shore

Site 94	8/9/2008	M. Tomlinson, hand pick, alder
Site 95	8/9/2008	L. Miller & D. Burrell, sweeping, grassy areas just above tide line
Site 7477	8/9/2008	

*Stephanitis rhododendri* Horváth

Site 109	8/10/2008	K. Hopkins, sweeping, sweep tamarack
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**VELIIDAE***Microvelia albonotata* Champion

Site 21	8/9/2008	D.S. Chandler, dip net, freshwater pond
Site 28	8/10/2008	C. Rallis, drag sweep, marsh

**Suborder Sternorrhyncha****PSYLLIDAE***Livia* sp.

Site 38	8/9/2008	K.G.A. Hamilton, sweeping
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*Psylla* sp. 1

Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
Site 14	8/10/2008	K. Hutchins, beating, white birch
Site 25	8/9/2008	C. Donahue, sweeping, in field
Site 27	8/9/2008	D.S. Chandler, sweeping, alders along road shoulder
Site 38	8/9/2008	K. Hutchins, beating, alder

*Psylla* sp. 2

Site 3	8/9/2008	J. McDade, A. Swann, J. Seger, M. Goff, sweeping
Site 25	8/9/2008	C. Rallis, sweeping, beating, grasses, goldenrod, alder, and sumac
Site 38	8/9/2008	K. Hutchins, beating, alder

*Psylla* sp. 3

Site 1	8/9/2008	A. Alyokhin, sweeping, roadside vegetation near bioblitz lab
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*Psylla* sp. 4

Site 27	8/9/2008	C. Rallis, beating, alder
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*Psyllidae* sp. 1

Site 14	8/10/2008	K. Hutchins, beating, white birch
Site 20	8/9/2008	J. McDade, A. Swann, M. Goff, sweeping
Site 92	8/9/2008	K.G.A. Hamilton, sweeping, West Pond beach

*Psyllidae* sp. 2

Site 1	8/9/2008	D. Wade, sweeping, meadow, mostly <i>Spirea</i> and goldenrod
Site 24	8/9/2008	D. Burrell, sweeping, balsam understory, bunchberry, grasses

**Order Psocoptera—the bark lice**

Edward L. Mockford, Illinois State University, Normal, IL.

**CAECILIUSIDAE***Valenzuela boreus* (Mockford)

Site 3	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf plants
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*Valenzuela flavidus* (Stephens)

Site 1	8/8/2009	R.G. Dearborn, beating, alders, campus trails
Site 3	8/8/2009	E. Mockford & R. Davidson, beating, spruces with small lichens
Site 5	8/8/2009	S. Kozura, beating, bog margin
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, broad leaf shrubs and birch, shrubs with lichens on twigs
Site 48	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, white birch

*Valenzuela pinicola* (Banks)

Site 9 8/8/2009 D.S. Chandler, sweeping, spruce forest

*Valenzuela* sp.

Site 1 8/8/2009 C. Donahue, beating, red spruce

*Xanthoacacilius* sp. 1

Site 22 8/8/2009 D.S. Chandler, sweeping, by stream

Site 127 8/8/2009 E. Mockford & R. Davidson, beating

8/8/2009 E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf

Site 134 8/8/2009 R.G. Dearborn & L. Servier, beating, red spruce

*Xanthoacacilius* sp. 2

Site 127 8/8/2009 E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf

*Xanthoacacilius sommermanae* (Mockford)

Site 3 8/8/2009 E. Mockford & R. Davidson, beating, broadleaf plants

Site 22 8/8/2009 D.S. Chandler, sweeping vegetation, spruce forest

**DASYDEMELLIDAE***Teliapsocus conterminus* (Walsh)

Site 1 8/8/2009 C. Donahue, beating, red spruce

**EIPSOCIDAE***Bertkauia crosbyana* Chapman

Site 22 8/8/2009 D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat

Site 127 8/8/2009 E. Mockford & R. Davidson, beating, spruce woodland.

**LACHESILLIDAE***Lachesilla* sp. 1

Site 6 8/8/2009 E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern

Site 9 8/8/2009 D.S. Chandler, sweeping, spruce forest

Site 134 8/8/2009 R.G. Dearborn & L. Servier, beating, red spruce

*Lachesilla* sp. 2

Site 134 8/8/2009 R.G. Dearborn & L. Servier, beating, red spruce

**LEPIDOPOSOCIDAE***Echmepteryx hageni* (Packard)

Site 48 8/9/2009 K. Hutchins, beating, alder thicket in cherry and birch hardwoods

**MESOPSOCIDAE***Mesopsocus laticeps* (Kolbe)

Site 48 8/8/2009 C. Donahue & J.S. Weaver, beating, hardwood forest, alders

**PERIPSOCIDAE***Peripsocus alboguttatus* (Dalman)

Site 11 8/8/2009 F. Drummond & E. Groden, sweeping, wetland/pond site

*Peripsocus alboguttatus* complex sp.

Site 9 8/8/2009 D.S. Chandler, sweeping, spruce forest

*Peripsocus madidus* (Hagen)

Site 1 8/8/2009 C. Donahue, beating, white spruce

*Peripsocus* sp.

Site 134 8/8/2009 R.G. Dearborn & L. Servier, beating, red spruce

*Peripsocus subfasciatus* (Rambur)

Site 1 8/8/2009 C. Donahue, beating, red spruce

Site 3 8/8/2009 E. Mockford & R. Davidson, beating, broadleaf plants



Site 6	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern
Site 12	8/8/2009	E. Groden, beating cedar branches, cedar bog
Site 22	8/8/2009	D.S. Chandler, beating, spruce forest
	8/8/2009	D.S. Chandler, sweeping, spruce forest
	8/8/2009	D.S. Chandler, sweeping, by stream
	8/8/2009	J.S. Weaver, beating, dead spruce by side of road
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
	8/8/2009	E. Mockford & R. Davidson, beating, broad leaf shrubs and birch, shrubs with lichens on twigs
	8/8/2009	M. Gross, beating, dead fir tree
Site 127	8/8/2009	E. Mockford & R. Davidson, beating
	8/8/2009	E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, red spruce

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**PHILOARSIDAE**


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*Philotarsus parviceps* Roesler

Site 1	8/8/2009	C. Donahue, beating, red spruce
	8/8/2009	D. Manski, Moore Auditorium
	8/8/2009	D. Vacca & B. Woo, sweeping, beating, near gym on shrub
Site 3	8/8/2009	E. Mockford & R. Davidson, beating, spruces with small lichens
	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf plants
Site 5	8/8/2009	S. Kozura, beating, bog margin
Site 6	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern
Site 9	8/8/2009	D.S. Chandler, sweeping, spruce forest
	8/8/2009	J.S. Weaver, sweeping
Site 16	8/8/2009	K. Hutchins, beating, tamarack
Site 22	8/8/2009	D.S. Chandler, sweeping, spruce forest
	8/8/2009	J.S. Weaver, beating, dead spruce by side of road
	8/8/2009	S. Kozura, beating, road by side of stream
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, broad leaf shrubs and birch, shrubs with lichens on twigs
Site 44	8/8/2009	I. Gross, sweeping
Site 127	8/8/2009	E. Mockford & R. Davidson, beating
	8/8/2009	E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, dead spruce

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**PSOCIDAE**


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*Blaste subquieta* (Chapman)

Site 16	8/8/2009	D.S. Chandler, sweeping, larch and white cedar bog
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*Hyalopsocus* sp.

Site 116	8/8/2009	B. Woo, by hand, tide pool in rocks, off of Sundew Trail
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*Metylophorus novaescotiae* (Walker)

Site 5	8/8/2009	S. Kozura, beating, bog margin
Site 6	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern
Site 16	8/8/2009	D.S. Chandler, sweeping, larch and white cedar bog
	8/8/2009	K. Hutchins, beating, tamarack
Site 22	8/8/2009	D.S. Chandler, sifting-berlesing, deciduous leaf litter, riparian habitat
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems

	8/8/2009	E. Mockford & R. Davidson, beating, broad leaf shrubs and birch, shrubs with lichens on twigs
	8/8/2009	M. Gross, beating, dead fir tree
	8/8/2009	S. Gross, beating, ferns in woods
<i>Metylophorus purus</i> (Walsh)		
Site 48	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, white birch
Site 48	8/9/2009	K. Hutchins, beating, alder thicket in cherry and birch hardwoods
<i>Ptyctya polluta</i> (Walsh)		
Site 1	8/8/2009	C. Donahue, beating, red spruce
Site 3	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf plants
Site 22	8/8/2009	D.S. Chandler, beating, spruce forest
	8/8/2009	D.S. Chandler, sweeping, spruce forest
	8/8/2009	J.S. Weaver, beating, dead spruce by side of road
	8/8/2009	S. Kozura, beating, road by side of stream
Site 31	8/8/2009	F. Drummond, beating, scrub spruce/fir
Site 39	8/8/2009	M. Gross, beating, dead fir tree
Site 127	8/8/2009	E. Mockford & R. Davidson, sifting, moist litter, bases of rocks, mostly broadleaf
<i>Trichadenotecnum slossonae</i> (Banks)		
Site 22	8/8/2009	D.S. Chandler, sweeping, by stream
Site 48	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, cherry.
<i>Trichadenotecnum</i> sp.		
Site 3	8/8/2009	E. Mockford & R. Davidson, beating, spruces with small lichens
Site 6	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern
Site 39	8/8/2009	E. Mockford & R. Davidson, beating, broad leaf shrubs and birch, shrubs with lichens on twigs
Site 48	8/8/2009	C. Donahue & J.S. Weaver, beating, hardwood forest, alders
Site 134	8/8/2009	R.G. Dearborn & L. Servier, beating, red spruce

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#### STENOPSOCIDAE

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##### *Graphoderus cruciatus* (Linnaeus)

Site 6	8/8/2009	E. Mockford & R. Davidson, beating, broadleaf shrubs and dead fern
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#### TROGIIDAE

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##### *Cerobasis* sp.

Site 39	8/8/2009	E. Mockford & R. Davidson, beating, stunted spruces with lichens on stems
Site 44	8/8/2009	I. Gross, sweeping
Site 127	8/8/2009	E. Mockford & R. Davidson, beating

## Order Coleoptera—the beetles

Donald S. Chandler, University of New Hampshire, Durham, NH.

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#### ANOBIIDAE

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##### *Ernobius mollis* (Linnaeus)

Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
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#### ANTHICIDAE

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##### *Anthicus melancholicus* LaFerté-Senéctère

Site 14	7/17/2005	C. Peters, sweeping, alders
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**APIONIDAE**

<i>Apion</i> sp. 1		
Site 1	7/16/2005	R. Webster, by hand
<i>Apion</i> sp. 2		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs

**ARTEMATOPIIDAE**

<i>Eurypogon niger</i> (Melsheimer)		
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest

**ATTELABIDAE**

<i>Himatolabus pubescens</i> (Say)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

**BUPRESTIDAE**

<i>Agrilus cuprescens</i> (Ménétriés)		
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
<i>Agrilus ruficollis</i> (Fabricius)		
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
<i>Buprestis maculiventris</i> (Say)		
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, coniferous forest litter
<i>Chrysobothris trinervia</i> (Kirby)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Phaenops fulvoguttata</i> (Harris)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station

**CANTHARIDAE**

<i>Cantharis livida</i> Linnaeus		
Site 1	7/16/2005	E. Connery, hand collecting
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	J. McClarin, ultraviolet light, Schoodic Shores apartments, lawn
	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 15	7/16/2005	Letsch & Letsch, netting and hand collecting
<i>Cantharis rotundicollis</i> Say		
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 14	7/17/2005	R. Webster & V. Webster, beating, sweeping foliage
<i>Cantharis tuberculata</i> (LeConte)		
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
<i>Malthodes concavus</i> (LeConte)		
Site 1	7/17/2005	A. Alyokhin, sweeping, edge between vegetation and rocky shore along Sundew Trail
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

*Malthodes fragilis* (LeConte)

Site 1	7/17/2005	A. Alyokhin, sweeping, grass along shore of West Pond
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 11	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
Site 22	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
	7/17/2005	D.S. Chandler, yellow pan trap, coniferous forest

*Malthodes parvulus* (LeConte)

Site 13	7/17/2005	K. Hopkins, sweeping, vegetation
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*Podabrus diadema* (Fabricius)

Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area

*Podabrus intrusus* Green

Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.

*Podabrus limbellus* LeConte

Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area

*Podabrus puberulus* LeConte

Site 1	7/17/2005	R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station

*Podabrus punctatus* LeConte

Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area

*Podabrus* sp. 1

Site 14	7/16/2005	F. Génier, beating and hand collecting
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*Podabrus* sp. 2

Site 14	7/16/2005	F. Génier, beating and hand collecting
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*Podabrus* sp. 3

Site 14	7/16/2005	F. Génier, beating and hand collecting
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*Rhagonycha fraxini* (Say)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	A. Alyokhin, sweeping, edge between vegetation and rocky shore along Sundew Trail
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	J. McClarin, by hand, near apartments, taken under bark, wood
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 8	7/16/2005	M.E. Mazurkiewicz, aerial netting, on blue flag iris
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 11	7/16/2005	D. Michaud et al., sweeping, pond perimeter

	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 12	7/16/2005	R.W. Hildreth, sweeping
	7/17/2005	R.W. Hildreth, mercury vapor light
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	C. Peters, sweeping, alders
	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
	7/17/2005	R.W. Hildreth, sweeping, alders
Site 18	7/16/2005	E. West, beat shrubs, trees, coniferous shrubs
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders
Site 22	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
Site 31	7/16/2005	J.S. Weaver, sweeping, by hand, alder/maple
	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 35	7/17/2005	T. & S. Hayward, sweeping, <i>Sphagnum</i> bog, mostly sweet gale, pitcher plant
<i>Rhagonycha imbecillis</i> (LeConte)		
Site 6	7/17/2005	C. Graham, aspirator, on leaves of blueberry
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating
<i>Rhagonycha mollis</i> (Fall)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/16/2005	J.S. Weaver, by hand and sweeping, blueberries
	7/17/2005	C. Graham, aspirator, on leaves of blueberry
	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 11	7/16/2005	D. Michaud et al., sweeping, pond perimeter
	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 12	7/16/2005	R.W. Hildreth, sweeping
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
	7/17/2005	R.W. Hildreth, sweeping, alders
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating
<i>Rhagonycha nanula</i> (LeConte)		
Site 35	7/17/2005	T. & S. Hayward, sweeping, <i>Sphagnum</i> bog, mostly sweet gale, pitcher plant
<i>Rhagonycha oriflava</i> LeConte		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 12	7/17/2005	R.W. Hildreth, mercury vapor light
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/17/2005	R.W. Hildreth, sweeping, alders
Site 22	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
Site 30	7/16/2005	C. Peters, by hand

Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
<i>Rhagonycha recta</i> (Melsheimer)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 14	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc
Site 35	7/17/2005	T. & S. Hayward, sweeping, <i>Sphagnum</i> bog, mostly sweet gale, pitcher plant
<i>Rhagonycha scitula</i> (Say)		
Site 14	7/17/2005	C. Graham, aspirator, forest edge
<i>Rhagonycha</i> sp. 1		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Rhagonycha</i> sp. 2		
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs

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**CARABIDAE**


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<i>Agonum mutatum</i> (Gemminger & Harold)		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
<i>Agonum placidum</i> (Say)		
Site 1	7/15/2005	J. McClarin, pitfall/dung beetle trap, near Schoodic Shores apartments
	7/15/2005	J. McClarin, uv light trap, Schooner Club
<i>Agonum retractum</i> LeConte		
Site 1	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 10	7/16/2005	C. Peters, by hand, on flowers and under rocks
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, coniferous forest litter
Site 38	7/17/2005	E. West, pitfall trap, entrance exhibit area
<i>Amara aenea</i> (DeGeer)		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
<i>Amara</i> sp.		
Site 14	7/17/2005	C. Peters, sweeping, alders
<i>Bembidion concretum</i> Casey		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
<i>Bembidion fortetrium</i> (Motschulsky)		
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, alder thicket litter
<i>Bembidion lacunarium</i> (Zimmerman)		
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
<i>Bembidion mimus</i> Hayward		
Site 6	7/17/2005	C. Graham, aspirator, on leaves of blueberry
<i>Blethisa quadricollis</i> Haldeman		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
<i>Calathus ingratus</i> Dejean		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
<i>Carabus nemoralis</i> Müller		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Chlaenius sericeus</i> (Forster)		
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Cymindis limbata</i> Dejean		
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
	7/17/2005	J.F. Crow & J.S. Weaver, funnel trap, jack pine stand

<i>Dromius piceus</i> Dejean		
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
<i>Dyschirius politus</i> (Dejean)		
Site 16	7/17/2005	D.S. Chandler, yellow pan trap
<i>Harpalus affinis</i> (Schrank)		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
<i>Harpalus pensylvanicus</i> (DeGeer)		
Site 1	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Harpalus rufipes</i> (DeGeer)		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Notiophilus aquaticus</i> (Linnaeus)		
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Notiophilus novemstriatus</i> LeConte		
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Platynus decens</i> (Say)		
Site 1	7/17/2005	K. Hopkins, near carcass of dead squirrel, in coniferous forest near Schooner Club
Site 3	7/17/2005	C. Donahue & E. West, pitfall trap
Site 11	7/17/2005	D.S. Chandler, barrier pitfall trap, alder thicket
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
<i>Platynus mannerheimii</i> (Dejean)		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 22	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
<i>Pseudamara arenaria</i> (LeConte)		
Site 14	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
<i>Pterostichus coracinus</i> (Newman)		
Site 12	7/17/2005	R.W. Hildreth, pitfall traps
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
<i>Pterostichus patruelis</i> (Dejean)		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog.
<i>Pterostichus pensylvanicus</i> LeConte		
Site 14	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc
Site 29	7/16/2005	R.G. Mack, by hand, under rocks, logs, leaf litter, conifers, <i>Betula</i> , some ash
<i>Sphaeroderus canadensis</i> Chaudoir		
Site 1	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
Site 12	7/16/2005	R.W. Hildreth, hand collected, in litter layer
Site 29	7/16/2005	R.G. Mack, by hand, under rocks, logs, leaf litter, conifers, <i>Betula</i> , some ash.
<i>Sphaeroderus stenostomus lecontei</i> Dejean		
Site 23	7/17/2005	D.S. Chandler, yellow pan trap, coniferous forest

Site 38	7/17/2005	E. West, pitfall trap, entrance exhibit area
<i>Stenolophus conjunctus</i> (Say)		
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Stenolophus lineola</i> (Fabricius)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Syntomus americanus</i> (Dejean)		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
<i>Synuchus impunctatus</i> (Say)		
Site 1	7/15/2005	J. McClarin, moss dehydrator, from moss near Schoodic Shores apartments
	7/15/2005	J. McClarin, uv light trap, Schooner Club
	7/16/2005	E. Connery, hand collecting
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
Site 9	7/17/2005	C. Donahue & E. West, pitfall trap
Site 12	7/16/2005	R.W. Hildreth, hand collected, in litter layer
	7/17/2005	R.W. Hildreth, pitfall traps
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
Site 22	7/17/2005	D.S. Chandler, barrier pitfall trap, alder thicket
Site 23	7/17/2005	D.S. Chandler, barrier pitfall trap, coniferous forest
	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
	7/17/2005	D.S. Chandler, yellow pan trap, coniferous forest
Site 29	7/16/2005	R.G. Mack, by hand, under rocks, logs, leaf litter, conifers, <i>Betula</i> , some ash
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Trechus apicalis</i> Motschulsky		
Site 1	7/15/2005	J. McClarin, moss dehydrator, from moss near Schoodic Shores apartments
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, coniferous forest litter
Site 30	7/16/2005	C. Peters, by hand

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**CERAMBYCIDAE**


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<i>Acmaeops proteus</i> (Kirby)		
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Analeptura lineola</i> Linsley & Chemsak		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Brachyleptura champlaini</i> Casey		
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Clytus ruricola</i> (Olivier)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 4	7/17/2005	J.F. Crow & J.S. Weaver, funnel trap with longhorn beetle lure, in alder thicket, hanging from maple tree
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Evodinus monticola</i> (Randall)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest



Site 30	7/16/2005	C. Peters, by hand
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 37	7/17/2005	K. Hopkins, by hand, nectaring on flower
<i>Judolia montivagans</i> (Couper)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 37	7/17/2005	K. Hopkins, by hand, nectaring on flower
<i>Lepturobosca chrysocoma</i> (Kirby)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
<i>Monochamus scutellatus</i> (Say)		
Site 1	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
<i>Pidonia ruficollis</i> (Say)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc
Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
	7/17/2005	J.S. Weaver & J.F. Crow, funnel trap
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Ropalopus sanguinicollis</i> (Horn)		
Site 14	7/17/2005	R. Webster & V. Webster, beating, sweeping foliage.
<i>Saperda candida</i> Fabricius		
Site 1	8/8/2009	D. Bourque, by hand, near bioblitz lab
<i>Saperda imitans</i> Felt & Joutel		
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Cerambycidae</i> sp.		
Site 81	8/8/2009	K. Hutchins, netting, along shoreline in grass
<i>Strangalepta abbreviata</i> (Germar)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 9	7/16/2005	J.S. Weaver, sweeping, <i>Spirea</i> flowers
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Trachysida mutabilis</i> (Newman)		
Site 1	7/16/2005	E. Connery, hand collecting
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

*Tragosoma deparium* (Linnaeus)

Site 9 7/16/2005 J.F. Crow, at light, in coniferous forest

**CHRYSOMELIDAE***Altica* sp. 1

Site 2 7/17/2005 R. Webster, M.-A. Giguère, V. Webster, sweeping and beating foliage, shrub/forest edge near pump house  
 Site 3 7/17/2005 H. & A. Howden, beating, netting, around picnic area, shrubs  
 Site 6 7/17/2005 R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest  
 Site 31 7/16/2005 R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station  
 Site 35 7/17/2005 T. & S. Hayward, sweeping, *Sphagnum* bog, mostly sweet gale, pitcher plant

*Calligrapha rowena* Knab

Site 2 7/17/2005 R.E. & N.K. Nelson, black light trap, pumping station  
 Site 31 7/16/2005 J.S. Weaver, sweeping, by hand, alder/maple

*Capraita circumdata* (Randall)

Site 13 7/16/2005 D. Michaud et al., sweeping, jack pines

*Charidotella purpurata* (Boheman)

Site 3 7/17/2005 H. & A. Howden, beating, netting, around picnic area, shrubs

*Chrysolina quadrigemina* (Suffrian)

Site 1 7/16/2005 R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area

*Cryptocephalus gibbicollis* Haldeman

Site 7 7/17/2005 R.G. Mack, by hand, moist areas, sheepkill, shrubby *Sphagnum* moss areas, some grasses

*Cryptocephalus notatus* Fabricius

Site 1 7/17/2005 H. & A. Howden, beating, netting, hand collecting  
 Site 4 7/16/2005 C. Donahue & E. West, sweeping, beating, coniferous shrubs  
 Site 5 7/16/2005 R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in *Sphagnum* bog with emergent vegetation  
 Site 6 7/16/2005 J.S. Weaver, by hand and sweeping, blueberries  
 7/17/2005 C. Graham, aspirator, on leaves of blueberry  
 7/17/2005 R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest  
 Site 14 7/17/2005 C. Graham, aspirator, forest edge

*Deloyala guttata* (Olivier)

Site 3 7/17/2005 H. & A. Howden, beating, netting, around picnic area, shrubs  
 Site 13 7/16/2005 D. Michaud et al., sweeping, jack pines

*Disonycha collata* (Fabricius)

Site 3 7/16/2005 D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area

*Donacia caerulea* Olivier

Site 1 7/17/2005 S. Hayward, sweeping  
 Site 13 7/16/2005 D. Michaud et al., sweeping, jack pines

*Mantura chrysanthemi* (Koch)

Site 1 7/16/2005 J. McClarin, sweeping, powerline path near Schoodic Shores  
 7/16/2005 J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs  
 7/16/2005 R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area

*Pachybrachis nigricornis* (Say)

Site 1 7/17/2005 H. & A. Howden, beating, netting, hand collecting  
 Site 6 7/17/2005 R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest.

*Pachybrachis* sp. 1

Site 4 7/16/2005 C. Donahue & E. West, sweeping, beating, coniferous shrubs  
 Site 6 7/17/2005 R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest

<i>Paria fragariae</i> Wilcox		
Site 14	7/17/2005	C. Peters, sweeping, alders
<i>Phratora purpurea</i> Brown		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Phyllobrotica decorata</i> (Say)		
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
<i>Phyllotreta striolata</i> (Fabricius)		
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
<i>Plateumaris rufa</i> (Say)		
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
<i>Psylliodes affinis</i> (Paykull)		
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
<i>Sumitrosis inaequalis</i> (Weber)		
Site 1	7/16/2005	J. McClarin, sweeping, flowers, leaves, plants around ballfield
Site 12	7/16/2005	R.W. Hildreth, sweeping
<i>Tricholochmaea cavicollis</i> (LeConte)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Tricholochmaea decora</i> (Say)		
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
Site 9	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/17/2005	R. Webster & V. Webster, beating, sweeping foliage
	7/17/2005	R.W. Hildreth, sweeping, alders
<i>Tricholochmaea kalmiae</i> (Fall)		
Site 1	7/16/2005	J. McClarin, sweeping, powerline path near Schoodic Shores
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 7	7/17/2005	R.G. Mack, by hand, moist areas, sheepkill, shrubby <i>Sphagnum</i> moss areas, some grasses
Site 35	7/17/2005	T. & S. Hayward, sweeping, <i>Sphagnum</i> bog, mostly sweet gale, pitcher plant
<i>Tricholochmaea vaccinii</i> (Fall)		
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station

**CIIDAE***Cis levettei* (Casey)

Site 11	7/17/2005	R. Webster & V. Webster, by hand, from bracket fungi on birch
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**CLERIDAE***Isohydnocera curtippennis* (Newman)

Site 17	7/17/2005	R. Webster & V. Webster, sweeping, shoreline area, nettles, jewelweed, etc.
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

*Phyllobaenus humeralis* (Say)

Site 6	7/16/2005	E. West, sweeping, beating
	7/17/2005	C. Graham, aspirator, on leaves of blueberry
	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest

*Phyllobaenus lecontei* (Wollcott)

Site 14	7/16/2005	F. Génier, beating and hand collecting
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**COCCINELLIDAE***Coccidophilus marginatus* (LeConte)

Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
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*Coccinella septempunctata* Linnaeus

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	E. King, hand picked
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 14	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging

*Harmonia axyridis* Pallas

Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
Site 14	7/17/2005	C. Peters, sweeping, alders
Site 15	7/16/2005	Letsch & Letsch, netting and hand collecting

*Mulsantia picta* (Randall)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh

*Propylea quatuordecimpunctata* (Linnaeus)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
Site 14	7/17/2005	R. Webster & V. Webster, beating, sweeping foliage
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders

*Psyllobora vigintimaculata* (Say)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 7	7/17/2005	R.G. Mack, by hand, moist areas, sheepkill, shrubby <i>Sphagnum</i> moss areas, some grasses

**CURCULIONIDAE***Acanthoscelidius acephalus* (Say)

Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh

*Acoptus suturalis* LeConte

Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
Site 14	7/17/2005	R. Webster & V. Webster, beating, sweeping foliage
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating

*Anthonomus corvulus* LeConte

Site 2	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, sweeping and beating foliage, shrub/forest edge near pump house
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 14	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.

Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
<i>Anthonomus lecontei</i> Burke		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
<i>Anthonomus musculus</i> Say		
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
<i>Anthonomus quadrigibbus</i> (Say)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Anthonomus signatus</i> Say		
Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
<i>Barypeithes pellucidus</i> (Boheman)		
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
<i>Ceutorhynchus pusio</i> Mannerheim		
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
<i>Ceutorhynchus pallidactylus</i> (Marsham)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
<i>Conotrachelus nenuphar</i> (Herbst)		
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
<i>Dendroctonus simplex</i> LeConte		
Site 16	7/17/2005	J.F. Crow & J.S. Weaver, funnel trap with alpha-pinene & ethyl alcohol lures
<i>Dryocoetes granicollis</i> (LeConte)		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Dryophthorus americanus</i> Bedel		
Site 1	7/15/2005	J. McClarin, moss dehydrator, from moss near Schoodic Shores apartments
<i>Hylesinus aculeatus</i> Say		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
<i>Hylobius congener</i> Dalle Torre et al.		
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
<i>Hylobius warreni</i> Wood		
Site 1	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
<i>Hypera nigrirostris</i> (Fabricius)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Hypera zoilus</i> (Scopoli)		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Ips pini</i> (Say)		
Site 38	8/9/2008	K. Hutchins, beating, alder
<i>Isochnus rufipes</i>		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	E. King, hand picked
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Listronotus sparsus</i> (Say)		
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines

Site 16	7/17/2005	D.S. Chandler, yellow pan trap
<i>Magdalis</i> sp. 1		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 18	7/17/2005	E. West, by hand
<i>Orchestes pallicornis</i> (Say)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/17/2005	C. Graham, aspirator, forest edge
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
<i>Otiorhynchus ligneus</i> (Olivier)		
Site 1	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
<i>Otiorhynchus ovatus</i> (Linnaeus)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
<i>Otiorhynchus singularis</i> (Linnaeus)		
Site 1	7/15/2005	J. McClarin, moss dehydrator, from moss near Schoodic Shores apartments
	7/16/2005	E. West, beating, shrubs at edge of the baseball field
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 12	7/16/2005	R.W. Hildreth, sweeping
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 22	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
Site 28	7/16/2005	C. Gibbs, aquatic net, very small stream
Site 35	7/17/2005	T. & S. Hayward, sweeping, <i>Sphagnum</i> bog, mostly sweet gale, pitcher plant
<i>Otiorhynchus sulcatus</i> (Fabricius)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 37	7/17/2005	K. Hopkins, by hand, nectaring on flower
<i>Phyllobius intrusus</i> Kôno		
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Phyllobius oblongus</i> (Linnaeus)		
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
<i>Pissodes fiskei</i> Hopkins		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 9	7/17/2005	J.F. Crow & J.S. Weaver, funnel trap, jack pine stand
<i>Pissodes</i> sp.		
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Polydrusus cervinus</i> (Linnaeus)		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field

	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 12	7/16/2005	R.W. Hildreth, sweeping
Site 14	7/17/2005	R.W. Hildreth, sweeping, alders
<i>Polydrusus sericeus</i> (Schaller)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Polygraphus rufipennis</i> (Kirby)		
Site 26	7/17/2005	E. West, funnel trap (ethanol lure)
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
<i>Pseudanthonomus validus</i> Dietz		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Rhyncolus brunneus</i> Mannerheim		
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Rhyncolus macrops</i> Buchanan		
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Sciaphilus asperatus</i> (Bonsdorff)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Sitona lepidus</i> Gyllenhal		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
Site 35	7/17/2005	T. & S. Hayward, sweeping, <i>Sphagnum</i> bog, mostly sweet gale, pitcher plant
<i>Sitona lineellus</i> (Bonsdorff)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
<i>Sphenophorus parvulus</i> (Gyllenhal)		
Site 1	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
<i>Strophosoma melanogrammum</i> (Forster)		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 3	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 12	7/17/2005	R. Webster & V. Webster, dip net, spruce forest, most from saturated <i>Sphagnum</i> in small shaded brook
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
	7/17/2005	R.W. Hildreth, sweeping, alders
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

*Tychius stephensi* Schönherr

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs

*Xyleborus dispar* (Fabricius)

Site 9	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure
Site 38	7/17/2005	C. Donahue & E. West, Lindgren funnel with ethanol trap, near entrance exhibit

**DERMESTIDAE***Anthrenus verbasci* (Linnaeus):

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 9	7/16/2005	J.S. Weaver, sweeping, <i>Spirea</i> flowers

*Dermestes lardarius* Linnaeus

Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
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**DYTISCIDAE***Agabus bifarius* (Kirby)

Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
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*Agabus erythropterus* (Say)

Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
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*Agabus inscriptus* (Crotch)

Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
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*Agabus larsoni* (Fery & Nilsson)

Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog

*Agabus seriatus* (Say)

Site 14	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
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*Colymbetes sculptilis* Harris

Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
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*Desmopachria convexa* (Aubé)

Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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*Hydrocolus paugus* (Fall)

Site 19	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, dip net, spruce fir forest, in saturated <i>Sphagnum</i> pools on trail
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*Hydrocolus persimilis* (Crotch)

Site 12	7/17/2005	R. Webster & V. Webster, dip net, spruce forest, most from saturated <i>Sphagnum</i> in small shaded brook
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, alder thicket litter

*Hydrocolus stagnalis* (Gemminger & Harold)

Site 12	7/17/2005	R. Webster & V. Webster, dip net, spruce forest, most from saturated <i>Sphagnum</i> in small shaded brook.
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*Hydroporus badiellus* Fall

Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
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*Hydroporus puberulus* LeConte

Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 19	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, dip net, spruce fir forest, in saturated <i>Sphagnum</i> pools on trail



<i>Hygrotus laccophilinus</i> (LeConte)		
Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
<i>Hygrotus sayi</i> Balfour-Brown		
Site 21	7/16/2005	H. & C. Gibbs, aquatic net
	8/12/2008	D.S. Chandler, dip net, freshwater pond
<i>Ilybius biguttulus</i> (Germar)		
Site 21	7/16/2005	H. & C. Gibbs, aquatic net
	8/12/2008	D.S. Chandler, dip net, freshwater pond
<i>Ilybius discedens</i> Sharp		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
<i>Liodessus fuscatus</i> (Crotch)		
Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
<i>Neoporus undulatus</i> (Say)		
Site 21	7/16/2005	H. & C. Gibbs, aquatic net

**ELATERIDAE**

<i>Agriotella bigeminata</i> (Randall)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 11	7/16/2005	D. Michaud et al., sweeping, pond perimeter
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
<i>Agriotes collaris</i> (LeConte)		
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Ampedus mixtus</i> (Herbst)		
Site 1	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 7	7/17/2005	R.G. Mack, by hand, moist areas, sheepkill, shrubby <i>Sphagnum</i> moss areas, some grasses
Site 19	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, dip net, spruce fir forest, in saturated <i>Sphagnum</i> pools on trail
<i>Ampedus nigricans</i> (Germar)		
Site 1	7/17/2005	S. Hayward, sweeping
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 7	7/17/2005	R.G. Mack, by hand, moist areas, sheepkill, shrubby <i>Sphagnum</i> moss areas, some grasses
Site 14	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
<i>Ampedus</i> sp.		
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Ampedus subtilis</i> (LeConte)		
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
<i>Athous productus</i> (Randall)		
Site 1	7/17/2005	R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin.
<i>Athous rufifrons</i> (Randall)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting

<i>Ctenicera</i> sp.		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field
Site 22	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
<i>Dalopius cognatus</i> Brown		
Site 1	7/16/2005	E. Connery, hand collecting
	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	A. Alyokhin, sweeping, grass along shore of West Pond
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/16/2005	E. West, sweeping, beating
	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 7	7/17/2005	R.G. Mack, by hand, moist areas, sheepkill, shrubby <i>Sphagnum</i> moss areas, some grasses
Site 12	7/17/2005	R.W. Hildreth, mercury vapor light
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
	7/17/2005	K. Hopkins, sweeping, vegetation
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spiraea</i> , etc.
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
	7/17/2005	R.W. Hildreth, sweeping, alders
Site 24	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure
Site 30	7/16/2005	C. Peters, by hand
Site 31	7/16/2005	J.S. Weaver, sweeping, by hand, alder/maple
	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas
Site 38	7/17/2005	C. Donahue & E. West, Lindgren funnel with ethanol trap, near entrance exhibit
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating
<i>Dalopius</i> sp. 1		
Site 14	7/16/2005	F. Génier, beating and hand collecting
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
	7/17/2005	R.W. Hildreth, sweeping, alders
<i>Denticollis denticornis</i> (Kirby)		
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
<i>Hadromorphus inflata</i> (Say)		
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating
<i>Hemicrepidius brevicollis</i> (Candèze)		
Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
<i>Limonius aeger</i> LeConte		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.

<i>Liotrichus spinosus</i> (LeConte)		
Site 1	7/17/2005	J. McClarin, by hand, near apartments, taken under bark, wood
<i>Melanotus communis</i> (Gyllenhal)		
Site 1	7/15/2005	J. McClarin, uv light trap, Schooner Club
<i>Melanotus dichrous</i> (Erichson)		
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
<i>Melanotus similis</i> (Kirby)		
Site 1	7/16/2005	E. Connery, hand collecting
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 6	7/17/2005	C. Donahue & E. West, Lindgren funnel trap with ethanol lure
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
<i>Nitidolimonius resplendens</i> (Eschscholtz)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Prosternon mediana</i> (Germar)		
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 14	7/16/2005	F. Génier, beating and hand collecting
<i>Pseudanostirus triundulatus</i> (Randall)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating
<i>Selatosomus appropinquans</i> (Randall)		
Site 3	7/17/2005	F. Génier, Hand collecting, on beach
<i>Selatosomus splendens</i> (Ziegler)		
Site 9	7/17/2005	J.F. Crow & J.S. Weaver, funnel trap, jack pine stand
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
<i>Sericus honestus</i> (Randall)		
Site 10	7/16/2005	C. Peters, by hand, on flowers and under rocks

**ELMIDAE***Stenelmis cheryl* Brown

Site 1	7/15/2005	J. McClarin, uv light trap, Schooner Club
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**ENDOMYCHIDAE***Mycetina perpulchra* (Newman)

Site 25	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure.
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**EUCNEMIDAE***Epiphanis cornutus* (Eschscholtz)

Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
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**GYRINIDAE***Gyrinus affinis* Aubé

Site 21	7/16/2005	J.S. Weaver, dip netting, alders
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*Gyrinus borealis* Aubé

Site 21	7/16/2005	H. & C. Gibbs, aquatic net
	7/16/2005	J.S. Weaver, dip netting, alders
	7/16/2005	Letsch & Letsch, dip net, on pond surface.

*Gyrinus sayi* Aubé

Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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**HALIPLIDAE***Haliplus immaculicollis* Harris

Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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**HETEROCERIDAE***Heterocerus mollinus* Kiesenwetter

Site 16	7/17/2005	D.S. Chandler, barrier pitfall trap, salt marsh
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**HISTERIDAE***Hister depurator* Say

Site 1	7/17/2005	J. McClarin, carrion beetle traps, near Schoodic Shores apartments
	7/17/2005	J. McClarin, dung beetle trap, near Schoodic Shores apartments

*Hister furtivus* LeConte

Site 1	7/17/2005	F. Génier, dung trap
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*Margarinotus brunneus* (Fabricius)

Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders
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*Margarinotus faedatus* (LeConte)

Site 1	7/16/2005	J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments
	7/17/2005	F. Génier, dung trap
	7/17/2005	J. McClarin, carrion beetle traps, near Schoodic Shores apartments

**HYDROPHILIDAE***Anacaena limbata* (Fabricius)

Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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*Crenitis* sp.

Site 12	7/17/2005	R. Webster & V. Webster, dip net, spruce forest, most from saturated <i>Sphagnum</i> in small shaded brook
Site 19	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, dip net, spruce fir forest, in saturated <i>Sphagnum</i> pools on trail
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, alder thicket litter

*Cymbiodyta vindicata* Fall

Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
Site 12	7/17/2005	R. Webster & V. Webster, dip net, spruce forest, most from saturated <i>Sphagnum</i> in small shaded brook
Site 19	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, dip net, spruce fir forest, in saturated <i>Sphagnum</i> pools on trail

*Enochrus consortus* Green

Site 21	8/12/2008	D.S. Chandler, dip net, freshwater pond
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<i>Enochrus perplexus</i> (LeConte)		
Site 10	7/17/2005	K. Hopkins, hand picked, intertidal pool, N end of salt marsh
<i>Paracymus despectus</i> LeConte		
Site 10	7/17/2005	K. Hopkins, hand picked, intertidal pool, N end of salt marsh
<i>Paracymus subcupreus</i> (Say)		
Site 5	7/16/2005	R. Webster & M.-A. Giguère, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog

**LAMPYRIDAE***Ellychnia corrusca* (Linnaeus)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	D. Wang, by hand, Sundew Trail, in freshwater pool along rocks and in ground cover at edge of intertidal area
Site 14	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.
	7/16/2005	F. Génier, beating and hand collecting
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	C. Peters, sweeping, alders
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc
Site 15	7/16/2005	Letsch & Letsch, netting and hand collecting
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 38	7/17/2005	C. Donahue & E. West, Lindgren funnel with ethanol trap, near entrance exhibit

*Lucidota atra* (Olivier)

Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area
Site 31	7/16/2005	J.S. Weaver, sweeping, by hand, alder/maple
Site 34	7/17/2005	T. Hayward, hand picked, roadside duff
Site 38	7/17/2005	C. Donahue & E. West, Lindgren funnel with ethanol trap, near entrance exhibit

*Photuris fairchildi* Barber

Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area

*Photuris pennsylvanica* (DeGeer)

Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
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*Pyractomena angulata* (Say)

Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh

*Pyractomena* sp. 1

Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 14	7/16/2005	F. Génier, beating and hand collecting

**LATRIDIIDAE***Corticaria gibbosa* (Herbst)

Site 14	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
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## LEIODIDAE

*Anisotoma geminata* (Horn)

Site 9	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure
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Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
<i>Anisotoma horni</i> Wheeler		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	J. McClarin, by hand, powerline clearing, sporulated slime mold on birch root base
<i>Catops basilaris</i> Say		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	J. McClarin, carrion beetle traps, near Schoodic Shores apartments
	7/17/2005	K. Hopkins, near carcass of dead squirrel, in coniferous forest near Schooner Club
<i>Gelae parile</i> (Fall)		
Site 22	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
<i>Sciodreporides terminans</i> (LeConte)		
Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	J. McClarin, dung beetle trap, near Schoodic Shores apartments

**LYCIDAE**

<i>Eros humeralis</i> (Fabricius)		
Site 1	7/16/2005	J. McClarin, sweeping, powerline path near Schoodic Shores.
<i>Leptocoteles basalis</i> (LeConte)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Plateros</i> sp. 1		
Site 14	7/16/2005	J.S. Weaver, hand picking and sweeping, alder thicket- alder and strawberry
	7/16/2005	F. Génier, beating and hand collecting
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

**MELANDRYIDAE**

<i>Dircaea liturata</i> (LeConte)		
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Emmesa connectens</i> Newman		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
<i>Emmesa labiata</i> (Say)		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field
Site 26	7/17/2005	E. West, funnel trap (ethanol lure).
<i>Symphora flavicollis</i> (Haldeman)		
Site 1	7/16/2005	E. West, beating, shrubs at edge of the baseball field
Site 2	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, sweeping and beating foliage, shrub/forest edge near pump house
Site 6	7/16/2005	E. West, sweeping, beating
Site 14	7/16/2005	J.S. Weaver, hand picking and sweeping, alder thicket- alder and strawberry
Site 18	7/16/2005	E. West, beat shrubs, trees, coniferous shrubs
<i>Symphora rugosa</i> (Haldeman)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area

**MELYRIDAE**

<i>Attalus terminalis</i> (Erichson)		
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 6	7/17/2005	C. Graham, aspirator, on leaves of blueberry
<i>Collops tricolor</i> (Say)		
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating

<i>Collops vittatus</i> (Say)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh

**MONOTOMIDAE**

<i>Rhizophagus dimidiatus</i> Mannerheim		
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station

**MORDELLIDAE**

<i>Mordellaria serval</i> (Say)		
Site 25	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure.
<i>Mordellistena bifasciatus</i> Ray		
Site 18	7/16/2005	E. West, beat shrubs, trees, coniferous shrubs
<i>Mordellistena scapularis</i> (Say)		
Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
<i>Mordellistena</i> sp. 1		
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 14	7/17/2005	C. Graham, aspirator, forest edge
<i>Mordellistena syntaenia</i> Liljeblad		
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
<i>Mordellistena tosta</i> LeConte		
Site 2	7/17/2005	R. Webster, M.-A. Giguère, V. Webster, sweeping and beating foliage, shrub/forest edge near pump house

**NITIDULIDAE**

<i>Colopterus truncatus</i> (Randall)		
Site 9	7/17/2005	J.F. Crow & J.S. Weaver, funnel trap, jack pine stand
<i>Eपुरaea aestiva</i> (Linnaeus)		
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 14	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
<i>Eपुरaea obtusicollis</i> Reitter		
Site 1	7/15/2005	K. Hopkins, by hand, Schoodic Shores apartments, bathroom sink
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Eपुरaea</i> sp. 1		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Eपुरaea</i> sp. 2		
Site 1	7/15/2005	K. Hopkins, by hand, Schoodic Shores apartments, bathroom sink
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 14	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
<i>Eपुरaea</i> sp. 3		
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
<i>Eपुरaea truncatella</i> Mannerheim		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
<i>Glischrochilus sanguinolentus</i> (Olivier)		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 15	7/16/2005	K. Hopkins, by hand, coniferous forest, brew baited tree
<i>Meligethes simplipes</i> Easton		
Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 3	7/16/2005	D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area

	7/17/2005	H. & A. Howden, beating, netting, around picnic area, shrubs
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/17/2005	C. Peters, sweeping, alders
Site 17	7/17/2005	R. Webster & V. Webster, sweeping, shoreline area, nettles, jewelweed, etc.

*Omosita discoidea* (Fabricius)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
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**PHALACRIDAE***Olibrus lecontei* Casey

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
Site 8	7/16/2005	M.E. Mazurkiewicz, aerial netting, on white clover

**PYROCHROIDAE***Dendroides canadensis* Latreille

Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
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*Dendroides concolor* (Newman)

Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	J. McClarin, ultraviolet light, Schoodic Shores apartments, lawn
	7/17/2005	R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest

**SCARABAEIDAE***Aphodius leopardus* Horn

Site 1	7/17/2005	H. & A. Howden, deer dung trap
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*Aphodius rubripennis* Horn

Site 1	7/17/2005	H. & A. Howden, deer dung trap
Site 5	7/16/2005	R. Webster, sifting <i>Sphagnum</i> , <i>Sphagnum</i> -lined pools in bog

*Aphodius rusicola* Melsheimer

Site 1	7/17/2005	H. & A. Howden, deer dung trap
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*Dialytes striatulus* (Say)

Site 1	7/17/2005	F. Génier, dung trap
	7/17/2005	H. & A. Howden, deer dung trap
	7/17/2005	J. McClarin, dung beetle trap, near Schoodic Shores apartments
Site 22	7/16/2005	D.S. Chandler, sifting-berlesing, spruce fir leaf litter
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest

*Dialytes ulkei* Horn

Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	H. & A. Howden, deer dung trap

*Dichelonyx linearis* (Gyllenhal)

Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
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*Diplotaxis atlantis* Fall

Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.

*Onthophagus nuchicornis* (Linnaeus)

Site 1	7/17/2005	J. McClarin, dung beetle trap, near Schoodic Shores apartments
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders

*Phyllophaga anxia* LeConte

Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging



*Serica atracapilla* Kirby

Site 1 7/17/2005 H. & A. Howden, beating, netting, hand collecting  
7/17/2005 R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin

Site 2 7/17/2005 R.E. & N.K. Nelson, black light trap, pumping station

*Trichotinus affinis* (Gory & Percheron)

Site 5 7/16/2005 R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in *Sphagnum* bog with emergent vegetation

Site 14 7/16/2005 R.G. Mack, by hand, off trail in shrubs, *Spirea*, etc.

Site 17 7/16/2005 R.E. & N.K. Nelson, by hand

*Trichotinus assimilis* (Kirby)

Site 1 7/16/2005 R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area

7/17/2005 H. & A. Howden, beating, netting, hand collecting

Site 14 7/16/2005 F. Génier, beating and hand collecting

**SCIRTIDAE***Cyphon confusus* Brown

Site 4 7/16/2005 C. Donahue & E. West, sweeping, beating, coniferous shrubs

Site 6 7/16/2005 E. West, sweeping, beating

7/17/2005 R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest

*Cyphon ruficollis* (Say)

Site 13 7/16/2005 D. Michaud et al., sweeping, jack pines

*Cyphon variabilis* (Thunberg)

Site 2 7/17/2005 R.E. & N.K. Nelson, black light trap, pumping station

Site 2 7/17/2005 R.E. & N.K. Nelson, treading, *Sphagnum*, grass, sedge bog

Site 5 7/16/2005 R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in *Sphagnum* bog with emergent vegetation

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter

Site 11 7/16/2005 D. Michaud et al., sweeping, pond perimeter

Site 13 7/16/2005 D. Michaud et al., sweeping, jack pines

7/17/2005 K. Hopkins, sweeping, vegetation

Site 21 7/17/2005 yellow pan trap, pond margin

Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, coniferous forest litter

7/17/2005 D.S. Chandler, yellow pan trap, alder swamp

Site 30 7/17/2005 H. & A. Howden, sweeping, beating, edge of marsh

Site 31 7/16/2005 R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station

**SCRAPTIIDAE***Anaspis flavipennis* Haldeman

Site 5 7/16/2005 R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in *Sphagnum* bog with emergent vegetation

Site 9 7/16/2005 J.F. Crow, at light, in coniferous forest

*Anaspis rufa* Say

Site 1 7/16/2005 J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs

7/16/2005 R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area

7/17/2005 A. Alyokhin, sweeping, edge between vegetation and rocky shore along Sundew Trail

7/17/2005 H. & A. Howden, beating, netting, hand collecting

7/17/2005 R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc

Site 3 7/16/2005 D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area

Site 5 7/16/2005 R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in *Sphagnum* bog with emergent vegetation

Site 6	7/16/2005	E. West, sweeping, beating
	7/17/2005	C. Donahue & E. West, ramp trap
Site 8	7/16/2005	M.E. Mazurkiewicz, aerial netting, on white clover
Site 9	7/16/2005	J.S. Weaver, sweeping, <i>Spirea</i> flowers
Site 11	7/16/2005	R. Webster & M.-A. Giguère, beating, sweeping, salt marsh
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
	7/17/2005	K. Hopkins, sweeping, vegetation
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	C. Graham, aspirator, forest edge
	7/17/2005	C. Peters, sweeping, alders
	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
Site 30	7/16/2005	C. Peters, by hand
	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
Site 38	7/17/2005	C. Donahue & E. West, Lindgren funnel with ethanol trap, near entrance exhibit
<i>Canifa pallipes</i> (Melsheimer)		
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/16/2005	E. West, sweeping, beating
	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
Site 11	7/16/2005	D. Michaud et al., sweeping, pond perimeter
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spirea</i> , etc.
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc.
	7/17/2005	R. Webster & V. Webster, beating, sweeping foliage
Site 26	7/17/2005	E. West, funnel trap (ethanol lure)

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**SILPHIDAE**
*Necrodes surinamensis* (Fabricius)

Site 1 7/15/2005 J. McClarin, uv light trap, Schooner Club

*Necrophila americana* (Linnaeus)

Site 1 7/16/2005 J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments

7/17/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

*Nicrophorus defodiens* Mannerheim

Site 1 7/15/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

7/17/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

*Nicrophorus orbicollis* Say

Site 1 7/16/2005 J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments

*Nicrophorus sayi* Castelnau

Site 1 7/16/2005 J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments

Site 12 7/16/2005 J.F. Crow, black light trap, coniferous forest

*Nicrophorus tomentosus* Weber

Site 1 7/16/2005 J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments

7/17/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

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**STAPHYLINIDAE***Acidota crenata* (Fabricius)

Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, coniferous forest litter

*Aleochara* sp. 1

Site 1 7/16/2005 J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments  
7/17/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

*Aleocharinae* sp. 1

Site 23 7/17/2005 D.S. Chandler, flight intercept trap, coniferous forest

*Aleocharinae* sp. 2

Site 23 7/17/2005 D.S. Chandler, flight intercept trap, coniferous forest

*Aleocharinae* sp. 3

Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, rotten birch logs.

*Aleocharinae* sp. 4

Site 1 7/15/2005 J. McClarin, moss dehydrator, from moss near Schoodic Shores apartments  
Site 22 7/16/2005 D.S. Chandler, sifting-berlesing, spruce fir leaf litter  
7/17/2005 D.S. Chandler, sifting-berlesing, rotten birch logs  
7/17/2005 D.S. Chandler, sifting-berlesing, coniferous forest litter

*Aleocharinae* sp. 5

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter

*Aleocharinae* sp. 6

Site 22 7/16/2005 D.S. Chandler, sifting-berlesing, spruce fir leaf litter

*Aleocharinae* sp. 7

Site 1 7/17/2005 H. & A. Howden, deer dung trap

*Aleocharinae* sp. 8

Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, coniferous forest litter

*Aleocharinae* sp. 9

Site 37 7/17/2005 K. Hopkins, by hand, in mushrooms.

*Aleocharinae* sp. 10

Site 1 7/15/2005 J. McClarin, moss dehydrator, from moss near Schoodic Shores apartments

*Aleocharinae* sp. 11

Site 23 7/17/2005 D.S. Chandler, yellow pan trap, coniferous forest

*Atrecus americanus* (Casey)

Site 1 7/17/2005 J. McClarin, by hand, near apartments, taken under bark, wood  
Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, rotten birch logs.

*Baeocera* sp. 1

Site 11 7/17/2005 R. Webster & V. Webster, by hand, from bracket fungi on birch  
Site 37 7/17/2005 K. Hopkins, by hand, in mushrooms.

*Bisnius siegwaldii* (Mannerheim)

Site 1 7/17/2005 H. & A. Howden, deer dung trap

*Brachygluta abdominalis* (Aubé)

Site 16 7/17/2005 D.S. Chandler, sifting-berlesing, salt marsh litter

*Brachyscepsis* sp.

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter  
Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, rotten birch logs  
7/17/2005 D.S. Chandler, sifting-berlesing, coniferous forest litter

*Bryoporus rufescens* LeConte

Site 22 7/16/2005 D.S. Chandler, sifting-berlesing, spruce fir leaf litter

*Cafius bistriatus* (Erichson)

Site 3 7/16/2005 D. Michaud et al., mostly sweeping, hand picking, shoreline and picnic area

*Carphacis intrusus* (Horn)

Site 2 7/17/2005 R.E. & N.K. Nelson, black light trap, pumping station

*Euconus salinator* (LeConte)

Site 16 7/17/2005 D.S. Chandler, sifting-berlesing, salt marsh litter

*Eusphalerum convexum* (Fauvel)

Site 1 7/17/2005 H. & A. Howden, beating, netting, hand collecting

7/17/2005 R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.

Site 5 7/16/2005 R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools  
in *Sphagnum* bog with emergent vegetation

Site 8 7/16/2005 M.E. Mazurkiewicz, aerial netting, on white clover

Site 13 7/16/2005 D. Michaud et al., sweeping, jack pines

Site 14 7/17/2005 Letsch & Letsch, by hand, sweeping, and digging

7/17/2005 R. Gontaruk, beating, sweeping, shrub/forest edge on grasses,  
conifer leaf litter, etc.

7/17/2005 R. Webster & V. Webster, beating, sweeping foliage.

*Eusphalerum pothos* (Mannerheim)

Site 22 7/17/2005 D.S. Chandler, yellow pan trap, alder swamp

Site 23 7/17/2005 D.S. Chandler, yellow pan trap, coniferous forest

*Gabrius* sp. 1

Site 22 7/16/2005 D.S. Chandler, sifting-berlesing, spruce fir leaf litter

*Lathrobium scolopaceum* (Casey)

Site 22 7/16/2005 D.S. Chandler, sifting-berlesing, spruce fir leaf litter

*Lathrobium sparsellum* Casey

Site 5 7/16/2005 R. Webster, sifting *Sphagnum*, *Sphagnum*-lined pools in bog

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter

*Lesteva pallipes* LeConte

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter

Site 12 7/17/2005 R. Webster & V. Webster, dip net, spruce forest, most from  
saturated *Sphagnum* in small shaded brook

Site 22 7/17/2005 D.S. Chandler, sifting-berlesing, alder thicket litter

*Lordithon facilis* (Casey)

Site 23 7/17/2005 D.S. Chandler, yellow pan trap, coniferous forest

*Lordithon fungicola* Campbell

Site 1 7/17/2005 H. & A. Howden, beating, netting, hand collecting

*Nitidotachinus tachyporoides* Horn

Site 1 7/16/2005 R.G. Dearborn et al., sweeping, brush beating, by hand, tennis  
court, lawn area

7/17/2005 H. & A. Howden, beating, netting, hand collecting

*Ontholestes cingulatus* (Gravenhorst)

Site 1 7/17/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

Site 20 7/16/2005 Letsch & Letsch, sweeping, grassy edge & alders

*Oxytelus* sp.

Site 1 7/17/2005 H. & A. Howden, deer dung trap

*Paederus littorarius* Gravenhorst

Site 16 7/17/2005 D.S. Chandler, sifting-berlesing, salt marsh litter

*Philonthus caeruleipennis* (Mannerheim)

Site 1 7/17/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments

*Philonthus sericinus* (Horn)

Site 20 7/16/2005 Letsch & Letsch, sweeping, grassy edge & alders

*Platydracus viridanus* (Horn)

Site 20 7/16/2005 Letsch & Letsch, sweeping, grassy edge & alders

*Proteinus limbatus* Mäklin

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter

*Quedius peregrinus* (Gravenhorst)

Site 6 7/17/2005 C. Graham, aspirator, on leaves of blueberry

Site 6 7/17/2005 D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter

Site 14 7/17/2005 C. Graham, aspirator, forest edge

Site 22 7/16/2005 D.S. Chandler, sifting-berlesing, spruce fir leaf litter

7/17/2005 D.S. Chandler, sifting-berlesing, rotten birch logs.

<i>Scaphisoma rubens</i> Casey		
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, rotten birch logs
	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
Site 23	7/17/2005	D.S. Chandler, yellow pan trap, coniferous forest
<i>Stenus austini</i> Casey		
Site 2	7/17/2005	R.E. & N.K. Nelson, treading, <i>Sphagnum</i> , grass, sedge bog
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
<i>Stenus colonus</i> Erichson		
Site 12	7/17/2005	R. Webster & V. Webster, dip net, spruce forest, most from saturated <i>Sphagnum</i> in small shaded brook
Site 22	7/17/2005	D.S. Chandler, sifting-berlesing, coniferous forest litter
<i>Tachinus fumipennis</i> (Say)		
Site 1	7/17/2005	J. McClarin, carrion beetle traps, near Schoodic Shores apartments
Site 16	7/17/2005	J.F. Crow & J.S. Weaver, Funnel trap with alpha-pinene & ethyl alcohol lures
Site 23	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
	7/17/2005	D.S. Chandler, yellow pan trap, coniferous forest
<i>Tachinus luridus</i> Erichson		
Site 1	7/17/2005	J. McClarin, carrion beetle traps, near Schoodic Shores apartments
<i>Tachyporus nitidulus</i> (Fabricius)		
Site 22	7/16/2005	D.S. Chandler, sifting-berlesing, spruce fir leaf litter

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**STENOTRACHELIDAE**


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*Cephaloon lepturides* Newman

Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
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**TENEBRIONIDAE***Androchirus erythropus* (Kirby)

Site 1	7/17/2005	J. McClarin, by hand, near apartments, taken under bark, wood
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*Arthromacra aenea* (Say)

Site 9	7/16/2005	J.S. Weaver, sweeping, <i>Spirea</i> flowers
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/17/2005	R.W. Hildreth, sweeping, alders
Site 22	7/17/2005	D.S. Chandler, flight intercept trap, coniferous forest
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
Site 36	7/17/2005	D. Michaud & D. Bourque, sweeping, hand picking, coniferous forest, exposed bedrock, small grassy areas

*Blapstinus metallicus* (Fabricius)

Site 1	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
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*Hymenorus obesus* Casey

Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
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*Isomira quadristriata* (Couper)

Site 1	7/15/2005	J. McClarin, uv light trap, Schooner Club
	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
	7/16/2005	E. Connery, hand collecting
	7/16/2005	E. West, beating, shrubs at edge of the baseball field
	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/16/2005	R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area
	7/17/2005	D. Wang, by hand, Sundew Trail, in freshwater pool along rocks and in ground cover at edge of intertidal area
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
	7/17/2005	H. & A. Howden, deer dung trap
	7/17/2005	J. McClarin, ultraviolet light, Schoodic Shores apartments, lawn

	7/17/2005	R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin
	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 4	7/16/2005	C. Donahue & E. West, sweeping, beating, coniferous shrubs
Site 5	7/16/2005	R. Webster & M.-A. Giguère, sweeping, beating foliage, small pools in <i>Sphagnum</i> bog with emergent vegetation
Site 6	7/16/2005	E. West, sweeping, beating
	7/16/2005	J.S. Weaver, by hand and sweeping, blueberries
	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
Site 9	7/17/2005	C. Donahue & E. West, Lindgren funnel, ethanol lure
Site 11	7/16/2005	D. Michaud et al., sweeping, pond perimeter
Site 12	7/16/2005	R.W. Hildreth, sweeping
	7/17/2005	R.W. Hildreth, mercury vapor light
Site 13	7/16/2005	D. Michaud et al., sweeping, jack pines
Site 14	7/16/2005	F. Génier, beating and hand collecting
	7/16/2005	J.S. Weaver, hand picking and sweeping, alder thicket- alder and strawberry
	7/16/2005	R.G. Mack, by hand, off trail in shrubs, <i>Spiraea</i> , etc.
	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
	7/17/2005	Letsch & Letsch, by hand, sweeping, and digging
	7/17/2005	R. Gontaruk, beating, sweeping, shrub/forest edge on grasses, conifer leaf litter, etc
Site 17	7/16/2005	R.E. & N.K. Nelson, by hand
Site 20	7/16/2005	Letsch & Letsch, sweeping, grassy edge & alders
Site 30	7/17/2005	H. & A. Howden, sweeping, beating, edge of marsh
Site 31	7/16/2005	J.S. Weaver, sweeping, by hand, alder/maple
Site 39	7/17/2005	C. Donahue & E. West, sweeping, beating
<i>Mycetochara fraterna</i> (Say)		
Site 1	7/17/2005	R. Webster & M.-A. Giguère, ultraviolet light trap, spruce forest near Knox cabin.
<i>Paratenetus punctatus</i> Spinola		
Site 6	7/17/2005	R. Webster & M.-A. Giguère, sweeping, beating, jack pine forest
<i>Tenebrio obscurus</i> Fabricius		
Site 1	7/17/2005	R.G. Mack, by hand, weeds, shrubs, goldenrod, grasses, etc.

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**THROSCIDAE**
*Aulonothroscus constrictor* (Say)

Site 1	7/16/2005	J. McClarin, sweeping, near Schoodic Shores, flowers, tree leaves, plants & shrubs
	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 11	7/16/2005	D. Michaud et al., sweeping, pond perimeter
	7/17/2005	D.S. Chandler, yellow pan trap, alder swamp
Site 23	7/17/2005	D.S. Chandler, yellow pan trap, coniferous forest

*Trixagus carinicollis* (Schaeffer)

Site 1	7/17/2005	H. & A. Howden, beating, netting, hand collecting
Site 2	7/17/2005	R.E. & N.K. Nelson, black light trap, pumping station
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area

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**TROGIDAE**
*Trox variolatus* Melsheimer

Site 1	7/16/2005	J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments
	7/17/2005	F. Génier, dung trap

7/17/2005	J. McClarin, carrion beetle traps, near Schoodic Shores apartments
7/17/2005	L. King, by hand, evergreen area, under bark dead tree

**ZOPHERIDAE***Phellopsis obcordata* (Kirby)

Site 1	7/17/2005	B. Connery
Site 11	7/17/2005	R. Webster & V. Webster, by hand, from bracket fungi on birch

**Order Diptera—the flies**

Joe Keiper, Virginia Museum of Natural History, Martinsville, VA.

**ACARTOPHTHALMIDAE***Acartophthalmus nigrinus* (Zetterstedt)

Site 6	7/16/2006	W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area
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**AGROMYZIDAE***Phytoliriomyza* sp. 1

Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 3	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches near shoreline, pier
Site 5	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, in bog
Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
	7/15/2006	D.S. Chandler, sweeping
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand
	7/15/2006	D.S. Chandler, sweeping, by pond
Site 36	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, coniferous forest
Site 48	7/15/2006	S. Balanson, sweeping, wet meadow area

*Phytoliriomyza* sp. 2

Site 1	7/15/2006	A. Alyokhin, sweeping, wooded edges of mowed lawn
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## Phytomyzinae sp. 1

Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow
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## Phytomyzinae sp. 2

Site 6	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
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## Phytomyzinae sp. 3

Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
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**ANTHOMYZIDAE***Anthomyza* sp.

Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 48	7/15/2006	S. Balanson, sweeping, wet meadow area

*Mumetopia* sp. 1

Site 3	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches near shoreline, pier
Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
Site 22	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand, along small stream
	7/15/2006	D.S. Chandler, sweeping, along creek
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh

*Mumetopia* sp. 2

Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
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**CALLIPHORIDAE***Calliphora livida* Hall

Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
	7/15/2006	D.S. Chandler, sweeping

*Calliphora vomitoria* (Linnaeus)

Site 1	7/15/2006	M.E. Mazurkiewicz, by hand, lighted <sup>SERC</sup> entrance sign
Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow

*Cynomyia cadaverina* Robineau-Desvoidy

Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
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*Lucilia illustris* (Meigen)

Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
Site 18	7/16/2006	R.G. Mack, sweeping, jack pine, high bush blueberry, shrubs

*Phaenicia coeruleiviridis* (Macquart)

Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow

*Phaenicia sericata* (Meigen)

Site 44	7/15/2006	L. Servier, sweeping, in rocks at high tide mark
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**CHAMAEMYIIDAE***Pseudodinia* sp.

Site 21	7/15/2006	W. & D. Mathis, aerial sweep netting, along pond shoreline
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**CHLOROPIDAE***Cetema elongatum* (Meigen)

Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
Site 6	7/16/2006	W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area

*Diploptera versicolor* (Loew)

Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
Site 6	7/16/2006	W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area
Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Incertella insularis* (Malloch)

Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Liohippelates pallipes* (Loew)

Site 44	7/15/2006	W. & D. Mathis, sweeping with aerial net, cobble beach, rotting <i>Laminaria</i>
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*Parectecephala eucera* (Loew)

Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
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*Thaumatomyia glabra* (Meigen)

Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
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*Thaumatomyia pulla* (Adams)

Site 21	7/15/2006	W. & D. Mathis, aerial sweep netting, along pond shoreline
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**COELOPIDAE***Coelopa frigida* (Fabricius)

Site 9	7/16/2006	C. Donahue, black light trap
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
Site 44	7/15/2006	C. Donahue, roadside
	7/15/2006	L. Servier, sweeping



7/15/2006 M. Lyons & K. Tloczynski, sweeping, decomposing seaweed mats

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**CULICIDAE**


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*Aedes vexans* (Meigen)

Site 1 7/15/2006 K. Hopkins, by hand, lighted SERC entrance sign

*Coquillettida perturbans* (Walker)

Site 1 7/15/2006 B. Woo & M. Kelly, netting, hand pick, meadows, spray zone of seashore

Site 15 7/16/2006 C. Donahue, black light trap

Site 48 7/15/2006 S. Balanson, sweeping, wet meadow area

*Culex pipiens* Linnaeus

Site 1 7/15/2006 K. Hopkins, by hand, lighted SERC entrance sign

*Ochlerotatus canadensis* (Theobald)

Site 1 7/15/2006 A. Alyokhin, by hand, porch light, Schoodic Shores apartments

Site 5 7/16/2006 S. Balanson & Tloczynski, sweeping, along margins and in bog

*Ochlerotatus cantator* (Coquillett)

Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

*Ochlerotatus japonicus japonicus* (Theobald)

Site 15 7/16/2006 C. Donahue, black light trap

*Ochlerotatus punctor* (Kirby)

Site 46 7/15/2006 A. Alyokhin, sweeping, N end

*Ochlerotatus sollicitans* (Walker)

Site 9 7/16/2006 C. Donahue, black light trap

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**DIASTATIDAE**


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*Diastata repleta* (Walker)

Site 5 7/16/2006 S. Balanson & Tloczynski, sweeping, along margins and in bog

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**DOLICHOPODIDAE**


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*Condylostylus flavipes* (Aldrich)

Site 3 7/16/2006 W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area

*Condylostylus* sp.

Site 1 7/15/2006 K. Hopkins, sweeping, wet area near cabins

Site 2 7/15/2006 S. Balanson, sweeping, near shoreline

Site 3 7/16/2006 A. Alyokhin, sweeping, weedy, shrubby patches by shoreline

7/16/2006 K. Hopkins, sweeping, lawn area, shoreline, shrubs

Site 6 7/15/2006 G.A.G. Dahlem, malaise trap, at benchmark

Site 11 7/14/2006 B. & C. Thompson, sweeping, on flowers

Site 14 7/15/2006 C. Donahue & J. Rykken, sweeping, alders

7/15/2006 D.S. Chandler, sweeping

Site 21 7/15/2006 B. Nichols, M. Mazurkiewicz, sweeping

Site 22 7/15/2006 D.S. Chandler, sweeping, along creek

Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

Site 27 7/15/2006 S. Balanson, sweeping, shrubs, emergent herbaceous vegetation

*Dolichopus brevipennis* Loew

Site 1 7/15/2006 W. & D. Mathis, sweep with aerial net, near recycling bins

Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

Site 6 7/16/2006 W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area

*Dolichopus marginatus* Aldrich

Site 3 7/16/2006 W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area

*Dolichopus pugil* Loew

Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Dolichopus* sp.

Site 1	7/15/2006	A. Alyokhin, sweeping, edge of mowed lawn with woods
	7/15/2006	B. Woo & M. Kelly, netting, hand pick, meadows, spray zone of seashore
	7/16/2006	C. Donahue, malaise trap, campground
Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 3	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches near shoreline, pier
Site 5	7/15/2006	B. Wiegmann, sweeping, ferns and in bog
	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, in bog
Site 6	7/15/2006	D.S. Chandler, sweeping
	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
Site 9	7/15/2006	W.S. Urquhart, sweeping, along shore and into woods
Site 13	7/16/2006	K. Hopkins, sweeping, vegetation/flowers
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and hand picking
	7/15/2006	D.S. Chandler, sweeping, by pond
Site 27	7/15/2006	S. Balanson, sweeping, shrubs, emergent herbaceous vegetation
Site 28	7/15/2006	A. Marvel & M. Anderson, sweeping, near information kiosk
	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, conifer forest
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
Site 31	7/16/2006	K. Tloczynski & S. Long, sweeping and hand picking, wetland shrubs, bogs
Site 36	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, coniferous forest
Site 43	7/15/2006	W.S. Urquhart, sweeping, at edge between intertidal zone and upland
Site 44	7/15/2006	C. Donahue, roadside
Site 46	7/15/2006	A. Alyokhin, sweeping, N end
	7/15/2006	R.G. Mack, sweeping, spruce forest, low vegetation, shrubby areas
	7/16/2006	M.E. Mazurkiewicz, sweeping, shrubs
Site 53	7/16/2006	J. Rykken & B. Nichols, sweeping, along wrack line, vegetation on beach

*Gymnopternus currani* (Van Duzee)

Site 21	7/15/2006	W. & D. Mathis, aerial sweep netting, along pond shoreline
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*Gymnopternus frequens* Loew

Site 21	7/15/2006	W. & D. Mathis, aerial sweep netting, along pond shoreline
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*Gymnopternus nigribarbus* Loew

Site 6	7/16/2006	W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area
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Site 21	7/15/2006	W. & D. Mathis, aerial sweep netting, along pond shoreline
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*Hydrophorus aestuum* Loew

Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach
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*Paraclius claviculatus* Loew

Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
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*Pelastoneurus lamellatus* Loew

Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach
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**DROSOPHILIDAE***Chymomyza amoena* (Loew)

Site 6	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
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*Chymomyza* sp.

Site 5	7/15/2006	B. Wiegmann, sweeping, ferns and in bog
Site 6	7/15/2006	D.S. Chandler, sweeping

*Drosophila* sp.

Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 6	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond

*Scaptomyza pallida* (Zetterstedt)

Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
Site 46	7/15/2006	A. Alyokhin, sweeping, N end

*Scaptomyza* sp.

Site 1	7/15/2006	A. Alyokhin, sweeping, edge of mowed lawn with woods
	7/15/2006	B. Woo & M. Kelly, netting, hand pick, meadows, spray zone of seashore
	7/15/2006	C. Donahue, malaise trap
	7/15/2006	J. Rykken, sweeping, on lawn
Site 2	7/15/2006	K. Hopkins, on lighted entrance sign for SERC
	7/15/2006	S. Balanson, sweeping, near shoreline
Site 3	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches near shoreline, pier
Site 5	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, in bog
	7/16/2006	S. Balanson & K. Tloczynski, sweeping, along margins and in bog
Site 6	7/15/2006	D.S. Chandler, sweeping
	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
Site 27	7/15/2006	S. Balanson, sweeping, shrubs, emergent herbaceous vegetation
Site 28	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, conifer forest
	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
Site 46	7/15/2006	A. Alyokhin, sweeping, N end
Site 48	7/15/2006	S. Balanson, sweeping, wet meadow area
Site 53	7/16/2006	J. Rykken & B. Nichols, sweeping, along wrack line, vegetation on beach

**DRYOMYZIDAE***Dryomyza anilis* Fallén

Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
Site 37	7/16/2006	B. Wiegmann, sweeping, roadside
Site 46	7/15/2006	R.G. Mack, sweeping, spruce forest, low vegetation, shrubby areas

*Dryomyza* sp.

Site 23	7/16/2006	R.G. Mack, sweeping, spruce forest, seep areas, mosses, low vegetation
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**EPHYDRIDAE***Cirrula gigantea* Cresson

Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach
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*Dimecoenia spinosa* (Loew)

Site 1	7/16/2006	W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep
Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area

*Ditrichophora exigua* Cresson

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep
- Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Ephydra obscuripes* Loew

- Site 13 7/16/2006 W. & D. Mathis, aerial sweep netting, vernal pools.

*Ephydra subopaca* Loew

- Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Glenanthe litorea* Cresson

- Site 3 7/16/2006 W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area

*Gymnoclasiopa canifrons* (Cresson)

- Site 1 7/16/2006 W. Mathis.

*Hydrellia formosa* Loew

- Site 1 7/15/2006 W. & D. Mathis, sweep with aerial net, near recycling bins

*Hydrellia griseola* Fallén

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep
- Site 6 7/16/2006 W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area

*Hydrellia valida* Loew

- Site 3 7/16/2006 W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area

*Ilythea spilota* (Curtis)

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

*Notiphila bispinosa* Cresson

- Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Notiphila olivacea* Cresson

- Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach
- Site 21 7/15/2006 W. & D. Mathis, aerial sweep netting, along pond shoreline

*Notiphila pallidipalpis* Cresson

- Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Ochthera anatolicos* Clausen

- Site 16 7/15/2006 W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

*Parydra appendiculata* Loew

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

*Parydra borealis* (Cresson)

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

*Parydra quadriloba* Clausen

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

*Parydra quadrituberculata* Loew

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

*Polytrichophora conciliata* Cresson

- Site 1 7/16/2006 W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep

<i>Scatella favillacea</i> Loew		
Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
<i>Scatella picea</i> (Walker)		
Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
Site 6	7/16/2006	W. & D. Mathis, aerial sweep netting, muddy pools in parking lot area
<i>Scatella tenuicosta</i> Collin		
Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach

**HELEOMYZIDAE**

<i>Suillia</i> sp.		
Site 5	7/15/2006	B. Wiegmann, sweeping, ferns and in bog

**LAUXANIIDAE**

<i>Homoneura houghii</i> (Coquillett)		
Site 5	7/16/2006	S. Balanson & Tloczynski, sweeping, along margins and in bog
<i>Homoneura shewelli</i> Miller		
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
<i>Minettia lupulina</i> (Fabricius)		
Site 1	7/15/2006	A. Alyokhin, sweeping, edge of mowed lawn with woods
	7/15/2006	B. Woo, M. Kelly, netting, hand pick, meadows, spray zone of seashore
	7/15/2006	K. Hopkins, sweeping, wet area near cabins
	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
	7/16/2006	W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep
Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
	7/15/2006	D.S. Chandler, sweeping
Site 23	7/16/2006	D.S. Chandler, sweeping
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
	7/16/2006	W. & D. Mathis, aerial sweep netting, freshwater stream area
Site 46	7/15/2006	R.G. Mack, sweeping, spruce forest, low vegetation, shrubby areas
	7/15/2006	R.G. Mack, sweeping, spruce forest, low vegetation, shrubby areas
<i>Sapromyza rotundicornis</i> Loew		
Site 6	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
Site 14	7/15/2006	D.S. Chandler, sweeping
<i>Trisapromyza vittigera</i> (Coquillett)		
Site 6	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
Site 12	7/16/2006	C. Peters & R.W. Hildreth, mercury vapor light on sheet

**LONCHAEIDAE**

<i>Lonchaea</i> sp.		
Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting

**LONCHOPTERIDAE**

<i>Lonchoptera bifurcata</i> (Fallén)		
Site 1	7/15/2006	W. & D. Mathis, sweep with aerial net, near recycling bins
	7/16/2006	W. & D. Mathis, aerial sweep netting, N end Sundew Trail, natural seep
<i>Lonchoptera</i> sp.		
Site 1	7/15/2006	K. Hopkins, sweeping, wet area near cabins
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond

**MILICHIIDAE**

*Paramyia* sp.  
Site 6 7/15/2006 D.S. Chandler, sweeping

*Phyllomyza* sp.  
Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

**MYCETOPHILIDAE**

*Keroplatinae* sp.  
Site 6 7/15/2006 G.A.G. Dahlem, malaise trap, at benchmark

*Mycomya* sp.  
Site 22 7/15/2006 D. Michaud & D. Bourque, sweeping and by hand, along small stream  
7/15/2006 D.S. Chandler, sweeping, along creek

**OPOMYZIDAE**

*Geomyza* sp.  
Site 1 7/15/2006 W. & D. Mathis, sweep with aerial net, near recycling bins

**PALLOPTERIDAE**

*Toxoneura superba* (Loew)  
Site 22 7/15/2006 D.S. Chandler, sweeping, along creek

**PIPUNCULIDAE**

*Pipunculus* sp. 1  
Site 1 7/15/2006 C. Donahue, malaise trap  
Site 46 7/15/2006 A. Alyokhin, sweeping, N end

*Pipunculus* sp. 2  
Site 2 7/15/2006 S. Balanson, sweeping, shoreline vegetation, near pump station  
Site 14 7/15/2006 D.S. Chandler, sweeping

*Tomosvaryella* sp.  
Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

*Verrallia* sp.  
Site 14 7/15/2006 D.S. Chandler, sweeping

**PSILIDAE**

*Loxocera* sp.  
Site 22 7/15/2006 D.S. Chandler, sweeping, along creek

**PSYCHODIDAE**

Psychodidae sp.  
Site 1 7/15/2006 C. Donahue, malaise trap

**RHAGIONIDAE**

*Rhagio mystaceus* (Macquart)  
Site 6 7/15/2006 G.A.G. Dahlem, malaise trap, at benchmark

*Rhagio* sp. 1  
Site 1 7/16/2006 C. Donahue, malaise trap, campground  
Site 6 7/15/2006 G.A.G. Dahlem, malaise trap, at benchmark  
Site 14 7/15/2006 C. Donahue & J. Rykken, sweeping, alders  
Site 22 7/15/2006 D.S. Chandler, sweeping, along creek  
Site 27 7/16/2006 C. Donahue, black light trap, at pump house  
Site 30 7/15/2006 R.G. Mack, sweeping, edge of woods by salt marsh  
Site 46 7/15/2006 A. Alyokhin, sweeping, N end

**SARCOPHAGIDAE**

*Agria housei* Shewell  
Site 6 7/15/2006 G.A.G. Dahlem, malaise trap, at benchmark

*Boettcheria latisterna* Parker

Site 54 7/15/2006 G.A.G. Dahlem, by hand

*Liosarcophaga sarracenioides* (Aldrich)

Site 44 7/15/2006 L. Servier, sweeping, in rocks at high-tide mark

*Oebalia* sp.

Site 11 7/14/2006 B. &amp; C. Thompson, sweeping, on flowers

Site 12 7/16/2006 C. Peters &amp; R.W. Hildreth, mercury vapor light on sheet

*Oxysarcodexia ventricosa* (Wulp)

Site 6 7/15/2006 G.A.G. Dahlem, malaise trap, at benchmark

*Sarcophaga* sp.

Site 14 7/15/2006 D.S. Chandler, sweeping

Site 44 7/15/2006 M. Lyons &amp; K. Tloczynski, sweeping, decomposing seaweed mats

Site 45 7/15/2006 W.S. Urquhart, sweeping, freshwater vernal pools along shoreline

*Senotainia* sp.

Site 11 7/14/2006 B. &amp; C. Thompson, sweeping, on flowers

**SCATOPSIDAE***Rhegmoclema* sp.

Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

Site 30 7/15/2006 R.G. Mack, sweeping, edge of woods by salt marsh

Site 48 7/15/2006 S. Balanson, sweeping, wet meadow area

**SCIARIDAE***Corynoptera* sp.

Site 27 7/16/2006 C. Donahue, black light trap, at pump house

**SCIOMYZIDAE***Limnia boscii* (Robineau-Desvoidy)

Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

*Limnia conica* Steyskal

Site 5 7/15/2006 K. Tloczynski, S. Long, Graham, sweeping, in bog

Site 14 7/15/2006 D. Michaud &amp; D. Bourque, sweeping and by hand, near ranger cabin

*Tetanocera clara* Loew

Site 1 7/15/2006 K. Hopkins, sweeping, wet area near cabins

Site 22 7/15/2006 D.S. Chandler, sweeping, along creek

*Tetanocera plebeja* Loew

Site 1 7/15/2006 K. Hopkins, sweeping, wet area near cabins

Site 5 7/15/2006 B. Wiegmann, sweeping, ferns and in bog

7/16/2006 S. Balanson &amp; K. Tloczynski, sweeping, along margins and in bog

*Tetanocera valida* Loew

Site 6 7/15/2006 D.S. Chandler, sweeping

Site 26 7/15/2006 D. Michaud &amp; D. Bourque, sweeping and by hand

7/15/2006 D.S. Chandler, sweeping, by pond

**SEPSIDAE***Sepsidimorpha* sp.

Site 2 7/15/2006 S. Balanson, sweeping, shoreline vegetation, near pump station

Site 26 7/15/2006 D.S. Chandler, sweeping, by pond

**SIMULIIDAE***Prosimulium mixtum* Syme & Davies

Site 1 7/15/2006 K. Hopkins, by hand, lighted SERC entrance sign

*Simulium croxtoni* Nicholson & Mickel

Site 48 7/15/2006 S. Balanson, sweeping, wet meadow area

*Simulium fionae* Adler

Site 5 7/15/2006 B. Wiegmann, sweeping, ferns and in bog

*Simulium jenningsi* Malloch

Site 5	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, in bog
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond

*Simulium silvestre* Rubtsov

Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
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*Simulium venustum* complex

Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 14	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand, near ranger cabin
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
Site 28	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, conifer forest
Site 31	7/16/2006	K. Tloczynski & S. Long, sweeping and hand picking, wetland shrubs, bogs.

**SPHAEROCERIDAE***Leptocera* sp.

Site 3	7/16/2006	K. Hopkins, sweeping, lawn area, shoreline, shrubs
Site 12	7/16/2006	C. Peters & R.W. Hildreth, mercury vapor light on sheet
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
Site 44	7/15/2006	M. Lyons & K. Tloczynski, sweeping, decomposing seaweed mats
Site 53	7/16/2006	J. Rykken & B. Nichols, sweeping, along wrack line, vegetation on beach

## Sphaeroceridae sp. 1

Site 1	7/15/2006	C. Donahue, malaise trap
Site 3	7/16/2006	K. Hopkins, sweeping, lawn area, shoreline, shrubs

## Sphaeroceridae sp. 2

Site 6	7/15/2006	G.A.G. Dahlem, malaise trap, at benchmark
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**SYRPHIDAE***Eristalinus aeneus* (Scopoli)

Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand
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*Eristalis dimidiatus* Wiedemann

Site 1	7/15/2006	M. Anderson, by hand, Schooner Club window screen
Site 3	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches by shoreline

*Eristalis tenax* (Linnaeus)

Site 3	7/16/2006	K. Hopkins, sweeping, lawn area, shoreline, shrubs
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*Helophilus lapponicus* Wahlberg

Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow
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*Heringia* sp. 1

Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
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*Melanostoma mellinum* (Linnaeus)

Site 1	7/15/2006	A. Alyokhin, by hand, porch light, Schoodic Shores apartments
Site 4	7/15/2006	A. Alyokhin, sweeping, wooded edges of mowed lawn
Site 5	7/15/2006	C. Donahue, malaise trap
Site 9	7/16/2006	J. Rykken, sweeping, lawn and flowers
Site 2	7/15/2006	S. Balanson, sweeping, shoreline vegetation, near pump station
Site 4	7/16/2006	A. Alyokhin, sweeping, road shoulder
Site 5	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, in bog
Site 9	7/15/2006	W.S. Urquhart, sweeping, along shore and into woods
Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
Site 23	7/16/2006	D.S. Chandler, sweeping
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand
Site 27	7/15/2006	D.S. Chandler, sweeping, by pond
Site 28	7/15/2006	the Dearborns, sweeping and hand picking
Site 30	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh



Site 37	7/16/2006	B. Wiegmann, sweeping, along road
Site 39	7/15/2006	the Dearborns, sweeping and hand picking, low vegetation, <i>Spirea</i> complex
Site 43	7/16/2006	A. Alyokhin, sweeping, alders along road
Site 52	7/15/2006	S. Balanson, sweeping, coniferous forest
Site 53	7/16/2006	J. Rykken & B. Nichols, sweeping, along wrack line, vegetation on beach
<i>Microdon globosus</i> (Fabricius)		
Site 5	7/16/2006	S. Balanson & Tloczynski, sweeping, along margins and in bog
<i>Platycheirus quadratus</i> (Say)		
Site 2	7/15/2006	S. Balanson, sweeping, shoreline vegetation, near pump station
Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
<i>Platycheirus rosarum</i> (Fabricius)		
Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
<i>Sphaerophoria contigua</i> Macquart		
Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
<i>Sphaerophoria</i> sp. 2		
Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
<i>Syrphus vitripennis</i> Meigen		
Site 27	7/15/2006	the Dearborns, sweeping and hand picking
<i>Toxomerus geminatus</i> (Say)		
Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
Site 14	7/15/2006	D.S. Chandler, sweeping
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
Site 43	7/15/2006	W.S. Urquhart, sweeping, at edge between intertidal zone and upland
<i>Toxomerus marginatus</i> (Say)		
Site 1	7/15/2006	A. Alyokhin, sweeping, wooded edges of mowed lawn
	7/15/2006	B. Woo, M. Kelly, netting, hand pick, meadows, spray zone of seashore
	7/15/2006	J. Rykken, netting, lawn
	7/16/2006	J. Rykken, sweeping, lawn and flowers
Site 2	7/15/2006	S. Balanson, sweeping, shoreline vegetation, near pump station
	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches by shoreline
Site 3	7/16/2006	K. Hopkins, sweeping, lawn area, shoreline, shrubs
Site 4	7/16/2006	A. Alyokhin, sweeping, road shoulder
Site 9	7/15/2006	W.S. Urquhart, sweeping, along shore and into woods
Site 11	7/14/2006	B. & C. Thompson, sweeping, on flowers
Site 12	7/16/2006	C. Peters & R.W. Hildreth, mercury vapor light on sheet
Site 13	7/16/2006	K. Hopkins, sweeping, vegetation/flowers
Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
	7/15/2006	D.S. Chandler, sweeping
	7/15/2006	R. Nichols & D. Manski, hand picking on trees/shrubs with painted bait
Site 21	7/15/2006	B. Nichols, M. Mazurkiewicz, sweeping
Site 23	7/16/2006	D.S. Chandler, sweeping
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand
	7/15/2006	D.S. Chandler, sweeping, by pond
Site 27	7/15/2006	S. Balanson, sweeping, shrubs, emergent herbaceous vegetation
Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
Site 31	7/16/2006	K. Tloczynski & S. Long, sweeping and hand picking, wetland shrubs, bogs
Site 37	7/16/2006	B. Wiegmann, sweeping, along road

Site 39	7/15/2006	the Dearborns, sweeping and hand picking, low vegetation, <i>Spirea</i> complex
Site 43	7/16/2006	A. Alyokhin, sweeping, alders along road
Site 45	7/15/2006	W.S. Urquhart, sweeping, freshwater vernal pools along shoreline
Site 48	7/15/2006	S. Balanson, sweeping, wet meadow area
Site 52	7/15/2006	S. Balanson, sweeping, coniferous forest
Site 53	7/16/2006	J. Rykken & B. Nichols, sweeping, along wrack line, vegetation on beach

*Xyloa annulifera* Bigot

Site 36	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, coniferous forest
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**TABANIDAE***Hybomitra zonalis* (Kirby)

Site 21	7/17/2005	D.S. Chandler, dip net, freshwater pond
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*Tabanus* sp.

Site 14	7/15/2006	D.S. Chandler, sweeping
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**TACHINIDAE**

## Tachinidae sp.

Site 1	7/16/2006	M. Dearborn, hand pick/sweep net, near water tower
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand
Site 27	7/15/2006	S. Balanson, sweeping, shrubs, emergent herbaceous vegetation
Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh

## Tachinidae sp. 1

Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
Site 28	7/15/2006	J. Keiper, sweeping, at interface with upland-stream outflow

## Tachinidae sp. 2

Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
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## Tachinidae sp. 3

Site 3	7/16/2006	A. Alyokhin, sweeping, weedy, shrubby patches by shoreline
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## Tachinidae sp. 4

Site 14	7/15/2006	C. Donahue & J. Rykken, sweeping, alders
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## Tachinidae sp. 5

Site 5	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, in bog
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## Tachinidae sp. 6

Site 22	7/15/2006	D.S. Chandler, sweeping, along creek
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## Tachinidae sp. 7

Site 14	7/15/2006	D.S. Chandler, sweeping
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**TEPHRITIDAE***Campiglossa albiceps* (Loew)

Site 14	7/15/2006	D.S. Chandler, sweeping
Site 43	7/15/2006	W.S. Urquhart, sweeping, at edge between intertidal zone and upland

*Tephritis angustipennis* (Loew)

Site 43	7/15/2006	W.S. Urquhart, sweeping, at edge between intertidal zone and upland
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**TETHINIDAE***Pelomyiella mallochi* (Sturtevant)

Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
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**THEREVIDAE***Ozodiceromyia argentata* (Bellardi)

Site 1	7/16/2006	C. Donahue, malaise trap, campground
Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
Site 14	7/15/2006	D.S. Chandler, sweeping

*Pandivirilia conspicua* (Walker)

Site 12	7/16/2006	C. Peters & R.W. Hildreth, mercury vapor light on sheet
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*Thereva strigipes* Loew

Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
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**ULIDIIDAE***Chaetopsis aenae* (Wiedemann)

Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 3	7/16/2006	W. & D. Mathis, aerial sweep netting, mud-sand area of intertidal zone at picnic area
Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach
Site 23	7/16/2006	D.S. Chandler, sweeping
Site 26	7/15/2006	D.S. Chandler, sweeping, by pond
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and by hand
Site 28	7/15/2006	K. Tloczynski, S. Long, Graham, sweeping, steep slope, conifer forest
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh

*Chaetopsis apicalis* Johnson

Site 16	7/15/2006	W. & D. Mathis, aerial sweep netting, saltwater pond and some freshwater inputs (boggy and peaty), also on the cobble beach
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*Chaetopsis massyla* (Walker)

Site 2	7/15/2006	S. Balanson, sweeping, near shoreline
Site 26	7/15/2006	D. Michaud & D. Bourque, sweeping and hand picking
Site 30	7/15/2006	R.G. Mack, sweeping, edge of woods by salt marsh
Site 52	7/15/2006	S. Balanson, sweeping, coniferous forest
Site 53	7/16/2006	J. Rykken & B. Nichols, sweeping, along wrack line, vegetation on beach

*Delphinia picta* (Fabricius)

Site 14	7/15/2006	C. Peters & R.W. Hildreth, aspirator and sweep netting
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**Order Lepidoptera—the moths and butterflies**

Brian Scholtens, College of Charleston, Charleston, SC.

**AMPHISBATIDAE***Psilocorsis quercicella* Clemens

Site 1	7/22/2011	C. Donahue, at light
	7/23/2011	W.S. Urquhart, light trap

**BUCCULATRICIDAE***Bucculatrix ca. ainliella* Murtfeldt

Site 1	7/23/2011	B. Scholtens, at light
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**COLEOPHORIDAE***Blastobasis* sp. 1

Site 1	7/23/2011	B. Scholtens, at light
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<i>Coleophora alniella</i> Heinrich		
Site 1	7/23/2011	B. Scholtens, at light
<i>Coleophora deauratella</i> Lienig & Zeller		
Site 1	7/23/2011	B. Scholtens, at light
<i>Coleophora laricella</i> (Hübner)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Coleophora mayrella</i> (Hübner)		
Site 1	7/23/2011	B. Scholtens, at light
<i>Holcocera</i> sp. 1		
Site 1	7/22/2011	C. Donahue, at light
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Holcocera</i> sp. 2		
Site 1	7/24/2011	N. Melero, at light, lamppost near SEA office
<i>Holcocera</i> sp. 3		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Mompha</i> sp. 1		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Pigritia</i> sp. 1		
Site 133	7/24/2011	D. S. Chandler, uv light trap

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**COSMopterigidae**


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<i>Cosmopterix fernaldella</i> Walsingham		
Site 1	7/23/2011	W.S. Urquhart, light trap, B. Scholtens, at light
<i>Limnaecia phragmitella</i> Stainton		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments

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**CRAMBIDAE**


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<i>Algedonia mysippusalis</i> (Walker)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Anageshna primordialis</i> (Dyar)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
Site 134	7/23/2011	J. Carll, netting
	7/24/2011	J. Insinga, sweeping
<i>Anania funebris</i> (Ström)		
Site 14	6/13/2004	Maine Entomology Society Lep Blitz, by hand
<i>Arequipa turbatella</i> Walker		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	B. Scholtens, by hand
<i>Chrysoteuchia topiaria</i> (Zeller)		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	W.S. Urquhart, light trap
Site 17	7/24/2011	M. Jones, netting, parking lot
Site 101	7/24/2011	K. Urquhart, netting, low berry bushes with red berries in clusters
Site 7477	6/12/2004	
<i>Crambus agitatellus</i> Clemens		
Site 1	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
Site 22	7/23/2011	A. Insinga, black light
<i>Crambus albellus</i> Clemens		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
Site 6	7/23/2011	S. Gross, by hand, fir tree

Site 9	7/23/2011	M. Mann, netting
Site 15	7/23/2011	F. & F. Gralenski, netting, grasses, ferns, conifers
Site 17	7/24/2011	M. Jones, netting, parking lot
Site 21	7/23/2011	F. & F. Gralenski, netting
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	M. & I. Insigna, fluorescent light
	7/23/2011	M. Marion, netting, stream
Site 36	7/24/2011	D. Lievens, netting
	7/24/2011	J. Osgood, netting, wet area-bog bridges, bunchberry, red spruce, sedges, <i>Eriophorum</i>
Site 46	7/24/2011	K. Hutchins, netting
Site 101	7/24/2011	K. Urquhart, netting, low berry bushes with red berries in clusters
Site 115	7/23/2011	N. Marceau, sweeping
Site 125	7/23/2011	D. Lievens, netting, <i>Sphagnum</i> bog
Site 133	7/23/2011	D. Hillary, netting, boggy area
	7/24/2011	D.S. Chandler, uv light trap
Site 134	7/23/2011	A. Alyokhin, netting
	7/23/2011	J. Carll, netting
<i>Crambus bidens</i> Zeller		
Site 1	7/23/2011	B. Scholtens, by hand
	7/23/2011	W.S. Urquhart, light trap
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Crambus laqueatellus</i> Clemens		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz, lights on building
<i>Crambus pascuellus</i> (Linnaeus)		
Site 1	7/23/2011	B. Scholtens, by hand
<i>Crambus perlellus</i> Walker		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Crambus praefectellus</i> (Zincken)		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/23/2011	W.S. Urquhart, light trap
Site 12	6/13/2004	Maine Entomology Society Lep Blitz (Tony Roberts), by hand
<i>Crambus saltuellus</i> Zeller		
Site 1	7/23/2011	B. Scholtens, by hand
Site 22	7/23/2011	D.S. Chandler, black light
<i>Crambus unistriatellus</i> Packard		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Diacme adipaloides</i> (Grote & Robinson)		
Site 1	7/23/2011	B. Scholtens, sight record
<i>Dicymolomia julianalis</i> (Walker)		
Site 1	7/23/2011	B. Scholtens, sight record
<i>Donacaula longirostrella</i> (Clemens)		
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 48	7/23/2011	R. Cole-Will, netting, intertidal area across from trail
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Donacaula melinella</i> (Clemens)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 2	7/23/2011	D. Michaud, D. Bourque & B. Woo, sweeping, netting
Site 22	7/23/2011	B. Scholtens, black light
	7/23/2011	D.S. Chandler, black light
Site 81	7/23/2011	R.W. Hildreth, netting, pond E of road triangle
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Elophila icciusalis</i> (Walker)		
Site 7	7/23/2011	R.E. Nelson, sweeping, huckleberry/bayberry brush

*Eudonia vivida* Munroe

Site 22 7/23/2011 B. Scholtens, black light

*Eurrhyncha hortulata* (Linnaeus)

Site 1 7/22/2011 K. Hopkins, sight record.

*Eustixia pupula* Hübner

Site 1 7/23/2011 W.S. Urquhart, light trap

*Fissicrambus mutabilis* (Clemens)

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 22 7/23/2011 D.S. Chandler, black light

*Framinghamia helvalis* (Walker)

Site 1 7/23/2011 B. Scholtens, by hand

Site 38 7/24/2011 R. & R. Gobeil, netting, small meadow at park entrance

*Herpetogramma abdominalis* (Zeller)

Site 1 7/23/2011 W.S. Urquhart, light trap

7/24/2011 D. Manski, by hand, on spruce

Site 11 7/24/2011 N. Melero, netting, brackish pond

Site 14 7/23/2011 E. & L. King, netting

Site 22 7/23/2011 A. Insinga, black & fluorescent lights

7/23/2011 A. Insinga, black & fluorescent lights

7/23/2011 M. & I. Insigna, fluorescent light

Site 133 7/24/2011 D.S. Chandler, uv light trap

7/24/2011 D.S. Chandler, uv light trap

*Herpetogramma aeglealis* (Walker)

Site 1 7/23/2011 B. Scholtens, by hand

*Herpetogramma theseusalis* (Walker)

Site 25 7/23/2011 A. Schmidt, mercury vapor light

Site 81 7/23/2011 D. Lievens & J. Osgood, netting, brackish pond

*Lygropia rivulalis* Hampson

Site 22 7/23/2011 M. & I. Insigna, fluorescent light

Site 25 7/23/2011 K. Hopkins, mercury vapor light

*Microcrambus elegans* (Clemens)

Site 1 7/23/2011 B. Scholtens, at light, Schoodic Shores apartments

*Neodactria caliginosellus* (Clemens)

Site 1 7/23/2011 B. Scholtens, at light, Schoodic Shores apartments

Site 22 7/23/2011 D.S. Chandler, black light

Site 133 7/24/2011 D.S. Chandler, uv light trap

*Neodactria luteolellus* (Clemens)

Site 1 7/23/2011 W.S. Urquhart, light trap

7/24/2011 K. Sweeny, black light, Rockefeller Building

7/24/2011 N. Melero, at light, lamppost near SEA office

Site 18 7/24/2011 D. Hillary, netting

Site 31 7/23/2011 M. Jones, netting, lower third, rocky jack pine/scrub

Site 48 7/23/2011 R. Cole-Will, netting, intertidal area across from trail

Site 81 7/23/2011 R.W. Hildreth, netting, pond E of road triangle

Site 116 7/23/2011 R. Sharp, netting, shore line

*Neodactria zeellus* (Fernald)

Site 1 7/23/2011 W.S. Urquhart, light trap

7/24/2011 N. Melero, at light, lamppost near SEA office

*Nomophila nearctica* Munroe

Site 1 7/23/2011 B. Scholtens, by hand

7/23/2011 L. King, aerial netting

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, netting

Site 22 7/23/2011 D.S. Chandler, black light

Site 81 7/23/2011 R.W. Hildreth, netting, pond E of road triangle

Site 133 7/23/2011 D.S. Chandler, aerial netting, bog

*Pediasia trisecta* (Walker)

Site 1 7/23/2011 B. Scholtens, at light, Schoodic Shores apartments

*Phlyctaenia coronata* Hufnagel

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 22 7/23/2011 M. & I. Insigna, fluorescent light

*Raphiptera argillaceellus* (Packard)

Site 21 7/24/2011 K. Sweeney & N. Marceau, light trap

*Scoparia basalis* Walker

Site 6 7/23/2011 S. Gross, by hand, fir tree

*Scoparia biplagiata* Walker

Site 1 7/22/2011 C. Donahue, at light

7/23/2011 A. Insinga, by hand, in foyer of housing

7/23/2011 B. Scholtens, at light, Schoodic Shores apartments

7/23/2011 C. Teerling, by hand, buildings near light

7/23/2011 I. Gross, by hand, Schoodic Shores apartments

7/23/2011 S. Caballero & L. Patterson, at light, at housing garage

7/24/2011 C. Donahue, at light, Schoodic Shores apartments

7/24/2011 D. Lievens, on lights

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

Site 11 7/24/2011 N. Melero, netting, brackish pond

Site 21 7/23/2011 F. & F. Gralenski, netting

Site 22 7/23/2011 A. Insinga, black & fluorescent lights

7/23/2011 A. Insinga, black light

7/23/2011 D.S. Chandler, black light

7/23/2011 M. & I. Insigna, fluorescent light

7/23/2011 M. Marion, netting, stream

Site 25 7/23/2011 K. Hutchins, mercury vapor light

Site 27 7/23/2011 C. Cole-Will & W. Manski, netting, coniferous forest, understory  
birches blowdown

Site 115 7/23/2011 R. Rourk, by hand

Site 133 7/23/2011 D. Hillary, netting, boggy area

7/24/2011 D.S. Chandler, uv light trap

Site 134 7/23/2011 J. Carll, netting

*Sitochroa chortalis* (Grote)

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, netting

*Sitochroa palealis* (Denis & Schiffermüller)

Site 25 7/23/2011 K. Hutchins, mercury vapor light

*Udea inquinatalis* (Lienig & Zeller)

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights

*Udea rubigalis* (Guenée)

Site 1 7/22/2011 C. Donahue, at light

7/23/2011 B. Scholtens, at light, Schoodic Shores apartments

7/23/2011 K. Petrie, sweeping, at SERC warehouse

7/23/2011 M. Jones, at light

7/23/2011 S. Caballero & L. Patterson, at light, at housing garage

7/23/2011 W.S. Urquhart, light trap

Site 15 7/23/2011 F. & F. Gralenski, netting, grasses, ferns, conifers

Site 17 7/24/2011 A. Schmidt, netting, parking lot

Site 22 7/23/2011 A. Insinga, black & fluorescent lights

7/23/2011 A. Insinga, black light

7/23/2011 M. & I. Insigna, fluorescent light

Site 46 7/24/2011 P. Alyokhin, sweeping

Site 133 7/24/2011 D.S. Chandler, uv light trap

Site 148 7/24/2011 W.S. Urquhart, netting, roadside at rocks around Ned Island, rocks,  
grass, *Rosa rugosa*

*Urola nivalis* (Drury)

Site 1 7/22/2011 C. Donahue, at light  
7/23/2011 W.S. Urquhart, light trap

*Vaxi auratella* (Clemens)

Site 5 7/23/2011 C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog  
Site 133 7/24/2011 D.S. Chandler, uv light trap

**DREPANIDAE***Drepana arcuata* Walker

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, netting  
Site 25 7/23/2011 A. Schmidt, mercury vapor light

*Drepana bilineata* (Packard)

Site 1 6/12/2004 Maine Entomology Society Lep Blitz, lights on building  
7/23/2011 W.S. Urquhart, light trap  
7/23/2011 W.S. Urquhart, light trap  
7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
7/24/2011 F. Gralenski, by hand, on wall of housing  
Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
Site 22 7/23/2011 A. Insinga, black & fluorescent lights

*Habrosyne scripta* (Gosse)

Site 1 7/16/2006 K. Hopkins, at light  
7/23/2011 W.S. Urquhart, light trap  
7/23/2011 W.S. Urquhart, light trap  
7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
Site 22 7/23/2011 D.S. Chandler, black light  
Site 1 7/23/2011 W.S. Urquhart, light trap

*Oreta rosea* (Walker)

Site 1 8/10/2008 K. Hopkins, at light  
7/23/2011 D. Hillary, sweeping near light  
Site 14 7/23/2011 J. Insinga, sweeping  
Site 25 7/23/2011 A. Schmidt, mercury vapor light  
7/24/2011 D. Hillary, mercury vapor light  
7/24/2011 R.W. Hildreth, mercury vapor light  
Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

*Pseudothyatira cymatophoroides* (Guenée)

Site 1 7/16/2005 E. & L. King, K. Hull, by hand, Sundew Trail  
7/16/2005 E. Connery, hand collecting  
7/23/2011 M. Jones, at light  
7/23/2011 S. Caballero & L. Patterson, at light, at housing garage  
7/23/2011 W.S. Urquhart, light trap  
7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
Site 5 7/23/2011 C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog  
Site 25 7/23/2011 A. Schmidt, mercury vapor light  
7/23/2011 B. Kane, mercury vapor light  
7/23/2011 J.A. Dane, mercury vapor light  
7/23/2011 K. Hutchins, mercury vapor light  
7/24/2011 R.W. Hildreth, mercury vapor light

**ELACHISTIDAE***Bibarramblla allenella* (Walsingham)

Site 1 7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
Site 15 6/12/2004 Maine Entomology Society Lep Blitz, at baited trees at night



**EREBIDAE***Bleptina caradrinalis* Guenée

Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

*Caenurgina crassiuscula* (Haworth)

Site 1 6/12/2004 Maine Entomology Society Lep Blitz, lights on building

Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

Site 21 6/14/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Clemensia albata* Packard

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

Site 22 7/23/2011 D.S. Chandler, black light

7/23/2011 M. & I. Insigna, fluorescent light

Site 133 7/24/2011 D.S. Chandler, uv light trap

*Ctenucha virginica* (Esper)

Site 1 7/23/2011 S. Caballero & L. Patterson, at light, at housing garage

7/23/2011 W.S. Urquhart, light trap

7/23/2011 W.S. Urquhart, light trap

7/24/2011 K. Sweeney, black light, Rockefeller Building

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

Site 3 7/24/2011 R. & R. Gobeil, netting, picnic area

7/24/2011 R. & R. Gobeil, netting, picnic area

Site 5 7/16/2005 R. Webster & M.-A. Giguere, sweeping, beating foliage, small pools in *Sphagnum* bog with emergent vegetation

Site 6 7/23/2011 E. King, by hand

Site 15 7/23/2011 F. & F. Gralenski, netting, grasses, ferns, conifers

Site 18 7/24/2011 D. Hillary, netting

Site 25 7/23/2011 A. Schmidt, mercury vapor light

Site 81 7/23/2011 D. Lievens & J. Osgood, netting, brackish pond

Site 113 7/23/2011 D. Michaud & D. Bourque, sweeping

Site 133 7/24/2011 D.S. Chandler, uv light trap

*Cycnia tenera* Hübner

Site 20 7/24/2011 R. Sharp, by hand

*Grammia parthenice* (Linnaeus)

Site 1 7/23/2011 B. Scholtens, by hand

*Grammia virguncula* (Kirby)

Site 1 7/16/2006 K. Hopkins, at light

*Halysidota tessellaris* (Smith)

Site 1 7/23/2011 B. Scholtens, by hand

7/23/2011 B. Scholtens, by hand

Site 22 7/23/2011 M. & I. Insigna, fluorescent light

Site 25 7/24/2011 R.W. Hildreth, mercury vapor light

Site 133 7/24/2011 D.S. Chandler, uv light trap

*Haploa confusa* (Lyman)

Site 1 7/23/2011 B. Scholtens, by hand

Site 1 7/23/2011 B. Scholtens, by hand

Site 22 7/23/2011 D.S. Chandler, black light

*Hypena baltimoralis* (Guenée)

Site 22 7/23/2011 D.S. Chandler, black light

Site 1 7/16/2005 K. Hopkins, at light, at housing

7/23/2011 W.S. Urquhart, light trap

7/24/2011 K. Sweeney, black light, Rockefeller Building

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

Site 25 7/23/2011 J.A. Dane, mercury vapor light

*Hypena bijugalis* (Walker)

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights

*Hypena eductalis* (Walker)

Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

*Hypena scabra* (Fabricius)

Site 1	7/23/2011	B. Scholtens, by hand
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 20	7/24/2011	R. Sharp, by hand
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 25	7/23/2011	K. Hutchins, mercury vapor light
	7/24/2011	R.W. Hildreth, mercury vapor light
Site 44	7/23/2011	R.W. Hildreth, netting, Schoodic Shores garden to entrance road

*Hyponodes fractilinea* (Smith)

Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
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*Hypoprepia fucosa* (Hübner)

Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
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*Idia aemula* Hübner

Site 1	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	C. Donahue, at light, Schoodic Shores apartments

*Idia americalis* (Guenée)

Site 1	7/23/2011	B. Scholtens, by hand
Site 12	7/16/2005	K. Hopkins, mercury vapor light
Site 22	7/23/2011	M. & I. Insigna, fluorescent light

*Idia rotundalis* (Walker)

Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	N. Melero, at light, lamppost near SEA office
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	D.S. Chandler, black light
	7/23/2011	M. & I. Insigna, fluorescent light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 133	7/24/2011	D.S. Chandler, uv light trap

*Lophocampa caryae* Harris

Site 1	7/23/2011	M. Jones, at light
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/23/2011	W.S. Urquhart, light trap

*Lophocampa maculata* Harris

Site 1	6/12/2004	Maine Entomology Society Lep Blitz
	7/22/2011	C. Donahue, at light
	7/23/2011	I. Gross, by hand, Schoodic Shores apartments
	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
Site 25	7/24/2011	D. Hillary, mercury vapor light

*Lycomorpha pholus* (Drury)

Site 113	7/24/2011	D. Bourque & D. Michaud, by hand, on <i>Spirea</i> .
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*Macrochilo absorptalis* (Walker)

Site 1	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house

*Metalectra quadrisignata* (Walker)

Site 1	7/24/2011	D. Lievens, on lights
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*Pangrapta decoralis* Hübner

Site 1	7/23/2011	W.S. Urquhart, light trap
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Site 21	7/23/2011	F. & F. Gralenski, netting
Site 31	7/23/2011	M. Jones, netting, lower third, rocky jack pine/scrub.
<i>Panopoda rufimargo</i> (Hübner)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Parallelia bistriaris</i> Hübner		
Site 1	7/15/2005	J. McClarin, pitfall/dung beetle trap, near Schoodic Shores apartments
	7/23/2011	D. Hillary, sweeping near light
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	F. Gralenski, by hand, on wall of housing
Site 14	7/23/2011	J. Insinga, sweeping
Site 25	7/23/2011	K. Hopkins, mercury vapor light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Phalaenostola eumelusalis</i> (Walker)		
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Phalaenostola larentioides</i> Grote		
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Phalaenostola metonalis</i> (Walker)		
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	M. & I. Insigna, fluorescent light
<i>Phragmatobia assimilans</i> Walker		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Platarcta parthenos</i> (Harris)		
Site 1	7/24/2011	F. Gralenski, by hand, on wall of housing
	7/23/2007	K. Hopkins, by hand
	7/23/2011	B. Scholtens, by hand
	7/24/2011	K. Sweeny, black light, Rockefeller Building
	7/24/2011	K. Sweeny, black light, Rockefeller Building
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 12	7/16/2005	J.F. Crow, black light trap, coniferous forest
Site 22	7/23/2011	A. Insinga, black light
<i>Pyrrharctia isabella</i> (Smith)		
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Renia flavipunctalis</i> (Geyer)		
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Renia sobrialis</i> (Walker)		
Site 1	7/23/2011	M. Jones, at light
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	A. Insinga, black light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Scoliopteryx libatrix</i> (Linnaeus)		
Site 46	7/24/2011	K. Hutchins, netting
<i>Spilosoma congrua</i> Walker		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz
	7/23/2011	B. Scholtens, by hand
<i>Spilosoma virginica</i> (Fabricius)		
Site 1	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage

	7/24/2011	D. Manski, by hand, on spruce
	7/24/2011	K. Sweeny, black light, Rockefeller Building
	7/24/2011	M. Mann, at light
Site 25	7/24/2011	D. Hillary, mercury vapor light
<i>Zale aeruginosa</i> (Guenée)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Zale duplicata</i> (Bethune)		
Site 15	6/12/2004	Maine Entomology Society Lep Blitz, at baited trees at night
<i>Zale horrida</i> Hübner		
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
Site 13	6/12/2004	Maine Entomology Society Lep Blitz, mercury vapor light
<i>Zale lunata</i> (Drury)		
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Zale minerea</i> (Guenée)		
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Zanclognatha lituralis</i> (Hübner)		
Site 1	7/23/2011	B. Scholtens, by hand
<i>Zanclognatha marcidilinea</i> (Grote)		
Site 1	7/23/2011	B. Scholtens, by hand
Site 1	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/23/2011	W.S. Urquhart, light trap
Site 25	7/23/2011	K. Hutchins, mercury vapor light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

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**GELECHIIDAE**

<i>Aristotelia roseosuffusella</i> (Clemens)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Aroga</i> "non-argutiola"		
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Aroga argutiola</i> Hodges		
Site 13	6/12/2004	Maine Entomology Society Lep Blitz, mercury vapor light
<i>Aroga trialbamaculella</i> (Chambers) complex		
Site 1	7/23/2011	B. Scholtens, at light
<i>Carpatolechia</i> sp.		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Chionodes mediofuscella</i> (Clemens)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Chionodes sattleri</i> Hodges		
Site 133	7/24/2011	D. S. Chandler, uv light trap
<i>Coleotechnites canusella</i> (Freeman)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Coleotechnites coniferella</i> (Kearfott)		
Site 1	7/23/2011	B. Scholtens, at light
<i>Dichomeris juncidella</i> (Clemens)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Dichomeris marginella</i> (Fabricius)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap
<i>Dichomeris ochripalpella</i> (Zeller)		
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap
<i>Metzneria lappella</i> (Linnaeus)		
Site 1	7/23/2011	B. Scholtens, by hand

*Neotelphusa ca. querciella* (Chambers)

Site 1 7/23/2011 W.S. Urquhart, light trap  
 Site 133 7/24/2011 D. S. Chandler, uv light trap

*Pseudotelphusa* sp. 1

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights  
 Site 7477 6/12/2004

**GEOMETRIDAE***Acasis viridata* (Packard)

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Aethalura intertexta* (Walker)

Site 12 6/12/2004 Maine Entomology Society Lep Blitz, mercury vapor light

*Anavitrinella pampinaria* (Guenée)

Site 7477 6/12/2004

*Antepione thisoaria* (Guenée)

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Anticlea multiferata* (Walker)

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Besma endropiaria* (Grote & Robinson)

Site 14 6/12/2004 Maine Entomology Society Lep Blitz, at baited trees at night

*Besma quercivoraria* (Guenée)

Site 1 7/23/2011 B. Scholtens, by hand  
 7/23/2011 L. King, aerial netting  
 7/23/2011 W.S. Urquhart, light trap  
 7/24/2011 K. Sweeney, black light, Rockefeller Building  
 Site 25 7/23/2011 A. Schmidt, mercury vapor light

*Biston betularia cognataria* (Guenée)

Site 1 7/23/2011 W.S. Urquhart, light trap  
 Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights

*Cabera erythemaria* (Guenée)

Site 14 7/16/2005 F. Genier, beating and hand collecting

*Campaea perlata* (Guenée)

Site 1 7/23/2011 W.S. Urquhart, light trap  
 Site 25 7/23/2011 J.A. Dane, mercury vapor light  
 Site 148 7/24/2011 W.S. Urquhart, netting, roadside at rocks around Ned Island, rocks, grass, *Rosa rugosa*

*Caripeta angustiorata* Walker

Site 1 7/23/2011 M. Jones, at light

*Caripeta divisata* Walker

Site 1 7/15/2005 J. McClarin, carrion beetle traps, near Schoodic Shores apartments  
 7/22/2011 C. Donahue, at light  
 7/23/2011 M. Jones, at light  
 7/23/2011 S. Caballero & L. Patterson, at light, at housing garage  
 7/23/2011 W.S. Urquhart, light trap  
 7/23/2011 W.S. Urquhart, light trap  
 7/23/2011 W.S. Urquhart, light trap  
 7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
 7/24/2011 F. Gralenski, by hand, on wall of housing  
 Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
 Site 21 7/23/2011 F. & F. Gralenski, netting  
 7/17/2005 D.S. Chandler, sifting-berlesing, rotten birch logs  
 7/23/2011 A. Insinga, black & fluorescent lights  
 7/23/2011 D.S. Chandler, black light  
 7/23/2011 M. & I. Insigna, fluorescent light  
 7/23/2011 M. & I. Insigna, fluorescent light  
 7/23/2011 M. Marion, netting, stream

Site 25	7/23/2011	K. Hutchins, mercury vapor light
	7/23/2011	M. Marion, mercury vapor light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
Site 31	7/23/2011	M. Jones, netting, lower third, rocky jack pine/scrub
Site 44	7/23/2011	R.W. Hildreth, netting, Schoodic Shores garden to entrance road
Site 46	7/23/2011	C. Garrett, R. Sharp, G. Everett, netting
	7/24/2011	K. Hutchins, netting
	7/24/2011	P. Alyokhin, sweeping
	7/24/2011	P. Alyokhin, sweeping
Site 115	7/23/2011	N. Marceau, sweeping
Site 133	7/23/2011	D. Hillary, netting, boggy area
	7/24/2011	D.S. Chandler, uv light trap
Site 134	7/23/2011	J. Carll, netting
	7/23/2011	R. Rourk, netting
<i>Chlorochlamys chloroleucaria</i> (Guenée)		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz, netting, along road
<i>Chloroclysta truncata</i> (Hufnagel)		
Site 1	7/16/2005	J. McClarin, carrion bait stations with pitfalls, near Schoodic Shores apartments
Site 22	7/23/2011	M. & I. Insigna, fluorescent light
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Cladara limitaria</i> (Walker)		
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Costaconvexa centrostrigaria</i> (Wollaston)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Cyclophora pendulinaria</i> (Guenée)		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz, lights on building
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	D. Lievens, on lights
	7/24/2011	D. Manski, by hand, on spruce
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	M. Marion, netting, stream
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Digrammia continuata</i> (Walker)		
Site 1	7/23/2011	M. Jones, at light
<i>Dysstroma hersiliata</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Ecliptopera silaceata</i> (Denis & Schiffermüller)		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz, lights on building
<i>Ectropis crepuscularia</i> (Denis & Schiffermüller)		
Site 10	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Ematurga amitaria</i> (Guenée)		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
<i>Euchlaena madusaria</i> (Walker)		
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Euchlaena marginaria</i> (Minot)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Euchlaena muzaria</i> (Walker)		
Site 1	7/16/2005	E. & L. King, K. Hull, by hand, Sundew Trail
	7/23/2011	B. Scholtens, by hand
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/24/2011	M. Mann, at light

*Eufidonia discospilata* (Walker)

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, netting

*Eulithis explanata* (Walker)

Site 1 8/10/2008 K. Hopkins, at light  
 7/23/2011 I. Gross, by hand, Schoodic Shores apartments  
 7/23/2011 W.S. Urquhart, light trap  
 7/24/2011 A. Schmidt, at light  
 7/24/2011 N. Alyokhin, by hand, inside cabin  
 Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
 Site 14 7/23/2011 J. Insinga, sweeping  
 Site 22 7/23/2011 A. Insinga, black light  
 7/23/2011 M. & I. Insigna, fluorescent light  
 7/23/2011 M. Marion, netting, stream  
 Site 25 7/23/2011 A. Schmidt, mercury vapor light  
 7/23/2011 J.A. Dane, mercury vapor light  
 7/23/2011 K. Hutchins, mercury vapor light  
 7/23/2011 M. Marion, mercury vapor light  
 7/24/2011 R.W. Hildreth, mercury vapor light  
 Site 133 7/24/2011 D.S. Chandler, uv light trap

*Eulithis propulsata* (Walker)

Site 1 7/24/2011 D. Lievens, on lights  
 Site 1 7/23/2011 D. Hillary, sweeping near light

*Euphyia unangulata intermediata* (Guenée)

Site 1 7/23/2011 D. Hillary, sweeping near light  
 7/23/2011 W.S. Urquhart, light trap  
 Site 25 7/23/2011 K. Hopkins, mercury vapor light

*Eupithecia anticaria* Walker

Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Eupithecia miserulata* Grote

Site 7477 6/12/2004

*Eupithecia palpata* Packard

Site 7477 6/12/2004

*Eupithecia* sp. 1

Site 1 7/23/2011 B. Scholtens, by hand  
 7/23/2011 M. Jones, at light  
 7/24/2011 A. Schmidt, at light

*Eupithecia* sp. 2

Site 1 7/23/2011 B. Scholtens, by hand  
 7/23/2011 W.S. Urquhart, light trap  
 Site 22 7/23/2011 B. Scholtens, black light  
 7/23/2011 D.S. Chandler, black light  
 Site 25 7/23/2011 A. Schmidt, mercury vapor light

*Eupithecia* sp. 3

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket  
 Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Eusarca confusaria* Hübner

Site 81 7/23/2011 D. Lievens & J. Osgood, netting, brackish pond

*Eutrapela clemataria* (Smith)

Site 1 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Gueneria similaria* (Walker)

Site 1 7/24/2011 N. Melero, at light, lamppost near SEA office

*Hesperumia sulphuraria* Packard

Site 1 7/23/2011 B. Scholtens, by hand  
 7/23/2011 S. Caballero & L. Patterson, at light, at housing garage

*Homochlodes disconventa* (Walker)

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Homochlodes fritillaria* (Guenée)

Site 12 6/13/2004 Maine Entomology Society Lep Blitz (Tony Roberts), by hand

*Homochlodes lactispargaria* (Walker)

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Hydrelia lucata* (Guenée)

Site 14 6/13/2004 Maine Entomology Society Lep Blitz, by hand

*Hydriomena renunciata* (Walker)

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

Site 31 7/16/2005 J.S. Weaver, sweeping, by hand, alder/maple.

*Hypagyrtis piniata* (Packard)

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

*Idaea dimidiata* (Hufnagel)

Site 1 7/23/2011 B. Scholtens, by hand

7/23/2011 S. Caballero & L. Patterson, at light, at housing garage

7/24/2011 N. Melero, at light, lamppost near SEA office

Site 22 7/23/2011 D.S. Chandler, black light

7/23/2011 M. & I. Insigna, fluorescent light

*Iridopsis larvaria* (Guenée)

Site 1 7/23/2011 M.E. Mazurkiewicz, at light, Hancock Building parking area

Site 25 7/23/2011 B. Kane, mercury vapor light

Site 7477 6/12/2004

*Iridopsis vellivolata* (Hulst)

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

Site 11 6/12/2004 Maine Entomology Society Lep Blitz

*Lambdina fiscellaria* (Guenée)

Site 1 7/23/2011 B. Scholtens, by hand

*Lobophora nivergerata* Walker

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Lomographa vestaliata* (Guenée)

Site 3 7/23/2011 M. Stern & R. King, netting, picnic area

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

Site 14 7/23/2011 S. Gross, by hand

*Macaria bisignata* (Walker)

Site 22 7/23/2011 M. & I. Insigna, fluorescent light

7/23/2011 A. Insigna, black & fluorescent lights

*Macaria fissinotata* (Walker)

Site 1 7/23/2011 D. Hillary, sweeping near light

7/23/2011 M. Jones, at light

7/23/2011 W.S. Urquhart, light trap

7/24/2011 C. Donahue, at light, Schoodic Shores apartments

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

Site 6 7/23/2011 I. Gross, by hand, fir tree

7/23/2011 M. Jones, netting

Site 21 7/24/2011 K. Sweeney & N. Marceau, light trap

Site 44 7/23/2011 R.W. Hildreth, netting, Schoodic Shores garden to entrance road

Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse

road

Site 133 7/24/2011 D.S. Chandler, uv light trap

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Macaria marmorata* Ferguson

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 133 7/24/2011 D.S. Chandler, uv light trap

Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights



*Macaria masquerata* Ferguson

Site 1	7/23/2011	B. Scholtens, by hand
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
Site 11	6/12/2004	Maine Entomology Society Lep Blitz
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light

*Macaria pinistrobata* Ferguson

Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	D.S. Chandler, black light

*Macaria ulsterata* (Pearsall)

Site 1	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
Site 1	7/16/2005	K. Hopkins, at light, at housing
	7/17/2005	K. Hopkins, near carcass of dead squirrel, in coniferous forest near Schooner Club

*Melanolophia canadaria* (Guenée)

Site 15	6/12/2004	Maine Entomology Society Lep Blitz, at baited trees at night
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*Melanolophia signataria* (Walker)

Site 11	6/12/2004	Maine Entomology Society Lep Blitz
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*Mesothea incertata* (Walker)

Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
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*Metanema inatomaria* Guenée

Site 1	7/23/2011	B. Scholtens, by hand
	7/24/2011	F. Gralenski, by hand, on wall of housing
	7/24/2011	K. Sweeney, black light, Rockefeller Building

*Metarranthis amyrisaria* (Walker)

Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
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*Metarranthis duaria* (Guenée)

Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
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*Metarranthis indeclinata* (Walker)

Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
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*Nematocampa resistaria* (Herrich-Schäffer)

Site 7	8/10/2008	K. Hopkins, mercury vapor light
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*Nemoria mimosaria* (Guenée)

Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
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*Nemoria rubrifrontaria* (Packard)

Site 7477	6/12/2004	
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*Orthofidonia tinctaria* (Walker)

Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
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*Perizoma alchemillata* (Linnaeus)

Site 1	7/16/2005	R. Webster, by hand, on road
	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	B. Scholtens, by hand
	7/23/2011	W.S. Urquhart, light trap
Site 12	7/16/2005	K. Hopkins, mercury vapor light
Site 46	7/24/2011	P. Alyokhin, sweeping

*Perizoma basaliata* (Walker)

Site 22	7/23/2011	B. Scholtens, black light
Site 81	7/23/2011	D. Lievens & J. Osgood, netting, brackish pond

*Pero morrisonaria* (Edwards)

Site 1	7/23/2011	B. Scholtens, by hand
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket

*Petrophora subaequaria* (Walker)

Site 7477	6/12/2004	
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*Plagodis alcoolaria* (Guenée)

Site 2	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
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*Plagodis phlogosaria* (Guenée)

- Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket  
 Site 12 6/12/2004 Maine Entomology Society Lep Blitz, mercury vapor light

*Plagodis pulveraria occiduaria* (Walker)

- Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Plagodis serinaria* Herrich-Schäffer

- Site 2 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Pleuroprucha insulsaria* (Guenée)

- Site 1 7/23/2011 B. Scholtens, at light, Schoodic Shores apartments  
 Site 22 7/23/2011 A. Insinga, black light

*Probole alienaria* Herrich-Schäffer

- Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket  
 Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Protoarmia porcelaria* (Guenée)

- Site 1 7/23/2011 D. Hillary, sweeping near light  
 7/23/2011 M. Jones, at light  
 7/23/2011 W.S. Urquhart, light trap  
 7/24/2011 D. Lievens, on lights  
 7/24/2011 K. Sweeney, black light, Rockefeller Building  
 Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
 Site 6 7/23/2011 I. Gross, by hand, fir tree  
 Site 11 7/24/2011 N. Melero, netting, brackish pond  
 Site 14 7/23/2011 J. Insinga, sweeping  
 Site 22 7/23/2011 A. Insinga, black light  
 7/23/2011 D.S. Chandler, black light  
 7/23/2011 M. & I. Insigna, fluorescent light  
 Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

*Rheumaptera hastata* (Linnaeus)

- Site 1 6/12/2004 Maine Entomology Society Lep Blitz  
 Site 6 7/23/2011 S. Gross, by hand, fir tree

*Rheumaptera prunivora* (Ferguson)

- Site 3 7/23/2011 M. Stern & R. King, netting, picnic area  
 Site 25 7/24/2011 R.W. Hildreth, mercury vapor light

*Scopula limboundata* (Haworth)

- Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
 Site 10 7/24/2011 D. Hillary, sweeping  
 Site 14 7/23/2011 S. Gross, by hand  
 Site 22 7/23/2011 A. Insinga, black light  
 7/23/2011 D.S. Chandler, black light  
 7/23/2011 M. Marion, netting, stream  
 Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road  
 Site 133 7/23/2011 D. Hillary, netting, boggy area  
 Site 200 7/23/2011 D. Lievens & J. Osgood, netting, along road

*Selenia kentaria* (Grote & Robinson)

- Site 15 6/12/2004 Maine Entomology Society Lep Blitz, at baited trees at night

*Spargania magnoliata* Guenée

- Site 1 7/23/2011 M. Jones, at light  
 7/23/2011 S. Caballero & L. Patterson, at light, at housing garage.

*Synchlora aerata* (Fabricius)

- Site 1 7/23/2011 W.S. Urquhart, light trap  
 Site 22 7/23/2011 M. & I. Insigna, fluorescent light  
 Site 25 7/24/2011 D. Hillary, mercury vapor light

*Tacparia atropunctata* (Packard)

- Site 11 6/12/2004 Maine Entomology Society Lep Blitz

<i>Tacparia detersata</i> (Guenée)		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Tetracis cachexiata</i> Guenée		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Tetracis crocallata</i> Guenée		
Site 14	6/13/2004	Maine Entomology Society Lep Blitz, by hand
<i>Venusia cambrica</i> Curtis		
Site 12	6/12/2004	Maine Entomology Society Lep Blitz, mercury vapor light
Site 12	7/16/2005	R.W. Hildreth, sweeping
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	A. Insinga, black light
	7/23/2011	B. Scholtens, black light
	7/23/2011	M. & I. Insigna, fluorescent light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Xanthorhoe abrasaria</i> (Herrich-Schäffer)		
Site 1	7/17/2005	R. Webster & M.-A. Giguere, ultraviolet light trap, spruce forest near Knox cabin
	7/23/2011	W.S. Urquhart, light trap
<i>Xanthorhoe ferrugata</i> (Clerck)		
Site 25	7/23/2011	A. Schmidt, mercury vapor light
<i>Xanthorhoe iduata</i> (Guenée)		
Site 46	7/23/2011	C. Garrett, R. Sharp, G. Everett, netting
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 115	7/23/2011	N. Marceau, sweeping
<i>Xanthotype urticaria</i> Swett		
Site 1	7/23/2011	K. Petrie, netting, ledge with conifers, near SERC warehouse
	7/23/2011	W.S. Urquhart, light trap
Site 10	7/16/2005	C. Peters, by hand, on flowers and under rocks
Site 134	7/23/2011	R. Rourk, netting

**GLYPHIPTERYGIDAE**

<i>Glyphipterix sistes</i> Heppner		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting

**GRACILLARIIDAE**

<i>Caloptilia alnicolella</i> (Chambers)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Caloptilia fraxinella</i> (Ely)		
Site 1	7/23/2011	W.S. Urquhart, light trap, B. Scholtens, by hand
<i>Caloptilia</i> sp. 1/form		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights

**HEPIALIDAE**

<i>Korscheltellus gracilis</i> (Grote)		
Site 1	7/23/2011	W.S. Urquhart, light trap

**HESPERIIDAE**

<i>Amblyscirtes vialis</i> (Edwards)		
Site 7477	6/12/2004	
<i>Ancyloxypha numitor</i> (Fabricius)		
Site 3	7/23/2011	M. Stern & R. King, netting, picnic area
Site 14	7/23/2011	J. Insinga, sweeping
	7/23/2011	M. Gross, by hand
Site 27	7/23/2011	R. & R. Gobeil, netting, at stream with culvert

Site 44	7/23/2011	R.W. Hildreth, netting, Schoodic Shores garden to entrance road
Site 46	7/23/2011	C. Garrett, R. Sharp, G. Everett, netting
Site 133	7/23/2011	D. Hillary, netting, boggy area
	7/23/2011	D.S. Chandler, aerial netting, Bog
Site 134	7/23/2011	A. Alyokhin, netting
	7/24/2011	J. Insinga, sweeping
<i>Erynnis juvenalis</i> (Fabricius)		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
<i>Euphyes vestris</i> (Boisduval)		
Site 34	7/24/2011	C. Teerling & J. Rykken, netting, bog site
Site 38	7/24/2011	R. & R. Gobeil, netting, small meadow at park entrance
Site 90	7/24/2011	L. Garrett, netting, Park exit, next to pond
Site 113	7/23/2011	D. Michaud & D. Bourque, sweeping
<i>Poanes hobomok</i> (Harris)		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
<i>Polites mystic</i> (Edwards)		
Site 2	7/23/2011	D. Michaud, D. Bourque & B. Woo, sweeping, netting
	7/23/2011	R. & R. Gobeil, netting, near pump house
Site 3	7/24/2011	R. & R. Gobeil, netting, picnic area
Site 10	7/24/2011	D. Hillary, sweeping
Site 38	7/24/2011	R. & R. Gobeil, netting, small meadow at park entrance
Site 81	7/23/2011	R.W. Hildreth, netting, pond E of road triangle
Site 133	7/23/2011	D. Hillary, netting, boggy area
<i>Polites themistocles</i> (Latreille)		
Site 3	7/24/2011	R. & R. Gobeil, netting, picnic area

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**LASIOCAMPIDAE**
*Malacosoma americana* (Fabricius)

Site 25 7/23/2011 M. Marion, mercury vapor light

*Malacosoma disstria* Hübner

Site 21 7/16/2005 H. & C. Gibbs, aquatic net

*Phyllodesma americana* (Harris)

Site 7477 6/12/2004

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**LIMACODIDAE***Lithacodes fasciola* (Herrich-Schäffer)

Site 25 7/24/2011 R.W. Hildreth, mercury vapor light

*Tortricidia testacea* Packard

Site 1 7/23/2011 W.S. Urquhart, light trap

7/23/2011 W.S. Urquhart, light trap

7/24/2011 M. Mann, at light

Site 13 7/17/2005 K. Hopkins, sweeping, vegetation

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**LYCAENIDAE***Celastrina ladon* (Cramer)

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, netting

Site 19 6/13/2004 Maine Entomology Society Lep Blitz, by hand

*Celastrina neglecta* (Edwards)

Site 3 7/23/2011 M. Stern & R. King, netting, picnic area

7/23/2011 R. & R. Gobeil, netting, picnic area

Site 5 7/23/2011 C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog

Site 7 7/23/2011 R.E. Nelson, sweeping, huckleberry/bayberry brush

Site 15 7/23/2011 F. & F. Gralenski, netting, grasses, ferns, conifers

Site 18 7/24/2011 D. Hillary, netting

Site 27 7/23/2011 W. Manski, netting, near pump house

Site 89 7/23/2011 K. Hull, netting, parking lot

Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
Site 12	6/13/2004	Maine Entomology Society Lep Blitz (Tony Roberts), by hand
<i>Glaucopsyche lygdamus</i> (Doubleday)		
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
	6/12/2004	Maine Entomology Society Lep Blitz, netting
<i>Lycaena epixanthe</i> (Boisduval & LeConte)		
Site 13	7/23/2011	Caballero, Chen, Patterson, Towle, sweeping, shrubs with juniper, blueberries, and stunted evergreens
Site 20	7/24/2011	M. Mann, netting
	7/24/2011	R. Sharp, by hand
Site 34	7/24/2011	C. Teerling & J. Rykken, netting, bog site
Site 81	7/23/2011	R.W. Hildreth, netting, pond E of road triangle.
<i>Lycaena phlaeus americana</i> Harris		
Site 17	6/13/2004	Maine Entomology Society Lep Blitz, by hand

**NEPTICULIDAE***Stigmella* sp. 1

Site 1	7/23/2011	W.S. Urquhart, light trap
Site 21	7/24/2011	K. Sweeney & N. Marceau, light trap

**NOCTUIDAE***Abagrotis brunneipennis* (Grote)

Site 22	7/23/2011	D.S. Chandler, black light
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*Acronicta americana* (Harris)

Site 1	7/23/2011	J.A. Dane, at light, Moore Auditorium
	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
	7/24/2011	K. Sweeny, black light, Rockefeller Building
Site 9	7/16/2005	J.S. Weaver, sweeping, <i>Spirea</i> flowers
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	B. Scholtens, black light
	7/23/2011	D.S. Chandler, black light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light

*Acronicta dactylina* Grote

Site 3	7/17/2005	F. Genier, Hand collecting, on beach
Site 12	6/12/2004	Maine Entomology Society Lep Blitz, mercury vapor light
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	A. Insinga, black light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 133	7/24/2011	D.S. Chandler, uv light trap

*Acronicta fragilis* (Guenée)

Site 1	7/16/2006	K. Hopkins, at light
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
Site 25	7/23/2011	M. Jones, mercury vapor light

*Acronicta grisea* Walker

Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
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*Acronicta haesitata* (Grote)

Site 1	7/23/2011	W.S. Urquhart, light trap
Site 1	7/23/2011	W.S. Urquhart, light trap

*Acronicta innotata* Guenée

Site 1	7/23/2011	B. Scholtens, by hand
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	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 12	7/16/2005	R.W. Hildreth, hand collected, in litter layer
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 25	7/23/2011	M. Jones, mercury vapor light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Acronicta noctivaga</i> Grote		
Site 15	6/12/2004	Maine Entomology Society Lep Blitz, at baited trees at night
<i>Acronicta obliqua</i> (J. E. Smith)		
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Acronicta superans</i> Guenée		
Site 12	7/16/2005	K. Hopkins, mercury vapor light
<i>Acronicta tritona</i> (Hübner)		
Site 14	7/16/2005	R.G. Mack, C. Peters, R. Hildreth, R.G. Dearborn, mercury vapor light on sheet, conifer area
<i>Agriopodes fallax</i> (Herrich-Schäffer)		
Site 1	7/23/2011	M. Jones, at light
Site 7	8/8/2009	K. Hopkins, mercury vapor light
Site 22	7/23/2011	D.S. Chandler, black light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Agrotis ipsilon</i> (Hufnagel)		
Site 1	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	B. Scholtens, by hand
	7/23/2011	L. Garrett, aerial netting, Schoodic Shores
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	K. Sweeney, black light, Rockefeller Building
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 20	7/24/2011	R. Sharp, by hand
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 25	7/23/2011	K. Hutchins, mercury vapor light
	7/24/2011	R.W. Hildreth, mercury vapor light
Site 44	7/23/2011	R.W. Hildreth, netting, Schoodic Shores garden to entrance road
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Allagrapha aerea</i> (Hübner)		
Site 1	7/23/2007	K. Hopkins, by hand
	7/23/2011	W.S. Urquhart, light trap
<i>Amolita fessa</i> Grote		
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Amphipoea americana</i> (Speyer)		
Site 1	8/10/2008	K. Hopkins, at light
<i>Amphipoea interoceanica</i> (Smith)		
Site 7	8/10/2008	K. Hopkins, mercury vapor light
<i>Anagrapha falcifera</i> (Kirby)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 3	7/24/2011	R. & R. Gobeil, netting, picnic area
Site 20	7/24/2011	R. Sharp, by hand
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Anaplectoides prasina</i> (Denis & Schiffmüller)		
Site 1	7/15/2005	J. McClarin, pitfall/dung beetle trap, near Schoodic Shores apartments
	7/16/2005	K. Hopkins, at light, at housing

	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
Site 22	7/23/2011	A. Insinga, black light
Site 25	7/23/2011	A. Schmidt, mercury vapor light
	7/23/2011	J.A. Dane, mercury vapor light
	7/23/2011	K. Hutchins, mercury vapor light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Apamea amputatrix</i> (Fitch)		
Site 1	7/15/2005	J. McClarin, uv light trap, Schooner Club
	7/23/2011	L. King, aerial netting
	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
Site 7	8/10/2008	K. Hopkins, mercury vapor light
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	D.S. Chandler, black light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
Site 30	7/16/2005	C. Peters, by hand
<i>Apamea commoda</i> (Walker)		
Site 7477	7/23/2011	
<i>Apamea devastator</i> (Brace)		
Site 22	7/16/2005	D.S. Chandler, sifting-berlesing, spruce fir leaf litter
<i>Apamea dubitans</i> (Walker)		
Site 7	8/8/2009	K. Hopkins, mercury vapor light
<i>Apamea impulsiva</i> (Guenée)		
Site 22	7/23/2011	M. & I. Insigna, fluorescent light
<i>Apamea inordinata</i> (Morrison)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Apamea lignicolora</i> (Guenée)		
Site 5	7/16/2005	R. Webster, sifting <i>Sphagnum</i> , <i>Sphagnum</i> -lined pools in bog
<i>Apamea verbascoides</i> (Guenée)		
Site 1	7/23/2011	M. Jones, at light
	7/23/2011	W.S. Urquhart, light trap
Site 16	7/17/2005	D.S. Chandler, sifting-berlesing, salt marsh litter
<i>Aplectoides condita</i> (Guenée)		
Site 3	6/13/2004	Maine Entomology Society Lep Blitz, netting
<i>Autographa precationis</i> (Guenée)		
Site 1	7/23/2011	B. Scholtens, by hand
Site 25	7/23/2011	B. Scholtens, mercury vapor light
<i>Balsa labecula</i> (Grote)		
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Balsa malana</i> (Fitch)		
Site 31	7/16/2005	R.E. & N.K. Nelson, sweeping weeds and brush, from road to pumping station
<i>Bellura obliqua</i> (Walker)		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz, lights on building
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Callopietria cordata</i> (Ljungh)		
Site 1	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
	7/24/2011	K. Sweeny, black light, Rockefeller Building
Site 9	7/23/2011	M. Mann, netting
Site 16	7/17/2005	D.S. Chandler, barrier pitfall trap, salt marsh
Site 25	7/23/2011	M. Marion, mercury vapor light
Site 133	7/24/2011	D.S. Chandler, uv light trap

*Callopietria mollissima* (Guenée)

- Site 1 7/16/2005 J. McClarin, sweeping, flowers, leaves, plants around ballfield  
7/23/2011 B. Scholtens, by hand  
Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

*Capis curvata* Grote

- Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

*Cerma cora* Hübner

- Site 1 7/16/2006 K. Hopkins, at light

*Charadra deridens* (Guenée)

- Site 1 7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
Site 5 7/16/2005 R. Webster & M.-A. Giguere, sweeping, beating foliage, small pools  
in *Sphagnum* bog with emergent vegetation  
Site 1 7/24/2011 N. Melero, at light, lamppost near SEA office

*Chrysanympha formosa* (Grote)

- Site 1 7/23/2007 K. Hopkins, by hand  
7/23/2011 W.S. Urquhart, light trap  
7/23/2011 W.S. Urquhart, light trap  
7/23/2011 W.S. Urquhart, light trap  
Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
Site 22 7/23/2011 D.S. Chandler, black light  
7/23/2011 M. & I. Insigna, fluorescent light  
Site 25 7/24/2011 R.W. Hildreth, mercury vapor light

*Cryptocala acadensis* (Bethune)

- Site 7 8/10/2008 K. Hopkins, mercury vapor light

*Cucullia convexpennis* Grote & Robinson

- Site 1 7/23/2007 K. Hopkins, by hand

*Dargida diffusa* (Walker)

- Site 11 6/12/2004 Maine Entomology Society Lep Blitz

*Diarsia jucunda* (Walker)

- Site 1 7/23/2011 W.S. Urquhart, light trap  
Site 8 7/16/2005 M.E. Mazurkiewicz, aerial netting, on blue flag iris  
Site 22 7/23/2011 A. Insinga, black light  
Site 133 7/24/2011 D.S. Chandler, uv light trap

*Elaphria alapallida* Pogue & Sullivan

- Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights  
Site 14 6/12/2004 Maine Entomology Society Lep Blitz, at baited trees at night

*Elaphria versicolor* (Grote)

- Site 1 7/23/2011 B. Scholtens, by hand  
Site 12 6/12/2004 Maine Entomology Society Lep Blitz, mercury vapor light  
Site 22 7/23/2011 A. Insinga, black light

*Eueretagrotis attentus* (Grote)

- Site 1 7/23/2007 K. Hopkins, by hand  
7/23/2011 W.S. Urquhart, light trap  
Site 8 7/16/2005 M.E. Mazurkiewicz, aerial netting, on blue flag iris  
Site 25 7/16/2005 J.F. Crow, black light trap, coniferous forest along small stream  
Site 133 7/24/2011 D.S. Chandler, uv light trap

*Eueretagrotis perattentus* (Grote)

- Site 1 7/23/2011 W.S. Urquhart, light trap  
7/24/2011 C. Donahue, at light, Schoodic Shores apartments  
Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
Site 25 7/23/2011 A. Schmidt, mercury vapor light  
7/23/2011 K. Hutchins, mercury vapor light  
7/24/2011 R.W. Hildreth, mercury vapor light  
Site 133 7/24/2011 D.S. Chandler, uv light trap

*Euplexia benesimilis* McDunnough

- Site 1 7/23/2007 K. Hopkins, by hand



<i>Eurois astricta</i> Morrison		
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Feltia mollis</i> (Walker)		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
<i>Feralia comstocki</i> (Grote)		
Site 15	6/12/2004	Maine Entomology Society Lep Blitz, at baited trees at night
<i>Harrisimemna trisignata</i> (Walker)		
Site 1	7/23/2011	D. Bourque, by hand, on light
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	L. King, aerial netting, Moore Auditorium
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 25	7/23/2011	A. Schmidt, mercury vapor light
	7/23/2011	B. Kane, mercury vapor light
	7/23/2011	K. Hutchins, mercury vapor light
	7/23/2011	M. Jones, mercury vapor light
	7/24/2011	R.W. Hildreth, mercury vapor light
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Hyppa xylinoides</i> (Guenée)		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz
	7/23/2011	W.S. Urquhart, light trap
<i>Lacanobia atlantica</i> (Grote)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Lacanobia grandis</i> (Guenée)		
Site 10	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Lacinipolia anguina</i> (Grote)		
Site 12	6/12/2004	Maine Entomology Society Lep Blitz, mercury vapor light
<i>Lacinipolia lorea</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 21	7/16/2005	Letsch & Letsch, dip net, on pond surface.
<i>Lacinipolia renigera</i> (Stephens)		
Site 1	7/23/2011	L. King, aerial netting
	7/23/2011	W.S. Urquhart, light trap
Site 7	8/10/2008	K. Hopkins, mercury vapor light
Site 12	7/16/2005	K. Hopkins, mercury vapor light
<i>Lateroligia ophiogramma</i> (Esper)		
Site 1	7/23/2011	M. Jones, at light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Leucania multilinea</i> Walker		
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	A. Insinga, black light
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Leuconycta diptheroides</i> (Guenée)		
Site 1	7/23/2007	K. Hopkins, by hand
	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 5	7/16/2005	R. Webster & M.-A. Giguere, dip net/treading, small <i>Sphagnum</i> -lined pools with emergent vegetation in bog
Site 25	7/23/2011	M. Marion, mercury vapor light
<i>Leuconycta lepidula</i> (Grote)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Lycophotia phyllophora</i> (Grote)		
Site 22	7/23/2011	A. Insinga, black light
	7/23/2011	I. Gross, by hand, Schoodic Shores apartments
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house

Site 22	7/23/2011	A. Insinga, black light
	7/23/2011	D.S. Chandler, black light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Maliattha synochitis</i> (Grote & Robinson)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Mamestra curialis</i> (Smith)		
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Melanchnra adjuncta</i> (Guenée)		
Site 1	7/23/2011	B. Scholtens, by hand
	7/24/2011	A. Schmidt, at light
Site 11	6/12/2004	Maine Entomology Society Lep Blitz
Site 12	7/16/2005	K. Hopkins, mercury vapor light
<i>Morrisonia latex</i> (Guenée)		
Site 1	6/12/2004	Maine Entomology Society Lep Blitz
<i>Mythimna unipuncta</i> (Haworth)		
Site 1	7/23/2011	B. Scholtens, by hand
	7/23/2011	D. Hillary, sweeping near light
	7/23/2011	M. Jones, at light
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/24/2011	A. Schmidt, at light
	7/24/2011	D. Manski, by hand, on spruce
Site 25	7/23/2011	A. Schmidt, mercury vapor light
	7/23/2011	K. Hutchins, mercury vapor light
Site 148	7/24/2011	W.S. Urquhart, netting, roadside at rocks around Ned Island, rocks, grass, <i>Rosa rugosa</i>
<i>Noctua pronuba</i> (Linnaeus)		
Site 1	7/23/2011	J. Insinga, by hand, apartment
	7/23/2011	S. Caballero & L. Patterson, at light, at housing garage
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
	7/24/2011	K. Sweeny, black light, Rockefeller Building
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 3	7/23/2011	M. Stern & R. King, netting, picnic area
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	D.S. Chandler, black light
Site 25	7/16/2005	J.F. Crow, black light trap, coniferous forest along small stream
	7/23/2011	A. Schmidt, mercury vapor light
	7/23/2011	K. Hutchins, mercury vapor light
	7/24/2011	R.W. Hildreth, mercury vapor light
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Ochropleura implecta</i> Lafontaine		
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
<i>Orthodes cynica</i> Guenée		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
<i>Orthodes detracta</i> (Walker)		
Site 6	7/17/2005	D.S. Chandler, sifting-berlesing, jack pine/spruce/fir forest litter
<i>Panthea acronyctoides</i> (Walker)		
Site 1	7/17/2005	J. McClarin, by hand, powerline clearing, sporulated slime mold on birch root base
	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	D.S. Chandler, black light
	7/23/2011	M. & I. Insigna, fluorescent light

Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
Site 7477	6/12/2004	
<i>Panthea furcilla</i> (Packard)		
Site 15	6/12/2004	Maine Entomology Society Lep Blitz, at baited trees at night
<i>Phlogophora iris</i> Guenée		
Site 19	6/13/2004	Maine Entomology Society Lep Blitz, by hand
<i>Phlogophora periculosa</i> Guenée		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Polia imbrifera</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 25	7/23/2011	K. Hutchins, mercury vapor light
<i>Polia nimbosa</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	M. Mann, at light
Site 25	7/23/2011	K. Hutchins, mercury vapor light
	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Polia purpurissata</i> (Grote)		
Site 7	8/10/2008	K. Hopkins, mercury vapor light
<i>Polia</i> sp. 1		
Site 1	7/24/2011	A. Schmidt, at light
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
<i>Protodeltote albidula</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 44	7/23/2011	R.W. Hildreth, netting, Schoodic Shores garden to entrance road
Site 81	7/23/2011	D. Lievens & J. Osgood, netting, brackish pond
<i>Protodeltote muscosula</i> (Guenée)		
Site 22	7/23/2011	D.S. Chandler, black light
Site 25	7/23/2011	K. Hopkins, mercury vapor light
<i>Proxenus miranda</i> (Grote)		
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Pseudeustrotia carneola</i> (Guenée)		
Site 11	6/12/2004	Maine Entomology Society Lep Blitz
Site 1	7/23/2007	K. Hopkins, by hand
	7/23/2011	B. Scholtens, by hand
Site 25	7/23/2011	J.A. Dane, mercury vapor light
<i>Pseudorthodes vecors</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Raphia frater</i> Grote		
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
<i>Schinia florida</i> (Guenée)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 90	7/24/2011	L. Garrett, netting, Park exit, next to pond
<i>Sideridis maryx</i> (Guenée)		
Site 6	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Spaelotis clandestina</i> (Harris)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 12	7/16/2005	R.W. Hildreth, hand collected, in litter layer.
<i>Spiramater lutra</i> (Guenée)		
Site 3	7/17/2005	F. Genier, Hand collecting, on beach
Site 9	7/16/2005	J.F. Crow, at light, in coniferous forest
<i>Sympistis dentata</i> (Grote)		
Site 1	7/24/2011	C. Donahue, at light, Schoodic Shores apartments
Site 25	7/23/2011	K. Hutchins, mercury vapor light

*Sympistis perscripta* (Guenée)

Site 21 6/14/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Syngrapha abstrusa* Eichlin & Cunningham

Site 11 7/16/2005 R. Webster & M.-A. Giguere, beating, sweeping, salt marsh

*Syngrapha alias* (Ottolengui)

Site 1 7/23/2007 K. Hopkins, by hand

Site 25 7/23/2011 M. Marion, mercury vapor light

*Syngrapha cryptica* Eichlin & Cunningham

Site 1 7/23/2007 K. Hopkins, by hand

7/23/2011 W.S. Urquhart, light trap

7/23/2011 W.S. Urquhart, light trap

Site 22 7/23/2011 D.S. Chandler, black light

Site 25 7/24/2011 R.W. Hildreth, mercury vapor light

*Trichordestra legitima* (Grote)

Site 21 7/16/2005 Letsch & Letsch, dip net, on pond surface.

*Ulolonche modesta* (Morrison)

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights

*Xestia homogena* (McDunnough)

Site 7477 7/23/2011

*Xestia imperita* (Hübner)

Site 1 7/23/2011 M. Jones, at light

*Xestia oblata* (Morrison)

Site 1 7/16/2005 R.G. Dearborn et al., sweeping, brush beating, by hand, tennis court, lawn area

7/23/2011 B. Scholtens, by hand

**NOTODONTIDAE***Furcula modesta* (Hudson)

Site 1 7/23/2011 W.S. Urquhart, light trap

*Gluphisia septentrionis* Walker

Site 1 7/23/2011 W.S. Urquhart, light trap

*Heterocampa biundata* Walker

Site 1 7/16/2005 K. Hopkins, at light, at housing

7/23/2011 S. Caballero & L. Patterson, at light, at housing garage

7/23/2011 W.S. Urquhart, light trap

7/24/2011 A. Schmidt, at light

7/24/2011 C. Donahue, at light, Schoodic Shores apartments

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

Site 25 7/23/2011 K. Hutchins, mercury vapor light

*Heterocampa guttivitta* (Walker)

Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket

*Heterocampa umbrata* Walker

Site 7477 7/23/2011

*Lochmaeus manteo* Doubleday

Site 1 7/23/2011 J.A. Dane, at light, Moore Auditorium

7/23/2011 M. Jones, at light

*Nadata gibbosa* (J. E. Smith)

Site 1 6/12/2004 Maine Entomology Society Lep Blitz

7/23/2011 J.A. Dane, at light, Moore Auditorium

Site 22 7/23/2011 B. Scholtens, black light

*Notodonta scitipennis* Walker

Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house

*Oligocentria lignicolor* (Walker)

Site 1 7/23/2011 W.S. Urquhart, light trap

7/23/2011 W.S. Urquhart, light trap

7/24/2011 C. Donahue, at light, Schoodic Shores apartments

Site 25	7/23/2011	K. Hopkins, mercury vapor light
<i>Oligocentria semirufescens</i> (Walker)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 25	7/23/2011	K. Hopkins, mercury vapor light
<i>Peridea ferruginea</i> (Packard)		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	C. Teerling, by hand, buildings near light
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
7/24/2011	A. Schmidt, at light	
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
	7/23/2011	D.S. Chandler, black light
	7/23/2011	M. & I. Insigna, fluorescent light
Site 25	7/23/2011	M. Marion, mercury vapor light
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light
<i>Schizura badia</i> (Packard)		
Site 1	7/23/2011	B. Scholtens, by hand
	7/23/2011	B. Scholtens, by hand
<i>Schizura ipomoeae</i> Doubleday		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 25	7/23/2011	K. Hopkins, mercury vapor light
<i>Schizura unicornis</i> (J. E. Smith)		
Site 1	7/16/2005	E. Connery, hand collecting
	7/23/2011	C. Teerling, by hand, buildings near light
	7/23/2011	D. Bourque, by hand, on light
	7/23/2011	M.E. Mazurkiewicz, at light, Hancock Building parking area
	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
	7/24/2011	F. Gralenski, by hand, on wall of housing
	7/24/2011	L. King, aerial netting, Moore Auditorium
	7/24/2011	Maine Entomology Society Lep Blitz, uv light bucket
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, uv light bucket
Site 22	7/23/2011	M. & I. Insigna, fluorescent light
	7/23/2011	A. Schmidt, mercury vapor light
Site 25	7/23/2011	B. Kane, mercury vapor light
	7/23/2011	J.A. Dane, mercury vapor light
	7/23/2011	K. Hutchins, mercury vapor light
	7/23/2011	M. Jones, mercury vapor light
	7/23/2011	M. Jones, mercury vapor light
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
	7/24/2011	D.S. Chandler, uv light trap
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Symmerista albifrons</i> (J. E. Smith)		
Site 25	7/23/2011	J.A. Dane, mercury vapor light
<i>Symmerista</i> sp. 1		
Site 12	7/16/2005	K. Hopkins, mercury vapor light

**NYMPHALIDAE***Boloria selene* (Schifferrmüller)

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, netting

*Chlosyne harrisii* (Scudder)

Site 7477 6/12/2004

*Coenonympha tullia inornata* Edwards

Site 81 7/23/2011 R.W. Hildreth, netting, pond E of road triangle

Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
<i>Danaus plexippus</i> (Linnaeus)		
Site 7477	7/23/2011	sight record.
<i>Junonia coenia</i> Hübner		
Site 113	7/23/2011	D. Michaud & D. Bourque, sweeping
<i>Lethe anhedon</i> (A. H. Clark)		
Site 15	7/23/2011	F. & F. Gralenski, netting, grasses, ferns, conifers
Site 17	7/24/2011	M. Jones, netting, parking lot
Site 25	7/23/2011	M. Mann, netting, pond E of road triangle
Site 27	7/23/2011	W. Manski, netting, near pump house
	7/23/2011	W. Manski, netting, near pump house
Site 46	7/23/2011	C. Garrett, R. Sharp, G. Everett, netting
	7/24/2011	K. Hutchins, netting
Site 133	7/23/2011	D.S. Chandler, aerial netting, Bog
<i>Lethe eurydice</i> (Linnaeus)		
Site 5	7/23/2011	C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog
Site 31	7/23/2011	M. Jones, netting, lower third, rocky jack pine/scrub
	7/23/2011	M. Jones, netting, lower third, rocky jack pine/scrub
Site 81	7/23/2011	R.W. Hildreth, netting, pond E of road triangle
Site 133	7/23/2011	D. Hillary, netting, boggy area
<i>Limenitis archippus</i> (Cramer)		
Site 7477	7/23/2011	sight record
<i>Limenitis arthemis arthemis</i> (Drury)		
Site 3	7/24/2011	R. & R. Gobeil, netting, picnic area
Site 25	7/23/2011	M. Mann, netting, pond E of road triangle
Site 27	7/23/2011	W. Manski, netting, near pump house
Site 113	7/23/2011	D. Michaud & D. Bourque, sweeping
<i>Nymphalis antiopa</i> (Linnaeus)		
Site 115	7/23/2011	R. Rourk, by hand
<i>Phyciodes cocyta</i> (Cramer)		
Site 1	7/23/2011	K. Urquhart, Knox Cabin, in gravel
Site 1	7/23/2011	R. & R. Gobeil, aerial netting, Moore Auditorium parking area
Site 2	6/12/2004	Maine Entomology Society Lep Blitz, netting
Site 3	7/23/2011	M. Stern & R. King, netting, picnic area
Site 5	7/23/2011	C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog
Site 13	7/23/2011	Caballero, Chen, Patterson, Towle, sweeping, shrubs with juniper, blueberries, and stunted evergreens
Site 14	7/23/2011	M. Gross, by hand, alder and sumac
Site 20	7/24/2011	M. Jones, netting
Site 27	7/23/2011	W. Manski, netting, near pump house
Site 44	7/23/2011	R.W. Hildreth, netting, Schoodic Shores garden to entrance road
Site 46	7/23/2011	C. Garrett, R. Sharp, G. Everett, netting
Site 81	7/23/2011	R.W. Hildreth, netting, pond E of road triangle
Site 89	7/23/2011	K. Hull, netting, parking lot
Site 116	7/23/2011	R. Sharp, netting, shore line
<i>Polygonia interrogationis</i> (Fabricius)		
Site 3	7/23/2011	R. & R. Gobeil, netting, near picnic area entrance
<i>Speyeria atlantis</i> (Edwards)		
Site 2	7/23/2011	D. Michaud, D. Bourque & B. Woo, sweeping, netting
Site 3	7/23/2011	R. & R. Gobeil, netting, picnic area
<i>Speyeria cybele</i> (Fabricius)		
Site 27	7/23/2011	M. Marion, netting
<i>Vanessa atalanta</i> (Linnaeus)		
Site 14	6/13/2004	Maine Entomology Society Lep Blitz, by hand
<i>Vanessa cardui</i> (Linnaeus)		
Site 17	6/13/2004	Maine Entomology Society Lep Blitz, by hand

*Vanessa virginiensis* (Drury)

Site 1	7/23/2011	K. Petrie, sweeping, at SERC warehouse
Site 1	7/23/2011	R. & R. Gobeil, aerial netting, Moore Auditorium parking area
Site 83	7/24/2011	G. Everett, netting, beaver pond
Site 7477	6/12/2004	

**PAPILIONIDAE***Papilio canadensis* Rothschild & Jordan

Site 18	6/13/2004	Maine Entomology Society Lep Blitz, by hand
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**PIERIDAE***Colias eurytheme* Boisduval

Site 5	7/23/2011	C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog
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*Colias interior* Scudder

Site 1	7/23/2011	R. & R. Gobeil, aerial netting, ballfield
	7/24/2011	K. Hutchins, aerial netting, Sundew trail
Site 2	7/23/2011	R. & R. Gobeil, netting, near pump house
Site 3	7/24/2011	R. & R. Gobeil, netting, picnic area
Site 5	7/23/2011	C. Garrett, G. Everett, R. Sharp, L. Garrett, netting, bog
Site 7	7/23/2011	M. Mann, netting
Site 15	7/23/2011	F. & F. Gralenski, netting, grasses, ferns, conifers
Site 18	7/24/2011	W.S. Urquhart, netting, roadside
Site 20	7/24/2011	M. Jones, netting
Site 21	7/23/2011	F. & F. Gralenski, netting
Site 22	7/23/2011	L. Patterson, netting, on trail to beach
Site 25	7/23/2011	K. Hutchins, mercury vapor light
Site 27	7/23/2011	W. Manski, netting, near pump house
Site 31	7/23/2011	J. Rykken, netting, northern half
Site 34	7/24/2011	W.S. Urquhart, netting, Rosa rugosa along shore
Site 46	7/24/2011	K. Hutchins, netting
Site 101	7/24/2011	K. Urquhart, netting, low berry bushes with red berries in clusters
Site 113	7/23/2011	D. Michaud & D. Bourque, sweeping
Site 116	7/23/2011	R. Sharp, netting, shore line

*Colias philodice* Godart

Site 1	6/12/2004	Maine Entomology Society Lep Blitz, netting, along road
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*Pieris rapae* (Linnaeus)

Site 9	6/12/2004	Maine Entomology Society Lep Blitz, netting
Site 38	7/24/2011	R. & R. Gobeil, netting, small meadow at park entrance

**PLUTELLIDAE***Plutella xylostella* (Linnaeus)

Site 1	7/23/2011	W.S. Urquhart, light trap., B. Scholtens, at light
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**PSYCHIDAE***Psyche casta* (Pallas)

Site 1	7/23/2011	W.S. Urquhart, light trap
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*Taleporia walshella* (Clemens)

Site 7477	6/12/2004	
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**PTEROPHORIDAE***Emmeline monodactyla* (Linnaeus)

Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	W.S. Urquhart, light trap
Site 25	7/24/2011	R.W. Hildreth, mercury vapor light

*Geina* sp. 1

Site 13	7/23/2011	Caballero, Chen, Patterson, Towle, sweeping, shrubs with juniper, blueberries, and stunted evergreens
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Site 81	7/23/2011	R.W. Hildreth, netting, pond E of road triangle
Site 134	7/24/2011	J. Insinga, sweeping
<i>Hellinsia</i> sp. 1		
Site 1	7/23/2011	B. Scholtens, by hand
Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
<i>Hellinsia</i> sp. 2		
Site 22	7/23/2011	A. Insinga, black light
Site 22	7/23/2011	M. & I. Insigna, fluorescent light
Site 81	7/23/2011	D. Lievens & J. Osgood, netting, brackish pond .
<i>Hellinsia</i> sp. 3		
Site 1	7/23/2011	B. Scholtens, by hand
<i>Pterophoridae</i> sp. 1		
Site 22	7/23/2011	A. Insinga, black light

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**PYRALIDAE**


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*Acrobasis comptoniella* Hulst

Site 1	7/23/2011	B. Scholtens, by hand
Site 22	7/23/2011	B. Scholtens, black light
Site 7477	6/12/2004	

*Acrobasis rubrifasciella* Packard

Site 90	7/24/2011	K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
Site 133	7/24/2011	D.S. Chandler, uv light trap

*Acrobasis tricolorella* Grote

Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
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*Acrobasis vaccinii* Riley

Site 1	7/23/2011	B. Scholtens, by hand
Site 1	7/23/2011	W.S. Urquhart, light trap

*Aphomia sociella* (Linnaeus)

Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
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*Condylolomia participalis* Grote

Site 1	7/23/2011	W.S. Urquhart, light trap
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*Dioryctria disclusa* Heinrich

Site 1	7/23/2011	W.S. Urquhart, light trap
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*Dolichomia olinalis* (Gn.)

Site 1	7/23/2011	W.S. Urquhart, light trap
Site 125	7/23/2011	D. Lievens, netting, <i>Sphagnum</i> bog

*Eulogia ochrifrontella* (Zeller)

Site 1	7/23/2011	I. Gross, by hand, Schoodic Shores apartments
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 2	7/24/2011	K. Sweeney & N. Marceau, light trap, at pump house
Site 22	7/23/2011	A. Insinga, black & fluorescent lights
Site 133	7/24/2011	D.S. Chandler, uv light trap
Site 22	7/23/2011	M. & I. Insigna, fluorescent light

*Glyptocera consobrinella* (Zeller)

Site 1	7/23/2011	B. Scholtens, by hand
Site 1	7/23/2011	W.S. Urquhart, light trap

*Homoeosoma* sp. 1

Site 1	7/23/2011	W.S. Urquhart, light trap
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*Myelopsis subtetricella* (Ragonot)

Site 7477	6/12/2004	
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*Oneida lunulalis* (Hulst)

Site 1	7/23/2011	B. Scholtens, by hand
	7/24/2011	C. Donahue, at light, Schoodic Shores apartments



<i>Oreana unicolorella</i> (Hulst)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Ortholepis pasadamia</i> (Dyar)		
Site 1	7/23/2011	W.S. Urquhart, light trap
<i>Peoria approximella</i> (Walker)		
Site 1	7/23/2011	W.S. Urquhart, light trap
Site 22	7/23/2011	B. Scholtens, black light
<i>Phycitodes reliquella</i> (Dyar)		
Site 1	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	N. Melero, at light, lamppost near SEA office
<i>Pococera asperatella</i> (Clemens)		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	W.S. Urquhart, light trap
<i>Pococera melanogrammos</i> (Zeller)		
Site 1	7/23/2011	B. Scholtens, by hand
<i>Pyla fusca</i> (Haworth)		
Site 1	7/23/2011	B. Scholtens, at light, Schoodic Shores apartments
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	A. Schmidt, at light
Site 22	7/23/2011	D.S. Chandler, black light
Site 133	7/24/2011	D.S. Chandler, uv light trap
<i>Salebriaria engeli</i> (Dyar)		
Site 1	7/23/2011	B. Scholtens, by hand
<i>Salebriaria roseopunctella</i> Neunzig		
Site 1	7/23/2011	B. Scholtens, by hand
<i>Tulsa finitella</i> (Walker)		
Site 7477	6/12/2004	

**SATURNIIDAE**

<i>Actias luna</i> (Linnaeus)		
Site 9	6/12/2004	Maine Entomology Society Lep Blitz, uv & mercury vapor lights
<i>Antheraea polyphemus</i> (Clemens)		
Site 1	7/23/2011	M.E. Mazurkiewicz, at light, Hancock Building parking area
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	M. Jones, aerial netting, on wheel of car
Site 21	6/14/2004	Maine Entomology Society Lep Blitz, uv light bucket
<i>Dryocampa rubicunda</i> (Fabricius)		
Site 1	7/23/2011	W.S. Urquhart, light trap
	7/23/2011	W.S. Urquhart, light trap
	7/24/2011	F. Gralenski, by hand, on wall of housing
Site 22	7/23/2011	D.S. Chandler, black light
Site 25	7/23/2011	K. Hutchins, mercury vapor light
	7/24/2011	R.W. Hildreth, mercury vapor light
Site 7477	6/12/2004	
<i>Hyalophora columbia</i> (S. I. Smith)		
Site 7477	6/12/2004	

**SESIIDAE**

<i>Synanthedon acerni</i> (Clemens)		
Site 25	7/23/2011	K. Hutchins, mercury vapor light
	7/23/2011	M. Jones, mercury vapor light

**SPHINGIDAE**

<i>Ceratonia undulosa</i> (Walker)		
Site 1	7/24/2011	A. Schmidt, at light
	7/24/2011	K. Sweeny, black light, Rockefeller Building

*Darapsa choerilus* (Cramer)

Site 133 7/24/2011 D.S. Chandler, uv light trap

*Hemaris thysbe* (Fabricius)

Site 2 6/12/2004 Maine Entomology Society Lep Blitz, netting

Site 14 6/12/2004 Maine Entomology Society Lep Blitz, netting

*Paonias excaecatus* (J. E. Smith)

Site 1 6/12/2004 Maine Entomology Society Lep Blitz

7/23/2011 W.S. Urquhart, light trap

Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

*Paonias myops* (J. E. Smith)

Site 7477 6/12/2004

*Sphinx kalmiae* J. E. Smith

Site 1 7/23/2011 W.S. Urquhart, light trap

*Sphinx poecila* Stephens

Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights

**TINEIDAE***Monopis dorsistrigella* (Clemens)

Site 1 7/23/2011 W.S. Urquhart, light trap, B. Scholtens, at light

*Monopis monachella* (Hübner)

Site 1 7/23/2011 B. Scholtens, by hand

*Tineidae* sp. 1

Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

**TORTRICIDAE***Acleris curvalana* (Kearfott)

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 6 7/23/2011 S. Gross, by hand, fir tree

Site 22 7/23/2011 B. Scholtens, black light

*Aethes* sp. 1

Site 81 7/23/2011 D. Lievens & J. Osgood, netting, brackish pond .

*Aethes* sp. 2

Site 1 7/24/2011 C. Donahue, at light, Schoodic Shores apartments

*Aethes* sp. 3

Site 1 7/23/2011 B. Scholtens, by hand

7/23/2011 I. Gross, by hand, Schoodic Shores apartments

Site 22 7/23/2011 M. & I. Insigna, fluorescent light

*Ancylis carbonana* (Heinrich)

Site 7 6/12/2004 Maine Entomology Society Lep Blitz, netting

*Ancylis mediofasciana* (Clemens)

Site 19 6/13/2004 Maine Entomology Society Lep Blitz, by hand

*Apotomis alboana* (Zeller)

Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap

*Apotomis capreana* (Hübner)

Site 1 7/23/2011 W.S. Urquhart, light trap

Site 115 7/23/2011 N. Marceau, sweeping

*Apotomis removana* (Kearfott)

Site 1 7/23/2011 B. Scholtens, by hand

7/23/2011 B. Scholtens, at light, Schoodic Shores apartments

7/23/2011 W.S. Urquhart, light trap

7/24/2011 D. Lievens, on lights

*Archips cerasivorana* (Fitch)

Site 133 7/24/2011 D.S. Chandler, uv light trap

- Argyrotaenia* n.sp. nr. *occultana* (Freeman) and *repertana* Freeman  
 Site 7477 6/12/2004
- Argyrotaenia occultana* (Freeman)  
 Site 6 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket  
 Site 10 6/12/2004 Maine Entomology Society Lep Blitz, uv light bucket  
 Site 13 6/12/2004 Maine Entomology Society Lep Blitz, mercury vapor light
- Argyrotaenia pinitubana* (Meyrick)  
 Site 12 6/12/2004 Maine Entomology Society Lep Blitz, mercury vapor light
- Celypha cespitana* (Hübner)  
 Site 125 7/23/2011 D. Lievens, netting, *Sphagnum* bog
- Choristoneura conflictana* (Walker)  
 Site 7477 7/23/2011
- Choristoneura pinus* Freeman  
 Site 7477 7/23/2011
- Choristoneura rosaceana* (Harris)  
 Site 1 7/23/2011 B. Scholtens, by hand  
 7/24/2011 N. Melero, at light, lamppost near SEA office  
 Site 22 7/23/2011 D.S. Chandler, black light  
 Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
- Clepsis peritana* (Clemens)  
 Site 1 7/23/2011 W.S. Urquhart, light trap
- Clepsis persicana* (Fitch)  
 Site 1 7/23/2011 W.S. Urquhart, light trap
- Cochylis aurorana* (Kearfott)  
 Site 1 7/23/2011 B. Scholtens, at light
- Cydia latiferreana* (Walsingham)  
 Site 1 7/23/2011 B. Scholtens, at light, Schoodic Shores apartments  
 7/23/2011 M. Jones, at light
- Dichrorampha bittana* (Busck)  
 Site 1 7/23/2011 B. Scholtens, at light
- Dichrorampha* n.sp. nr. *sedatana* (Busck)  
 Site 7477 6/12/2004
- Dichrorampha sedatana* (Busck)  
 Site 1 6/12/2004 Maine Entomology Society Lep Blitz, netting, along road
- Epilema brightonana* (Kearfott)  
 Site 22 7/23/2011 M. & I. Insigna, fluorescent light
- Epinotia rectiplicana* (Walsingham)  
 Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights
- Epinotia transmissana* (Walker)  
 Site 133 7/24/2011 D. S. Chandler, uv light trap
- Eucosma derelecta* Heinrich  
 Site 1 7/23/2011 W.S. Urquhart, light trap  
 7/24/2011 C. Donahue, by hand, bioblitz lab  
 Site 13 7/23/2011 A. Gazica, sweeping, shrubby rocks  
 Site 22 7/23/2011 A. Insigna, black & fluorescent lights
- Eucosma gloriola* Heinrich  
 Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights
- Eucosma tocullionana* Heinrich  
 Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights
- Gymnandrosoma punctidiscana* Dyar  
 Site 1 7/23/2011 B. Scholtens, by hand  
 7/24/2011 C. Donahue, at light, Schoodic Shores apartments
- Gypsonoma adjuncta* Heinrich  
 Site 1 7/23/2011 W.S. Urquhart, light trap

- Hulda impudens* (Walsingham)  
Site 1 7/23/2011 B. Scholtens, at light
- Olethreutes albiciliana* (Fernald)  
Site 1 7/23/2011 W.S. Urquhart, light trap
- Olethreutes olivaceana* (Fernald)  
Site 1 7/23/2011 B. Scholtens, at light
- Olethreutes trinitana* (McDunnough)  
Site 1 7/23/2011 W.S. Urquhart, light trap
- Olethreutes valdanum* (McDunnough)  
Site 133 7/24/2011 D.S. Chandler, uv light trap
- Olethreutes viburnanum* (McDunnough)  
Site 1 7/23/2011 B. Scholtens, by hand  
Site 2 7/24/2011 K. Sweeney & N. Marceau, light trap, at pump house  
Site 87 7/23/2011 J. Insinga, sweeping
- Pandemis limitata* (Robinson)  
Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road
- Phaneta formosana* (Clemens)  
Site 1 6/12/2004 Maine Entomology Society Lep Blitz
- Phaneta marmontana* (Kearfott)  
Site 133 7/24/2011 D. S. Chandler, uv light trap
- Phaneta parmatana* (Clemens)  
Site 1 7/23/2011 W.S. Urquhart, light trap
- Phtheochroa* sp. 1  
Site 1 7/23/2011 S. Caballero & L. Patterson, at light, at housing garage.
- Pseudexentera kalmiana* McDunnough  
Site 7 6/12/2004 Maine Entomology Society Lep Blitz, netting  
Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights
- Rhopobota finitimana* (Heinrich)  
Site 7 6/12/2004 Maine Entomology Society Lep Blitz, netting
- Sparganothis* sp. 1  
Site 81 7/23/2011 D. Lievens & J. Osgood, netting, brackish pond  
7/23/2011 R.W. Hildreth, netting, pond E of road triangle  
Site 125 7/23/2011 D. Lievens, netting, *Sphagnum* bog
- Sparganothis* sp. 2  
Site 22 7/23/2011 D.S. Chandler, black light
- Sparganothis xanthoides* (Walker)  
Site 1 7/23/2011 W.S. Urquhart, light trap
- Spilonota ocellana* (Denis & Schiffermüller)  
Site 1 7/23/2011 B. Scholtens, by hand  
Site 22 7/23/2011 A. Insinga, black & fluorescent lights  
7/23/2011 B. Scholtens, black light
- Syndemis afflictana* (Walker)  
Site 9 6/12/2004 Maine Entomology Society Lep Blitz, uv & mercury vapor lights
- Taniva albolineana* (Kearfott)  
Site 1 7/23/2011 W.S. Urquhart, light trap  
Site 90 7/24/2011 K. Sweeney & N. Marceau, light trap, park entrance, on pumphouse road

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#### YPONOMEUTIDAE

- Argyresthia belangerella* Chambers  
Site 7477 6/12/2004
- Argyresthia calliphanes* Meyrick  
Site 1 7/23/2011 W.S. Urquhart, light trap
- Argyresthia oreasella* Clemens  
Site 1 7/23/2011 W.S. Urquhart, light trap

*Argyresthia* sp. 1

Site 22 7/23/2011 M. &amp; I. Insinga, fluorescent light

**YPSOLOPHIDAE***Ypsolopha dentella* (Fabricius)

Site 90 7/24/2011 K. Sweeney &amp; N. Marceau, light trap, park entrance, on pumphouse road

**Order Hymenoptera—the wasps, ants, and bees****Suborder Apocrita, section “Parasitica”****BRACONIDAE**

## Genus? spp.

Site 22 7/31/2010 D.S. Chandler, sweeping, along road

Site 20 7/31/2010 A. Webber, sweeping

7/31/2010 D. Michaud, sweeping

Site 22 7/31/2010 D.S. Chandler, sweeping, along road

7/31/2010 D.S. Chandler, sweeping

Site 22 8/1/2010 D.S. Chandler, yellow pan trap, forest along stream

Site 26 8/1/2010 D.S. Chandler, yellow pan trap, meadow along stream

Site 34 7/31/2010 D.S. Chandler, sweeping, rocky outcrops around hanging bog

Site 38 7/31/2010 R.E. Nelson, beating *Alnus*

Site 39 7/31/2010 K. Bernard, berlese, litter from forest edge

Site 139 7/31/2010 J. Insinga, sweeping, roadside vegetation

Site 141 7/31/2010 R.E. Nelson, sweeping brush

Site 7477 8/1/2010 Bioblitz participants

*Microgastrinae* sp.

Site 26 8/1/2010 D.S. Chandler, yellow pan trap, meadow along stream

**CERAPHRONIDAE**

## Genus? sp.

Site 26 8/1/2010 D.S. Chandler, yellow pan trap, meadow along stream

**CHALCIDIDAE***Conura* sp.

Site 34 7/31/2010 D.S. Chandler, sweeping, rocky outcrops around hanging bog

Site 7456 8/1/2010 S. Droege, pan trap

*Pireninae* sp.

Site 22 7/31/2010 D.S. Chandler, sweeping

**DIPRIONIDAE**

## Genus? sp.

Site 22 7/31/2010 D.S. Chandler, sweeping

Site 7477 8/1/2010 Bioblitz participants

**ENCYRTIDAE**

## Genus? spp.

Site 22 7/31/2010 D.S. Chandler, sweeping, along road

Site 22 7/31/2010 D.S. Chandler, sweeping

Site 26 8/1/2010 D.S. Chandler, yellow pan trap, meadow along stream

Site 34 7/31/2010 D.S. Chandler, sweeping, rocky outcrops around hanging bog

Site 7477 8/1/2010

**EUCHARITIDAE***Pseudometagea* sp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
Site 25	7/31/2010	F. Drummond, sweeping, conifer/deciduous area
Site 7474	8/1/2010	S. Droege, pan trap

**EULOPHIDAE**

## Entedoninae spp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
	7/31/2010	D.S. Chandler, sweeping
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog

## Entiinae spp.

Site 22	7/31/2010	D.S. Chandler, sweeping
Site 25	7/31/2010	E. Groden, sweeping, mixed deciduous forest, <i>Spirea</i> , aster, goldenrod
Site 38	7/31/2010	R.E. Nelson, beating <i>Alnus</i> .

## Eulophinae sp.

Site 22	7/31/2010	D.S. Chandler, sweeping
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog

## Tetrastichinae spp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
Site 25	8/1/2010	D.S. Chandler, sweep vegetation on pile of sand
Site 26	8/1/2010	D.S. Chandler, yellow pan trap, meadow along stream
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog

**EUELMIDAE**

## Eupelminae sp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
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## Eupelmidae sp.

Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
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**EURYTOMIDAE***Sycophila* sp.

Site 7477	8/1/2010	Bioblitz participants
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*Tetramesa* sp.

Site 7477	8/1/2010	Bioblitz participants
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**ICHNEUMONIDAE**

## Genus? spp.

Site 1	7/31/2010	D. Michaud, by hand
	7/31/2010	J. Insinga, by hand, light bulb outside cabin
	7/31/2010	S. Bushman, by hand, window inside Dorr Hall
	8/1/2010	W.S. Urquhart, malaise trap, near housing
Site 6	8/1/2010	D.S. Chandler, yellow pan trap
Site 9	8/1/2010	A. Alyokhin, sweeping, vegetation
Site 12	7/31/2010	C. Teerling, sweeping, <i>Spirea</i>
Site 13	7/31/2010	A. Dibble, sweeping
	7/31/2010	S. Bushman, sweeping
Site 17	8/1/2010	M.E. Mazurkiewicz, sweeping
Site 20	7/31/2010	A. Webber, sweeping
	7/31/2010	D. Michaud, sweeping
	7/31/2010	M. Marion, sweeping
Site 22	7/31/2010	D.S. Chandler, sweeping, along road
	7/31/2010	D.S. Chandler, sweeping
	8/1/2010	D.S. Chandler, yellow pan trap, forest along stream
Site 25	7/31/2010	D.S. Chandler, sweeping, meadow, brushy area

Site 26	8/1/2010	D.S. Chandler, yellow pan trap, meadow along stream
Site 27	7/31/2010	J. Lund, aspirator, on ground in middle of path
	8/1/2010	B. Choate, malaise trap, conifer/spruce area
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
	7/31/2010	S. Berger, aspirator, under log on moss covered rock
Site 37	7/31/2010	M. Marion, sweeping, along road
Site 38	7/31/2010	R.E. Nelson, beating <i>Alnus</i>
Site 46	7/31/2010	A. Alyokhin, sweeping
Site 47	8/1/2010	D.S. Chandler, yellow pan trap, bog
Site 140	7/31/2010	R.E. Nelson, sweeping
Site 141	7/31/2010	R.E. Nelson, sweeping brush
Site 148	7/31/2010	B. Loncosky, sweeping, spruce
Site 7455	8/1/2010	S. Droege, pan trap
Site 7463	8/1/2010	S. Droege, pan trap
Site 7464	8/1/2010	S. Droege, pan trap
Site 7466	8/1/2010	S. Droege, pan trap
Site 7467	8/1/2010	S. Droege, pan trap
Site 7468	8/1/2010	S. Droege, pan trap
Site 7470	8/1/2010	S. Droege, pan trap
Site 7471	8/1/2010	S. Droege, pan trap
Site 7477	8/1/2010	Bioblitz participants

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**PTEROMALIDAE**


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*Asaphes* sp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
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*Halticoptera* sp.

Site 22	7/31/2010	D.S. Chandler, sweeping
Site 25	8/1/2010	D.S. Chandler, sweep vegetation on pile of sand.

## Peteromalinae spp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
Site 22	7/31/2010	D.S. Chandler, sweeping
Site 25	8/1/2010	D.S. Chandler, sweep vegetation on pile of sand
Site 26	8/1/2010	D.S. Chandler, yellow pan trap, meadow along stream
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 38	7/31/2010	R.E. Nelson, beating <i>Alnus</i>
Site 7477	8/1/2010	Bioblitz participants

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**TORYMIDAE**

## Genus? spp.

Site 22	7/31/2010	D.S. Chandler, sweeping, along road
Site 22	7/31/2010	D.S. Chandler, sweeping
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog

## Suborder Apocrita—the stinging wasps, bees, and ants

### FORMICIDAE—the ants

Frank Drummond, Aaron Ellison, Ellie Groden, and Gary Ouellette,  
University of Maine, Orono, ME; Harvard Forest, Harvard, MA.

Thirty-one species were found during the ecological study during the bioblitz, with two other species since determined (*Formica exsectoides* and *Lasius interjectus*). An additional 11 morphospecies placed to genus are included that were initially sorted but not subsequently examined, and are almost certainly representatives of the species named here.

#### *Camponotus herculeanus* (Linnaeus)

Site 1	8/1/2010	F. Drummond & E. Groden
Site 3	8/1/2010	F. Drummond & E. Groden, picnic area, roadside
Site 6	8/1/2010	F. Drummond & E. Groden
Site 8	7/31/2010	A. Rodman, by hand, forest
Site 11	8/1/2010	F. Drummond & E. Groden, on beachside—base and inside spruce tree
Site 12	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 17	8/1/2010	F. Drummond & E. Groden
Site 34	8/1/2010	F. Drummond & E. Groden, in patch of moss-coniferous
Site 44	8/1/2010	F. Drummond & E. Groden, boulder back beach
Site 47	8/1/2010	F. Drummond & E. Groden
Site 48	8/1/2010	F. Drummond & E. Groden
Site 79	7/31/2010	J. Lund, aspirator, open ground
Site 80	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 83	8/1/2010	F. Drummond & E. Groden, coastal shoreline
Site 98	8/1/2010	F. Drummond & E. Groden
Site 103	8/1/2010	G. Mittelhauser
Site 122	8/1/2010	F. Drummond & E. Groden
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
Site 126	8/1/2010	F. Drummond & E. Groden
Site 147	8/1/2010	F. Drummond & E. Groden, forest
Site 7477	8/1/2010	C. Gibbs, Cassie 1, Pit 6, mossy, conifer
	8/1/2010	F. Drummond & E. Groden
	8/1/2010	F. Drummond & E. Groden, opposite spruce point.

#### *Camponotus novaeboracensis* (Fitch)

Site 1	8/1/2010	F. Drummond & E. Groden, picnic area near Sundew Trail
	8/1/2010	F. Drummond & E. Groden, lawn clippings beneath white spruce at margin of fresh water marsh
	8/1/2010	F. Drummond & E. Groden
Site 2	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 6	8/1/2010	F. Drummond & E. Groden, near top right off trail
	8/1/2010	F. Drummond & E. Groden
Site 16	8/1/2010	F. Drummond & E. Groden
Site 20	7/31/2010	A. Webber, sweeping
Site 36	8/1/2010	J. Rykken, aspirator
Site 44	8/1/2010	F. Drummond & E. Groden, boulder back beach
Site 45	8/1/2010	F. Drummond & E. Groden, SW shore, boulder beach, on dead conifer



Site 73	8/1/2010	F. Drummond & E. Groden
Site 74	8/1/2010	F. Drummond & E. Groden
Site 105	8/1/2010	F. Drummond & E. Groden
Site 118	8/1/2010	F. Drummond & E. Groden, freshwater wetland, roadside
Site 122	8/1/2010	F. Drummond & E. Groden
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
Site 126	8/1/2010	F. Drummond & E. Groden
Site 133	8/1/2010	F. Drummond & E. Groden, freshwater wetland, scrub/shrub
Site 7477	8/1/2010	F. Drummond & E. Groden, Pit 16
	8/1/2010	F. Drummond & E. Groden, opposite spruce point
Site 1	7/31/2010	T. Vilgilio, by hand, Schoodic Shores, parking area
Site 27	7/31/2010	J. Lund, aspirator, on ground in middle of path
Site 39	7/31/2010	K. Bernard, berlese, litter from forest edge
<i>Camponotus pennsylvanicus</i> (DeGeer)		
Site 9	8/1/2010	F. Drummond & E. Groden, gravel road
Site 25	7/31/2010	E. Groden, aspirator, alders, under birch log
Site 28	7/31/2010	S. Berger, aspirator, ant hills in blueberries on marsh/road edge
Site 36	8/1/2010	J. Rykken, aspirator
Site 122	8/1/2010	F. Drummond & E. Groden.
<i>Camponotus</i> sp.		
Site 25	7/31/2010	E. Groden, aspirator, alders, under birch log
Site 34	7/31/2010	D. Lubertazzi, berlese, coniferous forest litter
Site 36	8/1/2010	J. Rykken, aspirator
<i>Crematogaster cerasi</i> Fitch		
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrop, on vegetation, and on or under rocks
Site 87	7/31/2010	J. Lund, aspirator, rocky outcrop, blueberry scrub
Site 131	8/1/2010	F. Drummond & E. Groden
Site 149	8/1/2010	F. Drummond & E. Groden.
<i>Dolichoderus plagiatus</i> (Mayr)		
Site 6	7/31/2010	M. Albert, by hand
	8/1/2010	F. Drummond & E. Groden, near top right off trail
Site 7	8/1/2010	F. Drummond & E. Groden
Site 20	7/31/2010	D. Michaud, sweeping
Site 34	7/31/2010	S. Berger, aspirator, on sunny rocks
Site 34	8/1/2010	F. Drummond & E. Groden, roadside, on sunny rocks
Site 110	8/1/2010	F. Drummond & E. Groden
Site 116	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
Site 139	8/1/2010	F. Drummond & E. Groden.
<i>Dolichoderus pustulatus</i> Mayr		
Site 5	7/31/2010	S. Cover, litter sample-berlese, roadside bog
Site 149	8/1/2010	F. Drummond & E. Groden
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrop, on vegetation, and on or under rocks
<i>Dolichoderus</i> sp.		
Site 25	7/31/2010	E. Groden, sweeping, mixed deciduous forest, <i>Spiraea</i> , aster, goldenrod.
<i>Dolichoderus taschenbergi</i> (Mayr)		
Site 72	8/1/2010	F. Drummond & E. Groden
Site 81	8/1/2010	F. Drummond & E. Groden, coastal shoreline, pond shoreline
Site 134	8/1/2010	F. Drummond & E. Groden
Site 135	8/1/2010	F. Drummond & E. Groden
<i>Formica aserva</i> Forel		
Site 1	8/1/2010	F. Drummond & E. Groden, lawn clippings beneath white spruce at margin of freshwater marsh

Site 5	7/31/2010	S. Cover, litter sample-berlese, roadside bog
Site 14	8/1/2010	F. Drummond & E. Groden, E bait trail
Site 15	8/1/2010	F. Drummond & E. Groden
Site 16	8/1/2010	F. Drummond & E. Groden
Site 21	7/31/2010	E. Groden, aspirator, spruce fir forest, nest under damaged birch log
Site 25	7/31/2010	F. Drummond, by hand, conifer/deciduous forest, and grassy glade
Site 39	7/31/2010	K. Bernard, berlese, litter from forest edge
Site 43	8/1/2010	F. Drummond & E. Groden, open headland, roadside
Site 46	8/1/2010	F. Drummond & E. Groden, partly sunny along shore edge Pond with birches along sundew trail
Site 75	8/1/2010	F. Drummond & E. Groden, pit 10
Site 83	7/31/2010	F. Drummond, by hand, spruce forest
Site 110	8/1/2010	F. Drummond & E. Groden
Site 113	8/1/2010	F. Drummond & E. Groden, open headland, roadside
Site 117	8/1/2010	F. Drummond & E. Groden, scrub/shrub, freshwater wetland, old field succession
Site 118	8/1/2010	F. Drummond & E. Groden, Pit 4, grassy
Site 122	8/1/2010	F. Drummond & E. Groden
Site 128	8/1/2010	F. Drummond & E. Groden, scrub/shrub, roadside
Site 147	8/1/2010	F. Drummond & E. Groden
Site 149	8/1/2010	F. Drummond & E. Groden
Site 7453	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	F. Drummond & E. Groden, #19, coastal
	8/1/2010	F. Drummond & E. Groden, blueberry and Juniper # 17
	8/1/2010	F. Drummond & E. Groden, opposite spruce point, coastal shrub, #25

*Formica exsectoides* Forel

Site 83	7/31/2010	F. Drummond, by hand, spruce forest
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*Formica fusca* group

Site 1	8/1/2010	F. Drummond & E. Groden, edge of spruce forest
	8/1/2010	F. Drummond & E. Groden, picnic area near Sundew Trail
	8/1/2010	F. Drummond & E. Groden, lawn clippings beneath white spruce at margin of freshwater marsh
Site 2	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 3	8/1/2010	F. Drummond & E. Groden, picnic area, roadside
Site 5	8/1/2010	F. Drummond & E. Groden, coniferous forest, riparian
Site 7	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 9	8/1/2010	F. Drummond & E. Groden, vegetation along road
Site 9	8/1/2010	F. Drummond & E. Groden, gravel road
Site 10	8/1/2010	F. Drummond & E. Groden, heath/bog
Site 11	8/1/2010	F. Drummond & E. Groden, on beachside—base and inside spruce tree
Site 12	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 13	8/1/2010	F. Drummond & E. Groden, coastal shoreline, open headland, roadside
Site 16	8/1/2010	F. Drummond & E. Groden, rocky outcrop above #10.
	8/1/2010	F. Drummond & E. Groden, edge of wetland in blueberry patch.
	8/1/2010	F. Drummond & E. Groden, edge of wetland near road
	8/1/2010	F. Drummond & E. Groden, edge of wetland
	8/1/2010	F. Drummond & E. Groden, upland in spruce forest adjacent to wetland
	8/1/2010	F. Drummond & E. Groden, at wetland edge in lowbush blueberry patch
	8/1/2010	F. Drummond & E. Groden, upland spruce forest next to wetland
	8/1/2010	F. Drummond & E. Groden, roadside sand pile, nests—decaying stump, between W pond cove and the triangle

Site 17	8/1/2010	F. Drummond & E. Groden
	8/1/2010	F. Drummond & E. Groden, on <i>Spirea</i>
Site 18	8/1/2010	F. Drummond & E. Groden, coniferous forest, open headland, roadside
	8/1/2010	F. Drummond & E. Groden, rock outcrop
Site 21	8/1/2010	F. Drummond & E. Groden, pitfall trap 27
	7/31/2010	E. Groden, aspirator, spruce fir forest, nest under damaged birch log
Site 23	8/1/2010	C. Donahue, pitfall trap
Site 25	8/1/2010	F. Drummond & E. Groden
Site 27	8/1/2010	C. Donahue, near estuary in forest
Site 30	8/1/2010	F. Drummond & E. Groden
Site 34	8/1/2010	F. Drummond & E. Groden, roadside, on sunny rocks
	8/1/2010	F. Drummond & E. Groden, roadside, on sunny rocks
	8/1/2010	F. Drummond & E. Groden, coastal #15
Site 45	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
	8/1/2010	F. Drummond & E. Groden, SW shore, boulder beach, on dead conifer
Site 47	8/1/2010	F. Drummond & E. Groden
Site 66	8/1/2010	F. Drummond & E. Groden
Site 73	8/1/2010	F. Drummond & E. Groden, bog
Site 74	8/1/2010	F. Drummond & E. Groden
Site 75	8/1/2010	F. Drummond & E. Groden, Pit 10
Site 76	8/1/2010	F. Drummond & E. Groden
Site 78	8/1/2010	F. Drummond & E. Groden
Site 79	8/1/2010	F. Drummond & E. Groden, coastal shoreline, open headland, roadside
Site 80	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 81	8/1/2010	F. Drummond & E. Groden, cobble beach
	8/1/2010	F. Drummond & E. Groden, coastal shoreline, pond shoreline
Site 83	8/1/2010	F. Drummond & E. Groden, coastal shoreline
Site 86	8/1/2010	F. Drummond & E. Groden
Site 93	8/1/2010	F. Drummond & E. Groden, wetland
	8/1/2010	F. Drummond & E. Groden, grassy wetland, #13
Site 101	8/1/2010	F. Drummond & E. Groden
Site 103	8/1/2010	G. Mittelhauser
Site 106	8/1/2010	F. Drummond & E. Groden
Site 108	8/1/2010	F. Drummond & E. Groden
Site 110	8/1/2010	F. Drummond & E. Groden
Site 113	8/1/2010	F. Drummond & E. Groden, open headland, roadside
Site 122	8/1/2010	F. Drummond & E. Groden
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
	8/1/2010	F. Drummond & E. Groden, pitfall #8 moss conifer
Site 126	8/1/2010	F. Drummond & E. Groden
Site 128	8/1/2010	F. Drummond & E. Groden, scrub/shrub, roadside
	8/1/2010	F. Drummond & E. Groden, malaise trap #1
Site 131	8/1/2010	F. Drummond & E. Groden
Site 133	8/1/2010	F. Drummond & E. Groden, freshwater wetland, scrub/shrub
Site 134	8/1/2010	F. Drummond & E. Groden
Site 136	8/1/2010	F. Drummond & E. Groden
Site 140	8/1/2010	F. Drummond & E. Groden
Site 141	8/1/2010	F. Drummond & E. Groden
Site 147	8/1/2010	F. Drummond & E. Groden, forest
Site 149	8/1/2010	F. Drummond & E. Groden
Site 155	8/1/2010	F. Drummond & E. Groden

Site 7452	8/1/2010	F. Drummond & E. Groden
Site 7453	8/1/2010	F. Drummond & E. Groden
Site 7457	8/1/2010	F. Drummond & E. Groden
Site 7468	8/1/2010	F. Drummond & E. Groden, open side of road
	8/1/2010	F. Drummond & E. Groden, across street from ocean, open roadside
	8/1/2010	F. Drummond & E. Groden, #11, scrub
Site 7476	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	C. Donahue, char 2, tall grass, pitfall #1
	8/1/2010	C. Gibbs, Cassie 1, gravel
	8/1/2010	C. Gibbs, Cassie 1, wetland #5
	8/1/2010	F. Drummond & E. Groden, on bushes, by shore, among rocks, juniper, spruce, brush and roses
	8/1/2010	F. Drummond & E. Groden, Beach side (collected on plant) Whole plant/branch ants tending on aphids
	8/1/2010	F. Drummond & E. Groden, ocean side, rocky outcrop, on shrub
	8/1/2010	F. Drummond & E. Groden, pit 16
	8/1/2010	F. Drummond & E. Groden, #19, coastal
	8/1/2010	F. Drummond & E. Groden, sand, #18-a
	8/1/2010	F. Drummond & E. Groden, grassy, no trees #12
	8/1/2010	F. Drummond & E. Groden, opposite spruce point
<i>Formica integra</i> Nylander		
Site 3	8/1/2010	F. Drummond & E. Groden, picnic area, roadside
Site 12	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 101	8/1/2010	F. Drummond & E. Groden
Site 110	8/1/2010	F. Drummond & E. Groden
Site 116	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
Site 131	8/1/2010	F. Drummond & E. Groden
Site 134	8/1/2010	F. Drummond & E. Groden
Site 140	8/1/2010	F. Drummond & E. Groden
Site 149	8/1/2010	F. Drummond & E. Groden
<i>Formica lasioides</i> Emery		
Site 1	8/1/2010	F. Drummond & E. Groden, lawn clippings beneath white spruce at margin of freshwater marsh
Site 2	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 5	8/1/2010	F. Drummond & E. Groden, coniferous forest, riparian
Site 10	8/1/2010	F. Drummond & E. Groden, heath/bog
Site 16	7/31/2010	G. Ouellette, by hand, wetland
Site 17	7/31/2010	M. Patterson, aspirator and by hand, rocky outcrop
	8/1/2010	F. Drummond & E. Groden, on <i>Spirea</i>
Site 18	8/1/2010	F. Drummond & E. Groden, coniferous forest, open headland, roadside
Site 23	8/1/2010	C. Donahue, pitfall trap
	8/1/2010	F. Drummond & E. Groden
Site 25	7/31/2010	E. Groden, sweeping, mixed deciduous forest, <i>Spirea</i> , aster, goldenrod
Site 39	8/1/2010	F. Drummond & E. Groden, grassy #22
Site 57	8/1/2010	F. Drummond & E. Groden
Site 74	8/1/2010	F. Drummond & E. Groden
Site 76	8/1/2010	F. Drummond & E. Groden
Site 79	8/1/2010	F. Drummond & E. Groden, coastal shoreline, open headland, roadside
Site 87	7/31/2010	J. Lund, aspirator, on rock
Site 95	8/1/2010	F. Drummond & E. Groden
Site 108	8/1/2010	F. Drummond & E. Groden
Site 110	8/1/2010	F. Drummond & E. Groden

Site 116	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
Site 128	8/1/2010	F. Drummond & E. Groden
Site 133	8/1/2010	F. Drummond & E. Groden, freshwater wetland, scrub/shrub
Site 135	8/1/2010	F. Drummond & E. Groden
Site 141	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 7457	8/1/2010	F. Drummond & E. Groden
Site 7476	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	C. Gibbs, Cassie 1, gravel
	8/1/2010	F. Drummond & E. Groden, Ocean side, rocky outcrop, on shrub
	8/1/2010	F. Drummond & E. Groden, #19, coastal
<i>Formica neorufibarbis</i> Emery		
Site 1	8/1/2010	F. Drummond & E. Groden, picnic area near Sundew Trail
Site 4	8/1/2010	F. Drummond & E. Groden, coastal shoreline, scrub/shrub, coniferous forest
Site 5	7/31/2010	S. Cover, litter sample-berlese, roadside bog
Site 7	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 43	8/1/2010	F. Drummond & E. Groden, open headland, roadside
Site 46	8/1/2010	F. Drummond & E. Groden, partly sunny along shore edge, pond with birches
Site 93	8/1/2010	F. Drummond & E. Groden, road shoulder
Site 147	8/1/2010	F. Drummond & E. Groden, forest
Site 7452	8/1/2010	F. Drummond & E. Groden
<i>Formica pallidefulva</i> Latreille		
Site 46	8/1/2010	F. Drummond & E. Groden, partly sunny along shore edge, pond with birches.
<i>Formica</i> sp.		
Site 3	7/31/2010	F. Drummond, by hand, grass/shrub scrub
Site 16	7/31/2010	G. Ouellette, by hand, wetland
Site 28	7/31/2010	S. Berger, aspirator, ant hills in blueberries on marsh/road edge
Site 83	7/31/2010	E. Groden, bait-tuna, open roadside, thick vegetation, jewel weed and nettle
<i>Formica</i> sp. 1		
Site 16	7/31/2010	G. Ouellette, by hand, wetland
<i>Formica</i> sp. 2		
Site 18	7/31/2010	G. Ouellette, by hand, rock outcrop.
<i>Formica</i> sp. 3		
Site 28	7/31/2010	S. Berger, aspirator, ant hills in blueberries on marsh/road edge
<i>Formica subsericea</i> Say		
Site 1	8/1/2010	F. Drummond & E. Groden, picnic area near Sundew Trail
Site 17	8/1/2010	F. Drummond & E. Groden
Site 38	8/1/2010	F. Drummond & E. Groden, scrub/shrub, old field, roadside
Site 57	8/1/2010	F. Drummond & E. Groden
Site 83	8/1/2010	F. Drummond & E. Groden, coastal shoreline
Site 101	8/1/2010	F. Drummond & E. Groden
Site 120	8/1/2010	F. Drummond & E. Groden, scrub/shrub, roadside
Site 122	8/1/2010	F. Drummond & E. Groden.
<i>Lasius alienus</i> (Foerster)		
Site 5	7/31/2010	S. Cover, litter sample-berlese, roadside bog
Site 7	8/1/2010	F. Drummond & E. Groden
Site 15	8/1/2010	F. Drummond & E. Groden
Site 26	8/1/2010	F. Drummond & E. Groden, riparian, coniferous forest
Site 131	8/1/2010	F. Drummond & E. Groden
Site 142	8/1/2010	F. Drummond & E. Groden

Site 149	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	F. Drummond & E. Groden.
<i>Lasius claviger</i> Roger		
Site 7	8/1/2010	F. Drummond & E. Groden
Site 48	8/1/2010	F. Drummond & E. Groden
Site 56	8/1/2010	F. Drummond & E. Groden, pond shoreline
Site 103	8/1/2010	G. Mittelhauser
Site 128	8/1/2010	F. Drummond & E. Groden
Site 149	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	F. Drummond & E. Groden, blueberry and juniper #17
	8/1/2010	F. Drummond & E. Groden, opposite spruce point, coastal shrub, #25
<i>Lasius flavus</i> (Fabricius)		
Site 128	8/1/2010	F. Drummond & E. Groden.
<i>Lasius interjectus</i> (Mayr)		
Site 5	7/31/2010	S. cover, litter sample-berlese, roadside bog
<i>Lasius minutus</i> Emery		
Site 27	8/1/2010	C. Donahue, right side of trail
Site 105	8/1/2010	F. Drummond & E. Groden
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
Site 7453	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	F. Drummond & E. Groden, blueberry and juniper #17
<i>Lasius neoniger</i> Emery		
Site 1	8/1/2010	F. Drummond & E. Groden, picnic area near Sundew Trail
	8/1/2010	F. Drummond & E. Groden, conifer forest #11
	8/1/2010	F. Drummond & E. Groden, lawn clippings beneath white spruce at margin of freshwater marsh
Site 10	8/1/2010	F. Drummond & E. Groden, heath/bog
Site 12	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 18	8/1/2010	F. Drummond & E. Groden, conifer forest #24
Site 23	8/1/2010	C. Donahue, pitfall trap
Site 39	8/1/2010	F. Drummond & E. Groden, grassy #22
Site 66	8/1/2010	F. Drummond & E. Groden, granitic high elevation outcrop, coniferous forest, open headland
Site 75	8/1/2010	F. Drummond & E. Groden
Site 78	8/1/2010	F. Drummond & E. Groden
Site 99	8/1/2010	F. Drummond & E. Groden
Site 105	8/1/2010	F. Drummond & E. Groden
Site 106	8/1/2010	F. Drummond & E. Groden
Site 114	8/1/2010	F. Drummond & E. Groden
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
Site 128	8/1/2010	F. Drummond & E. Groden
Site 132	8/1/2010	F. Drummond & E. Groden, pitfall
Site 136	8/1/2010	F. Drummond & E. Groden
Site 155	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	F. Drummond & E. Groden, #19, coastal
	8/1/2010	F. Drummond & E. Groden, grassy, no trees #12
<i>Lasius pallitarsis</i> (Provancher)		
Site 1	8/1/2010	F. Drummond & E. Groden, picnic area near Sundew Trail
Site 4	8/1/2010	F. Drummond & E. Groden, coastal shoreline, scrub/shrub, coniferous forest
Site 5	7/31/2010	S. cover, litter sample-berlese, roadside bog
	8/1/2010	F. Drummond & E. Groden, coniferous forest, riparian
Site 12	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 13	8/1/2010	F. Drummond & E. Groden

Site 19	8/1/2010	F. Drummond & E. Groden
Site 22	8/1/2010	F. Drummond & E. Groden, riparian, mixed forest
Site 57	8/1/2010	F. Drummond & E. Groden
Site 61	8/1/2010	F. Drummond & E. Groden
Site 63	8/1/2010	F. Drummond & E. Groden
Site 64	8/1/2010	F. Drummond & E. Groden
Site 66	8/1/2010	F. Drummond & E. Groden, granitic high-elevation outcrop, coniferous forest, open headland
Site 68	8/1/2010	F. Drummond & E. Groden
Site 71	8/1/2010	F. Drummond & E. Groden, coastal shoreline, open headland, roadside
Site 118	8/1/2010	F. Drummond & E. Groden, pit 4, grassy
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean
Site 128	8/1/2010	F. Drummond & E. Groden
Site 139	8/1/2010	F. Drummond & E. Groden.
<i>Lasius</i> sp.		
Site 12	7/31/2010	G. Ouellette, berlese, leaf litter
Site 16	7/31/2010	G. Ouellette, by hand, wetland
Site 24	7/31/2010	G. Ouellette, by hand
Site 25	7/31/2010	E. Groden, aspirator, litter from mixed deciduous forest, alder, open grassy
Site 38	7/31/2010	G. Ouellette, bait vials, deciduous forest
Site 118	7/31/2010	B. Choate, berlese, conifer litter
<i>Lasius</i> sp. 1		
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrop, on vegetation, and on or under rocks
<i>Lasius</i> sp. 2		
Site 18	7/31/2010	G. Ouellette, by hand, rock outcrop.
<i>Lasius subumbratus</i> Viereck		
Site 56	8/1/2010	F. Drummond & E. Groden, pond shoreline
<i>Lasius umbratus</i>		
Site 48	8/1/2010	F. Drummond & E. Groden.
<i>Leptothorax muscorum</i> complex		
Site 9	8/1/2010	F. Drummond & E. Groden, gravel road
Site 45	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
	8/1/2010	F. Drummond & E. Groden, SW shore, boulder beach, on dead conifer
Site 46	7/31/2010	A. Alyokhin, sweeping
Site 136	8/1/2010	F. Drummond & E. Groden
Site 141	8/1/2010	F. Drummond & E. Groden
Site 148	8/1/2010	F. Drummond & E. Groden.
<i>Myrmica americana</i> Weber		
Site 11	8/1/2010	F. Drummond & E. Groden, pond, riparian, coniferous forest, roadside
Site 58	8/1/2010	F. Drummond & E. Groden
<i>Myrmica detritinodis</i> Emery		
Site 1	8/1/2010	F. Drummond & E. Groden
Site 21	8/1/2010	F. Drummond & E. Groden, pitfall trap 27
Site 59	8/1/2010	F. Drummond & E. Groden
Site 62	8/1/2010	F. Drummond & E. Groden
Site 66	8/1/2010	F. Drummond & E. Groden
Site 74	8/1/2010	F. Drummond & E. Groden
Site 75	8/1/2010	F. Drummond & E. Groden, Pit 10
Site 84	8/1/2010	F. Drummond & E. Groden, coniferous forest, open headland, roadside

Site 86	8/1/2010	F. Drummond & E. Groden
Site 89	8/1/2010	F. Drummond & E. Groden
Site 102	8/1/2010	F. Drummond & E. Groden
Site 122	8/1/2010	F. Drummond & E. Groden
Site 125	8/1/2010	F. Drummond & E. Groden, pitfall #8 moss conifer
Site 7476	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	F. Drummond & E. Groden, grassy, no trees #12.
<i>Myrmica fracticornis</i> Forel		
Site 14	8/1/2010	F. Drummond & E. Groden, E bait trail, pit 20 between hill and parking lot
	8/1/2010	F. Drummond & E. Groden, E bait trail
Site 16	8/1/2010	F. Drummond & E. Groden, pond shoreline
	8/1/2010	F. Drummond & E. Groden, forested, conifer
Site 18	8/1/2010	F. Drummond & E. Groden, coniferous forest, open headland, roadside
Site 81	8/1/2010	F. Drummond & E. Groden, coastal shoreline, pond shoreline
Site 93	8/1/2010	F. Drummond & E. Groden, pitfall trap #14
	8/1/2010	F. Drummond & E. Groden, grassy wetland, #13
Site 105	8/1/2010	F. Drummond & E. Groden
Site 116	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
Site 118	8/1/2010	F. Drummond & E. Groden, pit 4, grassy
Site 122	8/1/2010	F. Drummond & E. Groden
Site 136	8/1/2010	F. Drummond & E. Groden
Site 7477	8/1/2010	C. Gibbs, Cassie 1, wetland #5
	8/1/2010	F. Drummond & E. Groden, pit 16
	8/1/2010	F. Drummond & E. Groden, blueberry and juniper #17
<i>Myrmica rubra</i> (Linnaeus)		
Site 142	8/1/2010	F. Drummond & E. Groden
<i>Myrmica</i> sp.		
Site 5	7/31/2010	S. cover, litter sample-berlese, roadside bog
Site 21	7/31/2010	E. Groden, bait-pecan sandy, Spruce fir, understory moss, cranberry
Site 25	7/31/2010	E. Groden, sweeping, mixed deciduous forest, <i>Spirea</i> , aster, goldenrod
Site 83	7/31/2010	E. Groden, bait-tuna, open roadside, thick vegetation, jewel weed and nettle
<i>Myrmica</i> sp. 1		
Site 27	7/31/2010	J. Lund, aspirator, on ground in middle of path
Site 38	7/31/2010	G. Cooper, by hand, inside branch
Site 39	7/31/2010	K. Bernard, berlese, litter from forest edge
<i>Myrmica</i> sp. 2		
Site 18	7/31/2010	G. Ouellette, by hand, rock outcrop
Site 38	7/31/2010	G. Ouellette, by hand, deciduous forest
Site 38	7/31/2010	G. Ouellette, by hand, deciduous forest
<i>Stenamamma diecki</i> Emery		
Site 4	8/1/2010	F. Drummond & E. Groden, coastal shoreline, scrub/shrub, coniferous forest
Site 5	7/31/2010	S. Cover, litter sample-berlese, roadside bog
Site 16	7/31/2010	G. Ouellette, by hand, wetland
Site 22	8/1/2010	F. Drummond & E. Groden, riparian, mixed forest
Site 70	8/1/2010	F. Drummond & E. Groden
Site 118	7/31/2010	B. Choate, berlese, conifer litter
Site 125	8/1/2010	F. Drummond & E. Groden, spruce overstory, mossy, little undergrowth, near ocean.



*Tapinoma sessile* (Say)

Site 2	8/1/2010	F. Drummond & E. Groden, coniferous forest, roadside
Site 5	7/31/2010	S. cover, litter sample-berlese, roadside bog
Site 7	8/1/2010	F. Drummond & E. Groden
Site 12	7/31/2010	C. Teerling, sweeping, <i>Spirea</i>
Site 15	8/1/2010	F. Drummond & E. Groden
Site 16	8/1/2010	F. Drummond & E. Groden, salt marsh meadow
Site 17	7/31/2010	M. Patterson, aspirator and by hand, rocky outcrop
Site 20	7/31/2010	A. Webber, sweeping
Site 24	7/31/2010	G. Ouellette, by hand
Site 25	7/31/2010	E. Groden, sweeping, mixed deciduous forest, <i>Spirea</i> , aster, goldenrod
Site 27	7/31/2010	J. Lund, aspirator, on ground in middle of path
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrop, on vegetation, and on or under rocks
Site 47	8/1/2010	F. Drummond & E. Groden
Site 48	8/1/2010	F. Drummond & E. Groden
Site 55	8/1/2010	F. Drummond & E. Groden
Site 64	8/1/2010	F. Drummond & E. Groden
Site 87	7/31/2010	J. Lund, sweeping, rocky outcrop
Site 105	8/1/2010	F. Drummond & E. Groden
Site 108	8/1/2010	F. Drummond & E. Groden
Site 116	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
Site 130	8/1/2010	F. Drummond & E. Groden
Site 135	8/1/2010	F. Drummond & E. Groden
Site 136	8/1/2010	F. Drummond & E. Groden
Site 141	8/1/2010	F. Drummond & E. Groden
Site 149	8/1/2010	F. Drummond & E. Groden
Site 155	8/1/2010	F. Drummond & E. Groden.

*Temnothorax ambiguus* (Emery)

Site 5	7/31/2010	S. Cover, litter sample-berlese, roadside bog
Site 25	7/31/2010	E. Groden, sweeping, mixed deciduous forest, <i>Spirea</i> , aster, goldenrod
Site 24	8/1/2010	F. Drummond & E. Groden, scrub/shrub, roadside
Site 116	8/1/2010	F. Drummond & E. Groden, open headland, coastal shoreline, coniferous forest
Site 118	7/31/2010	M. Patterson, aspirator, ant mound on rocky ledge in sun.

*Temnothorax longispinosus* (Roger)

Site 24	8/1/2010	F. Drummond & E. Groden
Site 139	8/1/2010	F. Drummond & E. Groden.

**Suborder Apocrita, Superfamily Apoidea—The bees**

Sam Droege, U.S. Geological Survey, Beltsville, MD.

**ANDRENIDAE***Andrena nubecula* Smith

Site 7459	8/1/2010	S. Droege, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7475	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Andrena wilkella* (Kirby)

Site 7472	8/1/2010	S. Droege, sweeping
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*Perdita octomaculata* (Say)

Site 7476	8/1/2010	S. Droege, sweeping
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**APIDAE***Bombus bimaculatus* Cresson

Site 7450	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Bombus borealis* Kirby

Site 7471	8/1/2010	S. Droege, pan trap
Site 7472	8/1/2010	S. Droege, sweeping

*Bombus fernaldae* (Franklin)

Site 7477	8/1/2010	Bioblitz participants
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*Bombus perplexus* Cresson

Site 25	7/31/2010	D.S. Chandler, sweeping, meadow, brushy area
Site 83	7/31/2010	F. Drummond, by hand, shoreline, on vetch
Site 7477	8/1/2010	Bioblitz participants

*Bombus rufocinctus* Cresson

Site 7461	8/1/2010	S. Droege, pan trap
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*Bombus sandersoni* Franklin

Site 7469	8/1/2010	S. Droege, pan trap
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*Bombus ternarius* Say

Site 1	7/31/2010	K. Hutchins, sweeping, goldenrod
Site 13	7/31/2010	K. Hopkins, sweeping and by hand, nectaring at pine
Site 20	7/31/2010	M. Marion, sweeping
Site 25	7/31/2010	D.S. Chandler, sweeping, meadow, brushy area
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 83	7/31/2010	F. Drummond, by hand, shoreline, on goldenrod
Site 142	7/31/2010	K. Urquhart, sweeping, in grasses and weeds
Site 7450	8/1/2010	S. Droege, sweeping
Site 7451	8/1/2010	S. Droege, sweeping
Site 7452	8/1/2010	S. Droege, pan trap
Site 7456	8/1/2010	S. Droege, pan trap
Site 7457	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7460	8/1/2010	S. Droege, pan trap
Site 7461	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap
Site 7466	8/1/2010	S. Droege, pan trap
Site 7467	8/1/2010	S. Droege, pan trap
Site 7468	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
Site 7470	8/1/2010	S. Droege, pan trap
Site 7471	8/1/2010	S. Droege, pan trap
Site 7473	8/1/2010	S. Droege, sweeping
Site 7475	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Bombus terricola* Kirby

Site 7462	8/1/2010	S. Droege, pan trap
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*Bombus vagans* Smith

Site 3	7/31/2010	J. Insinga, by hand
	8/1/2010	A. Alyokhin, sweeping
Site 10	7/31/2010	F. Drummond, by hand, edge of wetland
Site 13	7/31/2010	K. Hopkins, sweeping and by hand, nectaring at pine
Site 25	7/31/2010	D.S. Chandler, sweeping, meadow, brushy area

Site 83	7/31/2010	F. Drummond, by hand, coastal shoreline scrub, on <i>Impatiens capensis</i>
	7/31/2010	F. Drummond, by hand, coastal shoreline scrub, on mint
	7/31/2010	F. Drummond, by hand, coastal shoreline scrub, on white aster
Site 84	7/31/2010	K. Hopkins, sweeping, goldenrod along road
Site 142	7/31/2010	K. Urquhart, sweeping, juniper and scrub brush w/ roses
Site 7450	8/1/2010	S. Droege, sweeping
Site 7451	8/1/2010	S. Droege, sweeping
Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7454	8/1/2010	S. Droege, pan trap
Site 7457	8/1/2010	S. Droege, pan trap
Site 7458	8/1/2010	S. Droege, pan trap
Site 7460	8/1/2010	S. Droege, pan trap
Site 7461	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap
Site 7463	8/1/2010	S. Droege, pan trap
Site 7464	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap
Site 7468	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
Site 7470	8/1/2010	S. Droege, pan trap
Site 7471	8/1/2010	S. Droege, pan trap
Site 7472	8/1/2010	S. Droege, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7474	8/1/2010	S. Droege, pan trap
Site 7475	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants
<i>Ceratina calcarata</i> Robertson		
Site 7454	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap
<i>Epeolus scutellaris</i> Say		
Site 27	7/31/2010	J. Rykken, sweeping
Site 7457	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants
<i>Melissodes illata</i> Lovell & Cockerell		
Site 7450	8/1/2010	S. Droege, sweeping
Site 7469	8/1/2010	S. Droege, pan trap
Site 7477	8/1/2010	Bioblitz participants

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**COLLETIDAE**


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*Colletes simulans* Cresson

Site 25	7/31/2010	D.S. Chandler, sweeping, meadow, brushy area
Site 27	7/31/2010	J. Rykken, sweeping
Site 149	7/31/2010	B. Loncosky, sweeping, meadow with goldenrod
Site 7472	8/1/2010	S. Droege, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Colletes* sp.

Site 7475	8/1/2010	S. Droege, sweeping
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*Hylaeus affinis* (Smith)/*modestus* Say

Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 7453	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap

Site 7473	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
<i>Hylaeus annulatus</i> (Linnaeus)		
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 7473	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
<i>Hylaeus modestus</i> Say		
Site 22	7/31/2010	D.S. Chandler, sweeping, along road
Site 27	7/31/2010	J. Rykken, sweeping
Site 149	7/31/2010	B. Loncosky, sweeping, meadow with goldenrod
Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7477	8/1/2010	Bioblitz participants
<i>Hylaeus verticalis</i> (Cresson)		
Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7477	8/1/2010	Bioblitz participants

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**HALICTIDAE***Augochlorella aurata* (Smith)

Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 7451	8/1/2010	S. Droege, sweeping
Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7454	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7462	8/1/2010	S. Droege, pan trap
Site 7463	8/1/2010	S. Droege, pan trap
Site 7464	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap
Site 7468	8/1/2010	S. Droege, pan trap
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Halictus confusus* Smith

Site 27	7/31/2010	J. Rykken, sweeping
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 7453	8/1/2010	S. Droege, pan trap
Site 7454	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap
Site 7464	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
Site 7471	8/1/2010	S. Droege, pan trap
Site 7472	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Halictus ligatus* Say

Site 7451	8/1/2010	S. Droege, sweeping
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*Halictus rubicundus* (Christ)

Site 13	7/31/2010	K. Hopkins, sweeping and by hand, nectaring at pine
Site 17	8/1/2010	M.E. Mazurkiewicz, sweeping
Site 7451	8/1/2010	S. Droege, sweeping
Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7454	8/1/2010	S. Droege, pan trap
Site 7456	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7470	8/1/2010	S. Droege, pan trap

Site 7471	8/1/2010	S. Droege, pan trap
Site 7472	8/1/2010	S. Droege, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7475	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants
<i>Lasioglossum cinctipes</i> (Provancher)		
Site 27	7/31/2010	J. Rykken, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants
<i>Lasioglossum coriaceum</i> (Smith)		
Site 7454	8/1/2010	S. Droege, pan trap
<i>Lasioglossum cressonii</i> (Robertson)		
Site 7477	8/1/2010	Bioblitz participants
<i>Lasioglossum ellisiae</i> (Sandhouse)		
Site 7462	8/1/2010	S. Droege, pan trap
<i>Lasioglossum leucozonium</i> (Schrank)		
Site 7450	8/1/2010	S. Droege, sweeping
Site 7452	8/1/2010	S. Droege, pan trap
Site 7454	8/1/2010	S. Droege, pan trap
Site 7461	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap
Site 7463	8/1/2010	S. Droege, pan trap
Site 7468	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
Site 7472	8/1/2010	S. Droege, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7474	8/1/2010	S. Droege, pan trap
Site 7477	8/1/2010	Bioblitz participants
<i>Lasioglossum oblongum</i> (Lovell)		
Site 7462	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
<i>Lasioglossum pilosum</i> (Smith)		
Site 7453	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
<i>Lasioglossum quebecense</i> (Crawford)		
Site 20	7/31/2010	D. Michaud, sweeping
Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
Site 7452	8/1/2010	S. Droege, pan trap
Site 7458	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7460	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap
Site 7467	8/1/2010	S. Droege, pan trap
Site 7470	8/1/2010	S. Droege, pan trap
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants
<i>Lasioglossum rufitarse</i> (Zetterstedt)		
Site 7469	8/1/2010	S. Droege, pan trap
<i>Lasioglossum</i> sp.		
Site 7450	8/1/2010	S. Droege, sweeping
Site 7450	8/1/2010	S. Droege, sweeping
Site 7451	8/1/2010	S. Droege, sweeping
Site 7452	8/1/2010	S. Droege, pan trap

Site 7453	8/1/2010	S. Droege, pan trap
Site 7454	8/1/2010	S. Droege, pan trap
Site 7455	8/1/2010	S. Droege, pan trap
Site 7456	8/1/2010	S. Droege, pan trap
Site 7457	8/1/2010	S. Droege, pan trap
Site 7458	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7460	8/1/2010	S. Droege, pan trap
Site 7461	8/1/2010	S. Droege, pan trap
Site 7462	8/1/2010	S. Droege, pan trap
Site 7463	8/1/2010	S. Droege, pan trap
Site 7464	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap
Site 7466	8/1/2010	S. Droege, pan trap
Site 7467	8/1/2010	S. Droege, pan trap
Site 7468	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap
Site 7470	8/1/2010	S. Droege, pan trap
Site 7471	8/1/2010	S. Droege, pan trap
Site 7472	8/1/2010	S. Droege, sweeping
Site 7473	8/1/2010	S. Droege, sweeping
Site 7474	8/1/2010	S. Droege, pan trap
Site 7476	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

*Lasioglossum versans* (Lovell)

Site 7457	8/1/2010	S. Droege, pan trap
Site 7460	8/1/2010	S. Droege, pan trap
Site 7463	8/1/2010	S. Droege, pan trap
Site 7473	8/1/2010	S. Droege, sweeping

*Lasioglossum versatum* (Robertson)

Site 34	7/31/2010	D.S. Chandler, sweeping, rocky outcrops around hanging bog
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*Sphecodes confertus*

Site 7458	8/1/2010	S. Droege, pan trap
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*Sphecodes* sp.

Site 7477	8/1/2010	Bioblitz participants
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**MEGACHILIDAE***Hoplitis producta* (Cresson)

Site 7454	8/1/2010	S. Droege, pan trap
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*Megachile gemula* Cresson

Site 7477	8/1/2010	Bioblitz participants
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*Megachile melanophaea* Smith

Site 7452	8/1/2010	S. Droege, pan trap
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*Osmia atriventris* Cresson

Site 7452	8/1/2010	S. Droege, pan trap
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*Osmia simillima* Smith

Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7477	8/1/2010	Bioblitz participants

## The stinging wasps (Crabronidae, Pompilidae, Sphecidae, Vespidae)

By Matthias Buck, Royal Alberta Museum, Edmonton, AB, Canada.

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### CRABRONIDAE

#### *Aphilanthops frigidus* (Smith)

Site 7451	8/1/2010	S. Droege, sweeping
Site 7472	8/1/2010	S. Droege, sweeping

#### *Ectemnius arcuatus* (Say)

Site 22	7/31/2010	D.S. Chandler, sweeping
Site 7477	8/1/2010	Bioblitz participants

#### *Ectemnius continuus* (Fabricius)

Site 7476	8/1/2010	S. Droege, sweeping
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#### *Ectemnius dives* (Lepeletier & Brulle)

Site 7458	8/1/2010	S. Droege, pan trap
Site 7464	8/1/2010	S. Droege, pan trap

#### *Ectemnius lapidarius* (Panzer)

Site 7452	8/1/2010	S. Droege, pan trap
Site 7453	8/1/2010	S. Droege, pan trap
Site 7459	8/1/2010	S. Droege, sweeping
Site 7476	8/1/2010	S. Droege, sweeping

#### *Ectemnius maculosus* (Gmelin)

Site 7472	8/1/2010	S. Droege, sweeping
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#### *Nysson lateralis* Packard

Site 7457	8/1/2010	S. Droege, pan trap
Site 7469	8/1/2010	S. Droege, pan trap

#### *Tachysphex tarsatus* (Say)

Site 7471	8/1/2010	S. Droege, pan trap
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#### *Trypoxylon frigidum* Smith

Site 7458	8/1/2010	S. Droege, pan trap
Site 7465	8/1/2010	S. Droege, pan trap

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### POMPILIDAE

#### *Anoplius marginatus* (Say)

Site 7452	8/1/2010	S. Droege, pan trap
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#### *Anoplius nigerrimus* (Scopoli)

Site 22	7/31/2010	D.S. Chandler, sweeping
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#### *Anoplius semirufus* (Cresspm)

Site 7472	8/1/2010	S. Droege, sweeping
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#### *Anoplius* sp.

Site 7452	8/1/2010	S. Droege, pan trap
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#### *Aporinellus wheeleri* Bequaert

Site 7453	8/1/2010	S. Droege, pan trap
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#### *Arachnospila fumipennis* (Zetterstedt)

Site 140	7/31/2010	R.E. Nelson, sweeping
Site 7452	8/1/2010	S. Droege, pan trap

#### *Episyron biguttatus* (Fabricius)

Site 7466	8/1/2010	S. Droege, pan trap
Site 7475	8/1/2010	S. Droege, sweeping
Site 7477	8/1/2010	Bioblitz participants

#### *Evagetes parvus* (Cresson)

Site 7467	8/1/2010	S. Droege, pan trap
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**SPHECIDAE***Bembix americanus* Fabricius

Site 7472 8/1/2010 S. Droege, sweeping

*Crabro latipes* Smith

Site 7477 8/1/2010 Bioblitz participants

*Crossocerus barbipes* (Dahlbom)

Site 7477 8/1/2010 Bioblitz participants

*Crossocerus elongatulus* Vander Linden

Site 13 7/31/2010 S. Bushman, sweeping

*Crossocerus nigricornis* (Provancher)

Site 7477 8/1/2010 Bioblitz participants

*Passaloecus cuspidatus* Smith

Site 7465 8/1/2010 S. Droege, pan trap

*Passaloecus monilicornis* Dahlbom

Site 7477 8/1/2010 Bioblitz participants

*Passaloecus singularis* Dahlbom

Site 7456 8/1/2010 S. Droege, pan trap

*Pemphredon lethifer* (Shuckard)

Site 13 7/31/2010 K. Hopkins, sweeping and by hand, nectaring at pine

*Psenulus pallipes* (Panzer)

Site 7477 8/1/2010 Bioblitz participants

**VESPIDAE***Ancistrocerus adiabatus* (Saussure)

Site 22 7/31/2010 D.S. Chandler, sweeping, along road

Site 25 7/31/2010 D.S. Chandler, sweeping, meadow, brushy area

Site 27 7/31/2010 J. Rykken, sweeping

Site 28 7/31/2010 M. Marion, sweeping, aspirator, anthills by marsh

Site 80 7/31/2010 J. Rykken, sweeping, along road

Site 141 7/31/2010 R.E. Nelson, sweeping brush

Site 7451 8/1/2010 S. Droege, sweeping

Site 7477 8/1/2010 Bioblitz participants

*Ancistrocerus albophaleratus* (Saussure)

Site 7475 8/1/2010 S. Droege, sweeping

*Ancistrocerus antilope* (Panzer)

Site 7473 8/1/2010 S. Droege, sweeping

*Ancistrocerus catskill* (Saussure)

Site 13 7/31/2010 A. Dibble, sweeping

Site 7459 8/1/2010 S. Droege, sweeping

*Dolichovespula adulterina* (du Buysson)

Site 7450 8/1/2010 S. Droege, sweeping

Site 7477 8/1/2010 Bioblitz participants

*Dolichovespula arenaria* (Fabricius)

Site 22 7/31/2010 D.S. Chandler, sweeping

Site 7477 8/1/2010 Bioblitz participants

*Dolichovespula norvegicoides* (Sladen)

Site 7452 8/1/2010 S. Droege, pan trap

*Polistes fuscatus* (Fabricius)

Site 7472 8/1/2010 S. Droege, sweeping.



## INDEX OF FAMILY, GENUS, &amp; SPECIES NAMES

- Abagrotis brunneipennis* 159  
*Acalypta elegans* 23, 96  
*Acanthoscelidius acephalus* 110  
Acanthosomatidae 90  
Acartophthalmidae 129  
*Acartophthalmus nigrinus* 129  
*Acasis viridata* 151  
*Aceratagallia sanguinolenta*.  
  See *Ceratagallia humilis*  
Achilidae 20  
*Acidota crenata* 125  
*Acleris curvalana* 172  
*Acmaeops proteus* 106  
*Acoptus suturalis* 110  
Acrididae 77  
Acrobasis  
  *comptoniella* 170  
  *rubrifasciella* 170  
  *tricolorella* 170  
  *vaccinii* 170  
Acronicta  
  *americana* 159  
  *dactylina* 159  
  *fragilis* 159  
  *grisea* 159  
  *haesitata* 159  
  *innotata* 159  
  *noctivaga* 160  
  *oblinita* 160  
  *superans* 160  
  *tritona* 160  
*Actias luna* 171  
Adelphocoris  
  *lineolatus* 23, 91  
  *rapidus* 91  
*Aedes vexans* 131  
*Aeshna interrupta* 76  
Aeshnidae 76  
*Aethalura intertexta* 151  
*Aethes* sp. 172  
Agabus  
  *bifarius* 114  
  *erythropterus* 114  
  *inscriptus* 114  
  *larsoni* 114  
  *seriatus* 114  
*Agalliopsis*  
  *ancistra* 21, 83  
  *novella*. See *Agalliopsis ancistra*  
Agelenidae 55  
Agelenopsis  
  sp. 55  
  *utahana* 55  
Agonum  
  *mutatum* 104  
  *placidum* 104  
  *retractum* 104  
*Agria housei* 136  
Agriulus  
  *cuprescens* 101  
  *ruficollis* 101  
*Agriopodes fallax* 160  
*Agriotella bigeminata* 115  
*Agriotes collaris* 115  
Agromyzidae 129  
*Agrotis ipsilon* 160  
*Agrypnia vestita* 81  
*Aleochara* sp. 125  
Aleocharinae sp. 125  
*Algedonia mysippusalis* 142  
*Allacma fusca* 26, 74  
*Allagrapha aerea* 160  
*Alopecosa*  
  *aculeata* 63  
  sp. 63  
*Altica* sp. 108  
Alydidae 90  
Amara  
  *aenea* 104  
  sp. 104  
Amaurobiidae 55  
*Amblyscirtes vialis* 157  
*Amolita fessa* 160  
*Ampedus*  
  *mixtus* 115  
  *nigricans* 115  
  sp. 115  
  *subtilis* 115  
*Amphipoea*  
  *americana* 160  
  *interoceanica* 160  
Amphisbatidae 141  
*Amplicephalus simplex*. See *Deltocephalus simplarius*  
*Anabolia bimaculata* 25, 80  
*Anacaena limbata* 118  
*Anageshna primordialis* 142  
*Anagrapha falcifera* 160  
*Analeptura lineola* 106  
*Anania funebris* 142  
*Anaplectoides prasina* 160  
Anaspis  
  *flavipennis* 123  
  *rufa* 123  
*Anavitrinella pampinaria* 151  
Ancistrocerus  
  *adiabatus* 194  
  *albophaleratus* 194  
  *catskill* 194  
Ancylys  
  *carbonana* 172  
  *mediofasciana* 172  
*Ancyloxypha numitor* 157  
Andrena  
  *nubecula* 187  
  *wilkella* 187  
Andrenidae 187  
*Androchirus erythropus* 127  
Anisotoma  
  *geminata* 119  
  *horni* 120  
Anobiidae 100  
Anoplius  
  *marginatus* 193  
  *nigerrimus* 193  
  *semirufus* 193  
  sp. 193  
Anoscopus  
  *albiger* 21, 83  
  *flavostrigatus* 21, 83  
*Antepione thisoaria* 151  
*Antheraea polyphemus* 171  
Anthicidae 100  
Anthicus  
  *melancholicus* 100  
Anthocoridae 90

- Anthomyza* sp. 129  
 Anthomyzidae 129  
*Anthonomus*  
   *corvulus* 110  
   *lecontei* 111  
   *musculus* 15, 111  
   *quadrigibbus* 111  
   *signatus* 111  
*Anthrenus verbasci* 114  
*Anticlea multiferata* 151  
*Antistea brunnea* 58  
*Anurida maritima* 26, 73  
*Anurophorus* sp. 72  
*Apache*. See *Otiocerus*  
*Apamea*  
   *amputatrix* 161  
   *commoda* 161  
   *devastator* 161  
   *dubitans* 161  
   *impulsa* 161  
   *inordinata* 161  
   *lignicolora* 161  
   *verbascoides* 161  
*Apateticus cynicus* 95  
*Aphilanthops frigidus* 193  
*Aphodius*  
   *leopardus* 122  
   *rubripennis* 122  
   *rusicola* 122  
*Aphomia sociella* 170  
*Aphrodes*  
   *albifrons* 21  
   *bicinctus* 83  
*Aphrophora*  
   *cribrata* 20, 82  
   *gelida* 20, 82  
   *quadrimotata* 82  
   *saratogensis* 82  
*Apidae* 188  
*Apionidae* 101  
*Apion* sp. 101  
*Aplectoides condita* 161  
*Apocrita* 28, 29, 175, 178, 187  
*Apoidea* 35, 187  
*Aporinellus wheeleri* 193  
*Apotomis*  
   *albeoana* 172  
   *capreana* 172  
   *removana* 172  
*Appendisotoma vesiculata* 73  
 Arachnida 55  
*Arachnospila fumipennis* 193  
 Araneidae 18  
*Araneus*  
   *juniperi* 55  
   *marmoreus* 55  
   *nordmanni* 55  
   sp. 55  
   *trifolium* 55  
*Araniella displicata* 56  
*Arboridia nitida* 21, 83  
*Archips cerasivorana* 172  
*Arctosa emertoni* 63  
*Arequipa turbatella* 142  
*Argenna obesa* 57  
*Argyresthia*  
   *belangerella* 174  
   *calliphanes* 174  
   *oreasella* 174  
   sp. 175  
*Argyrotaenia*  
   n.sp. nr. *occultana* 173  
   *occultana* 173  
   *pinitubana* 173  
*Aristotelia roseosuffusella* 150  
*Aroga* 150  
   *argutiola* 150  
   *trialbamaculella* 150  
 Arrhopalitidae 69  
 Artematopidae 101  
*Arthromacra aenea* 127  
*Asagenna americana* 66  
*Asaphes* sp. 177  
*Athous*  
   *productus* 115  
   *rufifrons* 115  
*Athysanus argentarius* 83  
*Atrecus americanus* 125  
*Attalus terminalis* 120  
 Attelebidae 101  
*Attidops* sp. 65  
*Auchenorrhyncha* 82  
*Augochlorella aurata* 190  
*Aulonothroscus constrictor* 128  
*Autographa precationis* 161  
*Baeocera* sp. 125  
*Balcanocerus provancheri* 84  
*Balclutha*  
   *confluens* 21, 84  
   *impicta* 22, 84  
   *punctata*. See *Balclutha*:  
     *confluens*  
*Balsa*  
   *labecula* 161  
   *malana* 161  
*Banasa dimidiata* 95  
*Bandara johnsoni* 84  
*Banksiola*  
   *crotchi* 25, 81  
   *dossuaria* 81  
   *smithi* 81  
*Barypeithes pellucidus* 111  
*Bathyphantes pallidus* 59  
*Bellura obliqua* 161  
 Belostomatidae 90  
*Bembidion*  
   *concretum* 104  
   *fortestriatum* 104  
   *lacunarium* 104  
   *mimus* 104  
*Bembix americanus* 194  
*Bertkauia crosbyana* 27, 98  
 Berytidae 90  
*Besma*  
   *endropiaria* 151  
   *quercivoraria* 151  
*Bibarrambla allenella* 146  
*Bisnius siegwaldii* 125  
*Biston betularia cognataria* 151  
*Blapstinus metallicus* 127  
*Blaste subquieta* 99  
*Blastobasis* sp. 141  
 Blattellidae 78  
*Bleptina caradrinalis* 147  
*Blethisa quadricollis* 104  
*Boettcheria latisterna* 137  
*Boloria selene* 167  
*Bombus* 35  
   *affinis* 35  
   *ashtoni* 35  
   *bimaculatus* 188  
   *borealis* 188  
   *citrinus* 35

- fernaldae* 188  
*fervidus* 35  
*perplexus* 35, 188  
*rufocinctus* 188  
*sandersoni* 35, 188  
*ternarius* 188  
*terricola* 35, 188  
*vagans* 35, 188  
 Bourletiellidae 70  
*Brachygluta abdominalis* 125  
*Brachyleptura champlaini* 106  
*Brachyscepsis* sp. 125  
*Brachystomella parvula* 70  
 Brachystomellidae 70  
 Braconidae 175  
*Bruchomorpha* 20  
*Bryoporus rufescens* 125  
 Bucculatricidae 141  
*Bucculatrix ca. ainsliella* 141  
*Buena confusa* 95  
 Buprestidae 101  
*Buprestis maculiventris* 101  
  
*Cabera erythemaria* 151  
 Caeciliusidae 27, 28, 97  
*Caenurgina crassiuscula* 147  
*Cafius bistriatus* 125  
*Calathus ingratus* 104  
 Caliscelidae 20  
*Calligrapha rowena* 108  
*Callilepis pluto* 58  
 Calliphora  
     *livida* 130  
     *vomitorea* 130  
 Calliphoridae 130  
*Callobius bennetti* 55  
 Callopistria  
     *cordata* 161  
     *mollissima* 162  
 Caloptilia  
     *alnicolella* 157  
     *fraxinella* 157  
     sp. 157  
*Campaea perlata* 151  
*Campiglossa albiceps* 140  
 Campodeidae 24, 76  
 Camponotus  
     *herculeanus* 30, 178  
     *novaeboracensis* 33, 178  
     *pennsylvanicus* 179  
         sp. 179  
*Campylenchia latipes* 89  
*Canalidion montanum* 66  
*Canifa pallipes* 124  
 Cantharidae 15, 101  
 Cantharis  
     *livida* 101  
     *rotundicollis* 101  
     *tuberculata* 101  
*Capis curvata* 162  
*Capraita circumdata* 108  
 Carabidae 104  
*Carabus nemoralis* 104  
 Caripeta  
     *angustiorata* 151  
     *divisata* 151  
*Carpatolechia* sp. 150  
*Carphacis intrusus* 125  
*Catonia* 20  
*Catops basilaris* 120  
*Cedusa* 20  
 Celastrina  
     *ladon* 158  
     *neglecta* 158  
*Celypha cespitana* 173  
*Centromerus persolutus* 59  
*Cephaloon lepturides* 127  
 Cerambycidae 106, 107  
 Ceraphronidae 175  
*Ceratagallia humilis* 21, 84  
*Ceraticelus fissiceps* 60  
*Ceratina calcarata* 189  
*Ceratinella brunnea* 60  
*Ceratinopsis nigriceps* 61  
*Ceratinops rugosus* 61  
*Ceratonia undulosa* 171  
 Cercopidae 82  
 Cercopoidea 19  
*Cerma cora* 162  
*Cerobasis* sp. 27, 100  
*Cetema elongatum* 130  
 Ceutorhynchus  
     *pallidactylus* 15, 111  
     *pusio* 15, 111  
 Chaetopsis  
     *aenae* 141  
     *apicalis* 141  
     *massyla* 141  
 Chalcididae 175  
 Chamaemyiidae 130  
*Charadra deridens* 162  
*Charidotella purpurata* 108  
 Chionodes  
     *mediofuscella* 150  
     *sattleri* 13, 150  
*Chlaenius sericeus* 104  
*Chlorochlamys chloroleucaria* 152  
*Chlorochroa persimilis* 95  
*Chloroclysta truncata* 152  
 Chloropidae 130  
*Chlosyne harrisii* 167  
 Choristoneura  
     *conflictana* 173  
     *pinus* 173  
     *rosaceana* 173  
*Chorthippus curtipennis* 77  
*Chrysanympha formosa* 162  
*Chrysobothris trinervia* 101  
*Chrysolina quadrigemina* 15, 108  
 Chrysomelidae 108  
*Chrysopa oculata* 79  
 Chrysopidae 79  
*Chrysoteuchia topiaria* 142  
 Chymomyza  
     *amoena* 132  
     sp. 132  
 Cicadellidae 19, 83  
 Cicadidae 19  
 Cicurina  
     *brevis* 57  
     *placida* 58  
 Ciidae 109  
*Cirrula gigantea* 133  
*Cis levettei* 109  
 Cixiidae 20, 88  
 Cixius  
     *coelopium* 88  
     *misellus* 88  
     *pini* 88  
     sp. 88  
*Cladara limitaria* 152  
 Clastoptera  
     *obtusata* 82  
     *saintcyri* 82  
*Clemensia albata* 147

- Clepsis*  
*peritana* 173  
*persicana* 173  
 Cleridae 109  
*Clubiona*  
*bishopi* 57  
*canadensis* 57  
*riparia* 57  
 Clunionidae 57  
*Clytus ruricola* 106  
*Coccidophilus marginatus* 110  
*Coccinella septempunctata* 110  
 Coccinellidae 110  
*Cochylis aurorana* 173  
*Coelopa frigida* 130  
 Coelopidae 130  
 Coenagrionidae 76  
*Coenagrion resolutum* 76  
*Coenonympha tullia inornata* 167  
 Coleophora  
*alniella* 142  
*deauratella* 142  
*laricella* 142  
*mayrella* 142  
 Coleophoridae 141  
 Coleotechnites  
*canusella* 150  
*coniferella* 150  
 Colias  
*eurytheme* 169  
*interior* 169  
*philodice* 169  
 Colladonus  
*clitellarius* 84  
*setaceus* 22, 84  
*Collaria meillerii* 91  
 Colletes  
*simulans* 189  
 sp. 189  
 Colletidae 189  
 Collops  
*tricolor* 120  
*vittatus* 121  
*Colopterus truncatus* 121  
*Colymbetes sculptilis* 114  
*Condylolomia participalis* 170  
*Condylostylus*  
*flavipes* 131  
 sp. 131  
*Conocephalus*  
*brevipennis* 78  
*fasciatus* 78  
*Conotrachelus nenuphar* 111  
*Conura* sp. 175  
*Coquillettidia perturbans* 131  
*Corimelaena pulicaria* 96  
 Corinnidae 18, 57  
 Corixidae 90  
*Corticaria gibbosa* 119  
*Corynoptera* sp. 137  
*Corythucha*  
*bellula* 96  
*pallipes* 96  
*pergandei* 96  
*Cosmopepla bimaculata* 95  
 Cosmopterigidae 142  
*Cosmopterix fernaldella* 142  
*Costaconvexa centrostrigaria* 152  
*Crabro latipes* 194  
 Crabronidae 29, 193  
 Crambidae 142  
*Crambus*  
*agitatellus* 142  
*albellus* 142  
*bidens* 143  
*laqueatellus* 143  
*pascuellus* 143  
*perlellus* 143  
*praefectellus* 143  
*saltuellus* 143  
*unistriatellus* 143  
*Crematogaster cerasi* 179  
*Crenitis* sp. 118  
 Crossocerus  
*barbipes* 194  
*elongatulus* 194  
*nigricornis* 194  
*Cryphoeca montana* 58  
*Cryptocala acadensis* 162  
*Cryptocephalus*  
*gibbicollis* 108  
*notatus* 108  
*Ctenicera* sp. 116  
*Ctenucha virginica* 147  
*Cucullia convexipennis* 162  
*Culex pipiens* 131  
 Culicidae 131  
 Curculionidae 15, 110  
*Cyclophora pendulinaria* 152  
*Cyclosa conica* 56  
*Cyrcia tenera* 147  
*Cydia latiferreana* 173  
 Cydnidae 90  
*Cymbiodyta vindicata* 118  
 Cymidae 91  
*Cymindis limbata* 104  
*Cymus discors* 91  
*Cynomyia cadaverina* 130  
 Cyphon  
*confusus* 123  
*ruficollis* 123  
*variabilis* 123  
*Dagamaea tenuis* 73  
 Dalopius  
*cognatus* 116  
 sp. 116  
*Danaus plexippus* 168  
*Darapsa choerilus* 172  
*Dargida diffusa* 162  
 Dasydemellidae 98  
*Deloyala guttata* 108  
 Delphacidae 20, 88  
*Delphacodes campestris*.  
 See *Muirodelphax arvensis*  
*Delphinia picta* 141  
*Deltocephalus simplarius* 22, 84  
*Dendroctonus simplex* 111  
 Dendroides  
*canadensis* 122  
*concolor* 122  
*Denticollis denticornis* 116  
 Derbidae 20  
*Dermestes lardarius* 114  
 Dermestidae 114  
*Desmopachria convexa* 114  
 Desoria  
 sp. 72  
*tigrina* 72  
*Destria bisignata* 21, 22, 84  
*Deuterosternus rufus* 70  
*Diacme adipaloides* 143

- Dialytes*  
*striatulus* 122  
*ulkei* 122  
*Diaphnocoris provancheri* 92  
*Diarsia jucunda* 162  
*Diastata repleta* 131  
 Diastatidae 131  
*Dichelonyx linearis* 122  
*Dichomeris*  
*juncidella* 150  
*marginella* 150  
*ochripalpella* 150  
*Dichrorampha*  
*bittana* 173  
*n. sp. nr. sedatana* 173  
*sedatana* 173  
 Dictynidae 57  
*Dicymolomia julianalis* 143  
 Dicyrtomidae 70  
*Dicyrtomina minuta* 70  
*Digrammia continuata* 152  
*Dikraneura*  
*hungerfordi* 84  
*sp.* 21, 84  
*Dimecoenia spinosa* 133  
*Dioryctria disclusa* 170  
*Diplocephalus subrostratus* 61  
*Diplostyla concolor* 59  
*Diplotaxis atlantis* 122  
*Diplotoxa versicolor* 130  
*Dipoena nigra* 66  
 Diprionidae 175  
*Dircaea liturata* 120  
*Disonycha collata* 108  
*Dissosteira carolina* 77  
*Ditrichophora exigua* 134  
*Dolichoderus*  
*plagiatus* 179  
*pustulatus* 179  
*sp.* 179  
*taschenbergi* 179  
*Dolichomia olinalis* 170  
 Dolichopodidae 131  
*Dolichopus*  
*brevimanus* 131  
*marginatus* 131  
*pugil* 131  
*sp.* 132  
*Dolichovespula*  
*adulterina* 194  
*arenaria* 194  
*norvegicoides* 194  
*Donacaula*  
*longirostrella* 143  
*melinella* 143  
*Donacia caerulea* 108  
*Doratura stylata* 21, 84  
*Draeculacephala* 21  
*antica* 22, 84  
*mollipes* 84  
*robinsoni* 21, 85  
*sp.* 85  
*zeae* 21, 85  
*Drassyllus eremitus* 58  
*Drepana*  
*arcuata* 146  
*bilineata* 146  
 Drepanidae 146  
*Dromius piceus* 105  
*Drosophila* *sp.* 133  
 Drosophilidae 132  
*Dryocampa rubicunda* 171  
*Dryocoetes granicollis* 15, 111  
*Dryomyza*  
*anilis* 133  
*sp.* 133  
 Dryomyzidae 133  
*Dryophthorus americanus* 111  
*Dyschirius politus* 105  
*Dysstroma hersiliata* 152  
 Dytiscidae 114  
*Echmepteryx hageni* 98  
*Ecliptopera silaceata* 152  
*Ectemnius*  
*arcuatus* 193  
*continuus* 193  
*dives* 193  
*lapidarius* 193  
*maculosus* 193  
*Ectobius lapponicus* 25, 78  
*Ectopsocus meridionalis* 28  
*Ectropis crepuscularia* 152  
 Elachistidae 146  
*Elaphria*  
*alapallida* 162  
*versicolor* 162  
*Elasmotherus cruciatus* 90  
*Elasmucha lateralis* 90  
 Elateridae 15, 115  
*Elipsocus hyalinus* 28  
*Ellychnia corrusca* 119  
*Elophila icciusalis* 143  
*Elymana*  
*sp.* 85  
*sulphurella* 22, 85  
*Ematurga amitaria* 152  
 Emidae 117  
*Emmelina monodactyla* 169  
*Emmesa*  
*connectens* 120  
*labiata* 120  
*Empoasca*  
*fabae* 22, 85  
*junipera* 21, 85  
*querci* *var. gillettei*. See *Typhlocyba: latifasciata*  
*sp.* 85  
*vincula* 21, 85  
*Enallagma civile* 76  
*Enchenopa binotata* 89  
 Encyrtidae 175  
 Endomychidae 117  
*Enochrus*  
*consortus* 118  
*perplexus* 119  
*Enoplognatha ovata* 18, 66  
 Entedoninae *spp.* 176  
 Entiinae *spp.* 176  
*Entomobrya*  
*clitellaria* 70  
*nivalis* 70  
 Entomobryidae 70  
*Entomobryoides purpurascens* 71  
*Epeolus scutellaris* 189  
*Ephydra*  
*obscuripes* 134  
*subopaca* 134  
 Ephydriidae 17, 133  
*Epiblema brightonana* 173  
*Epinotia*  
*rectiplicana* 173  
*transmissana* 173  
*Epiphania cornutus* 118  
 Epipsocidae 27, 98

- Eiptera* 20  
*Episyron biguttatus* 193  
*Epuraea*  
   *aestiva* 121  
   *obtusicollis* 121  
   sp. 121  
   *truncatella* 121  
*Erebidae* 147  
*Erigone autumnalis* 61  
*Erigoninae* 17, 60  
*Eris*  
   *militaris* 65  
   sp. 65  
*Eristalinus aeneus* 138  
*Eristalis*  
   *dimidiatus* 138  
   *tenax* 138  
*Ernobius mollis* 100  
*Ero canionis* 64  
*Eros humeralis* 120  
*Erynnis juvenalis* 158  
*Estrandia grandaeva* 59  
*Eucharitidae* 176  
*Euchlaena*  
   *madusaria* 152  
   *marginaria* 152  
   *muzaria* 152  
*Eucnemidae* 118  
*Euconnus salinator* 126  
*Eucosma*  
   *derelecta* 173  
   *gloriola* 173  
   *tocullionana* 173  
*Eudonia vivida* 144  
*Eueretagrotis*  
   *attentus* 162  
   *perattentus* 162  
*Eufidonia discospilata* 153  
*Eulithis*  
   *explanata* 153  
   *propulsata* 153  
*Eulogia ochrifrontella* 170  
*Eulophidae* 176  
*Eulophinae* sp. 176  
*Eupelmidae* 176  
*Eupelminae* sp. 176  
*Euphyes vestris* 158  
*Euphyia unangulata interme-  
   diata* 153  
*Eupithecia*  
   *anticaria* 153  
   *miserulata* 153  
   *palpata* 153  
   sp. 153  
*Euplexia benesimilis* 162  
*Eurois stricta* 163  
*Eurhyphara hortulata* 144  
*Eurypogon niger* 101  
*Eurytomidae* 176  
*Eusarca confusaria* 153  
*Euscelis sordida* 21, 85  
*Euschistus variolarius* 95  
*Eusphalerum*  
   *convexum* 126  
   *pothos* 126  
*Eustixia pupula* 13, 144  
*Eutrapela clemataria* 153  
*Evacanthus*  
   *acuminatus*. See *Evacanthus*:  
     *orbitalis*  
   *orbitalis* 21, 85  
*Evagetes parvus* 193  
*Evarcha hoyi* 65  
*Evodinus monticola* 106  
  
*Feltia mollis* 163  
*Feralia comstocki* 163  
*Fissicrambus mutabilis* 144  
*Folsomia*  
   *nivalis* 73  
   *penicula* 73  
*Forcipata acclina* 21, 85  
*Forficula auricularia* 78  
*Forficulidae* 78  
*Formica*  
   *argentea* 29  
   *aserva* 30, 33, 179  
   *exsectoides* 180  
   *fusca* 29, 180  
   *glacialis* 29  
   *integra* 182  
   *lasioides* 30, 182  
   *neorufibarbis* 29, 183  
   *pallidefulva* 29, 183  
   *reflexa* 30  
   sp. 183  
   *subsericea* 183  
   *ulkei* 30  
*Formicidae* 29, 178  
*Framinghamia helvalis* 144  
*Frankliniella vaccinii* 79  
*Friesea* sp. 74  
*Frontinella communis* 59  
*Fulgoroidea* 19  
*Fulvius* sp. 92  
*Furcula modesta* 166  
  
*Gabrius* sp. 126  
*Geina* sp. 169  
*Gelae parile* 15, 120  
*Gelechiidae* 150  
*Geocoridae* 91  
*Geocoris bullatus* 91  
*Geometridae* 12, 151  
*Geomyza* sp. 136  
*Gerridae* 91  
*Gerris*  
   *buenoi* 91  
   *marginatus* 91  
   *remigis* 91  
*Glaucopsyche lygdamus* 159  
*Glenanthe litorea* 134  
*Glischrochilus sanguinolentus* 121  
*Gluphisia septentrionis* 166  
*Glyphipterix sistes* 13, 157  
*Glyptipterygidae* 157  
*Glyptocera consobrinella* 170  
*Gnaphosa*  
   *brumalis* 58  
   *muscorum* 58  
*Gnaphosidae* 18, 58  
*Gracillariidae* 157  
*Grammia*  
   *parthenice* 147  
   *virguncula* 147  
*Grammonota*  
   *angusta* 61  
   *gigas* 61  
*Graphocephala*  
   *coccinea*. See *Graphocephala*:  
     *picta*  
   *picta* 21, 85  
*Graphoderus cruciatus* 100

- Gryllidae 78  
*Gueneria similaria* 153  
*Gymnandrosoma punctidis-*  
*cana* 173  
*Gymnoclasia canifrons* 17, 134  
*Gymnopternus*  
*currani* 132  
*frequens* 132  
*nigribarbus* 132  
*Gyponana*  
*cacumina* 22, 86  
*serpenta* 22, 86  
 sp. 86  
*Gypsonoma adjuncta* 173  
 Gyrididae 118  
*Gyrinus*  
*affinis* 118  
*borealis* 118  
*sayi* 118  
  
*Habrosyne scripta* 146  
*Hadromorphus inflata* 116  
*Hagenella canadensis* 25, 81  
*Hahnia cinerea* 58  
 Hahniidae 58  
 Halictidae 190–194  
*Halictus*  
*confusus* 190  
*ligatus* 190  
*rubicundus* 190  
 Haliplidae 118  
*Haliplus immaculicollis* 118  
*Halticoptera* sp. 177  
*Halticus apterus* 92  
*Halysidota tessellaris* 147  
*Haploa confusa* 147  
*Harmonia axyridis* 110  
*Harpalus*  
*affinis* 105  
*pensylvanicus* 105  
*rufipes* 105  
*Harrisimemna trisignata* 163  
 Heleomyzidae 135  
*Hellinsia* sp. 170  
*Helophilus lapponicus* 17, 138  
*Hemaris thysbe* 172  
 Hemerobiidae 79  
*Hemerobius*  
*humulinus* 79  
  
*stigma* 79  
*Hemicrepidius brevicollis* 116  
*Hentziectypus globosa* 67  
 Hepialidae 157  
*Heringia* sp. 138  
*Herpetogramma*  
*abdominalis* 144  
*aeglealis* 144  
*theseusalis* 144  
 Hesperidae 157  
*Hesperocorixa*  
*interrupta* 90  
 sp. 90  
*Hesperumia sulphuraria* 153  
*Heterocampa*  
*biundata* 166  
*guttivitta* 166  
*umbrata* 166  
 Heteroceridae 15, 118  
*Heterocerus mollinus* 15, 118  
*Himatolabus pubescens* 101  
*Hister*  
*depurator* 118  
*furtivus* 118  
 Histeridae 118  
*Holcocera* sp. 142  
*Homaemus aeneifrons* 96  
*Homochlodes*  
*disconventa* 153  
*fritillaria* 154  
*lactispargaria* 154  
*Homoeosoma* sp. 170  
*Homoneura*  
*houghii* 135  
*shewelli* 135  
*Hoplitis producta* 192  
*Hulda impudens* 174  
*Hyaliodes harti* 92  
*Hyalophora columbia* 171  
*Hyalopsocus* 28, 99  
  
*Hybomitra zonalis* 140  
*Hydrellia*  
*formosa* 134  
*griseola* 134  
*valida* 134  
*Hydriomena renunciata* 154  
  
*Hydrocolus*  
*paugus* 114  
*persimilis* 114  
*stagnalis* 114  
 Hydrophilidae 118  
*Hydrophorus aestuum* 132  
*Hydroporus*  
*badiellus* 114  
*puberulus* 114  
*Hydropsyche betteni* 25, 80  
 Hydropsychidae 80  
*Hygrotus*  
*laccophilinus* 115  
*sayi* 115  
*Hylaeus*  
*affinis* 189  
*annulatus* 190  
*modestus* 190  
*verticalis* 190  
*Hylesinus aculeatus* 111  
*Hylobius*  
*congener* 111  
*warreni* 111  
*Hymenorus obesus* 127  
*Hypagyrtis piniata* 154  
*Hypena*  
*baltimoralis* 147  
*bijugalis* 147  
*eductalis* 148  
*scabra* 148  
*Hyphenodes fractilinea* 148  
*Hypera*  
*nigrirostris* 111  
*zoilus* 111  
*Hypogastrura*  
 sp. 72  
*sparta* 72  
 Hypogastruridae 72  
*Hypoprepia fucosa* 148  
*Hyppa xylinoides* 163  
*Hypselistes florens* 61  
*Hypsosinga pygmaea* 56  
  
 Ichneumonidae 176  
*Idaea dimidiata* 154  
*Idia*  
*aemula* 148  
*americalis* 148  
*rotundalis* 148

- Idiodonus*  
*kennicottii* 86  
*morsei* 86  
*Ilacora malina* 92  
*Ilybius*  
*biguttulus* 115  
*discedens* 115  
*Ilythea spilota* 134  
*Incertella insularis* 130  
*Incestophantes duplicatus* 59  
*Ips pini* 111  
*Iridopsis*  
*larvaria* 154  
*vellivolata* 154  
*Ironoquia punctatissima* 80  
*Ischnura verticalis* 76  
*Isochnus rufipes* 111  
*Isohydnocera curtipennis* 109  
*Isomira quadristriata* 127  
*Isotomidae* 72  
  
*Jalysus spinosus* 90  
*Javesella* 20  
*Judolia montivagans* 107  
*Junonia coenia* 168  
  
*Katiannidae* 73  
*Kelisia* 20  
*Keroplatinae* sp. 136  
*Kleidocerys resedae* 91  
*Korscheltellus gracilis* 157  
*Kosswigianella lutulenta* 20, 88  
*Kyboasca trilobata* 21, 86  
  
*Lacanobia*  
*atlantica* 163  
*grandis* 163  
*Laccocera* 20  
*Lachesilla* sp. 98  
*Lachesillidae* 98  
*Lacinipolia*  
*anguina* 163  
*lorea* 163  
*renigera* 163  
*Laevicephalus*  
*acus* 86  
*sp.* 86  
*Lambdina fiscellaria* 154  
  
*Lamenia*. See *Cedusa*  
*Lampyridae* 119  
*Larinioides patagiatus* 56  
*Lasiocampidae* 158  
*Lasioglossum* 35, 36  
*cinctipes* 191  
*coriaceum* 191  
*ressonii* 191  
*ellisiae* 191  
*leucozonium* 191  
*oblongum* 191  
*pilosum* 191  
*quebecense* 191  
*rufitarse* 191  
*sp.* 191  
*versans* 192  
*versatum* 192  
*Lasius*  
*alienus* 183  
*claviger* 29, 184  
*flavus* 184  
*interjectus* 178, 184  
*minutus* 184  
*neoniger* 30, 184  
*pallitarsis* 30, 184  
*sp.* 185  
*subumbratus* 185  
*umbratus* 185  
*Latalus*  
*ocellaris* 21, 86  
*personatus* 86  
*sayi*. See *Latalus: personatus*  
*Lateroligia ophiogramma* 13, 163  
*Lathrobium*  
*scolopaceum* 126  
*sparsellum* 126  
*Lathys pallida* 58  
*Latridiidae* 119  
*Lauxaniidae* 135  
*Leiodidae* 15, 119  
*Lepidocyrtus*  
*pallidus* 71  
*paradoxus* 26, 71  
*violaceus* 71  
*Lepidoposocidae* 98  
*Lepidostoma carrolli* 25, 80  
*Lepidostomatidae* 80  
  
*Lepthyphantes*  
*alpinus* 59  
*turbatrix* 59  
*Leptocetes basalis* 120  
*Leptocera* sp. 138  
*Leptoceridae* 80  
*Leptothorax muscorum* 185  
*Lepturobosca chrysocoma* 107  
*Lestes rectangularis* 77  
*Lesteva pallipes* 126  
*Lestidae* 77  
*Lethe*  
*anthon* 168  
*eurydice* 168  
*Lethocerus americanus* 90  
*Leucania multilinea* 163  
*Leuconycta*  
*diptheroides* 163  
*lepidula* 163  
*Leucorrhinia*  
*frigida* 76  
*hudsonica* 77  
*proxima* 77  
*Leuctra ferruginea* 25, 77  
*Leuctridae* 77  
*Libellula*  
*pulchella* 77  
*semifasciata* 77  
*Libellulidae* 76  
*Liburniella* 20  
*Ligyrocoris*  
*diffusus* 96  
*sylvestris* 96  
*Limacodidae* 158  
*Limenitis*  
*archippus* 168  
*arthemis arthemis* 168  
*Limnaecia phragmitella* 142  
*Limnephilidae* 80  
*Limnephilus*  
*moestus* 80  
*ornatus* 80  
*submonilifer* 25, 80  
*Limnia*  
*boscii* 137  
*conica* 137  
*Limnporus dissortis* 91  
*Limonium aeger* 116



- Limotettix*  
*cuneatus*. See *Limotettix*:  
*schedia*  
*humidus* 86  
*schedia* 21, 86  
*vaccinii* 86
- Linyphia triangularis* 6, 60  
Linyphiidae 17, 18, 59, 60  
Linyphiinae 59
- Liodessus fuscatus* 115  
*Liohippелates pallipes* 130  
*Liosarcophaga sarracenioides* 17,  
137
- Liotrichus spinosus* 117  
*Listronotus sparsus* 111  
*Lithacodes fasciola* 158  
*Livia* sp. 97
- Lobophora nivigerata* 154  
*Lochmaeus manteo* 166  
*Lomographa vestaliata* 154  
*Lonchaea* sp. 135  
Lonchaeidae 135  
Lonchoptera  
*bifurcata* 135  
sp. 135  
Lonchopteridae 135
- Lophocampa*  
*caryae* 148  
*maculata* 148
- Lopidea* sp. 92
- Lordithon*  
*facilis* 126  
*fungicola* 126
- Loxocera* sp. 136
- Hydrelia* 154  
*Lucidota atra* 119  
*Lucilia illustris* 130
- Lycaena*  
*epixanthe* 159  
*phlaeus americana* 159
- Lycaenidae 158  
Lycidae 120  
*Lycomorpha pholus* 148  
*Lycophotia phyllophora* 163  
Lycosidae 63  
Lygaeidae 91  
*Lygaeus kalmii* 91
- Lygocoris*  
*contaminatus* 92  
sp. 92  
*viburni* 23, 92  
*vitticollis* 92
- Lygropia rivulalis* 144
- Lygus*  
*lineolaris* 92  
sp. 92
- Macaria*  
*bisignata* 154  
*fissinotata* 154  
*marmorata* 13, 154  
*masquerata* 155  
*pinistrobata* 13, 155  
*ulsterata* 155
- Machilidae 76
- Macrochilo absorptalis* 148
- Macrosteles*  
*divisus*. See *Macrosteles*:  
*fascifrons*  
*fascifrons* 21, 87  
*galeae* 21, 87  
*quadrilineatus* 22, 87
- Magdalis* sp. 112
- Malacosoma*  
*americana* 158  
*distria* 158
- Maliattha synochitis* 164
- Malthodes*  
*concaucus* 101  
*fragilis* 102  
*parvulus* 102
- Mamestra curialis* 164
- Mantura chrysanthemii* 108
- Margarinotus*  
*brunneus* 118  
*faedatus* 118
- Megachile* 35  
*gemula* 192  
*melanophaea* 192
- Megachilidae 192–194
- Megaloceroea recticornis* 53
- Megalothorax minimus* 74
- Megamelus*  
*metzaria* 20, 22, 88  
sp. 89
- Meioneta*  
*simplex* 60  
*unimaculata* 60  
*zygia* 60
- Melanchra adjuncta* 164
- Melandryidae 120
- Melanolophia*  
*canadaria* 155  
*signataria* 155
- Melanoplus*  
*bivittatus* 77  
*sanguinipes* 78  
sp. 78
- Melanostoma mellinum* 138
- Melanotus*  
*communis* 117  
*dichrous* 15, 117  
*similis* 117
- Meleoma emuncta* 79
- Meligethes simplipes* 121
- Melissodes illata* 189
- Melyridae 120
- Membracidae 19, 89
- Mermessus*  
*entomologicus* 62  
*trilobatus* 62
- Mesaphorura*  
*macrochaeta* 76  
*silvicola* 76
- Mesopsocidae 27, 98
- Mesopsocus laticeps* 27, 98
- Mesothea incertata* 155
- Mesovelia mulsanti* 91
- Mesoveliidae 91
- Metalectra quadrisignata* 148
- Metanema inatomaria* 155
- Meta ovalis* 66
- Metarranthis*  
*amyrisaria* 155  
*duaria* 155  
*indeclinata* 155
- Metriocnemus* sp. 24, 76
- Metriopectera roeselii* 78
- Metylophorus*  
*novascotiae* 99  
*purus* 28, 100
- Metzneria lappella* 150

- Micaria*  
*gertschi* 58  
*pulicaria* 58  
*Micraphorura absoloni* 74  
*Microcrambus elegans* 144  
*Microdon globosus* 17, 139  
*Microgastrinae* sp. 175  
*Microlinyphia mandibulata* 60  
*Microneta viaria* 60  
*Microwelia albonotata* 23, 97  
*Milchiidae* 136  
*Mimetidae* 64  
*Minettia lupulina* 135  
*Miridae* 23, 91  
*Misumena vatia* 69  
*Mompha* sp. 142  
*Monochamus scutellatus* 107  
*Monopis*  
*dorsistrigella* 172  
*monachella* 172  
*Monotomidae* 121  
*Mordellaria serval* 121  
*Mordellidae* 15, 121  
*Mordellistena*  
*bifasciatus* 15, 121  
*scapularis* 15, 121  
*syntaenia* 15, 121  
*tosta* 121  
*Mormidea lugens* 95  
*Morrisonia latex* 164  
*Muirodelphax arvensis* 20  
*Mulsantia picta* 110  
*Mumetopia* sp. 129  
*Mycetina perpulchra* 117  
*Mycetochara fraterna* 128  
*Mycetophilidae* 136  
*Mycomya* sp. 136  
*Myelopsis subtetricella* 170  
*Myrmica*  
*americana* 185  
*detritinodis* 30, 33, 185  
*fracticornis* 30, 186  
*rubra* 33, 34, 186  
 sp. 186  
*Mythimna unipuncta* 164
- Nabidae* 94  
*Nabis*  
*americoferus* 94  
*roseipennis* 94  
*Nadata gibbosa* 166  
*Neanura muscorum* 74  
*Neanuridae* 73  
*Necrodes surinamensis* 124  
*Necrophila americana* 124  
*Neelidae* 74  
*Neelides minutus* 74  
*Nehalennia irene* 76  
*Nematocampa resistaria* 155  
*Nemoria*  
*mimosaria* 155  
*rubrifrontaria* 155  
*Neoantistea*  
*agilis* 58  
*magna* 58  
*Neodactria*  
*caliginosellus* 144  
*luteolellus* 144  
*zeellus* 144  
*Neohcalus lineatus* 22, 87  
*Neokolla hieroglyphica* 87  
*Neonemobius palustris* 78  
*Neon nellii* 65  
*Neophilaenus lineatus* 20, 82  
*Neoporus undulatus* 115  
*Neortholomus scolopax* 91  
*Neoscona arabesca* 56  
*Neospintharus trigonum* 67  
*Neotelphusa ca. querciella* 151  
*Neottiura bimaculata* 67  
*Nepidae* 95  
*Nepticulidae* 159  
*Nerienne radiata* 60  
*Neurocolpus nubilus* 93  
*Nicrophorus*  
*defodiens* 124  
*orbicollis* 124  
*sayi* 124  
*tomentosus* 124  
*Nitidolimonius resplendens* 117  
*Nitidotachinus tachyporoides* 126  
*Nitidulidae* 121  
*Noctua pronuba* 13, 164  
*Noctuidae* 159
- Noctuoidea* 12  
*Nomophila nearctica* 144  
*Notiophilus*  
*aquaticus* 105  
*novemstriatus* 105  
*Notiphila*  
*bispinosa* 134  
*olivacea* 134  
*pallidipalpis* 134  
*Notodontia scitipennis* 166  
*Notodontidae* 166  
*Notonecta*  
*insulata* 95  
*irrorata* 95  
*undulata* 95  
*Notonectidae* 95  
*Nymphalidae* 167  
*Nymphalis antiopa* 168  
*Nysson lateralis* 193
- Ochlerotatus*  
*canadensis* 131  
*cantator* 131  
*japonicus japonicus* 131  
*punctor* 131  
*sollicitans* 131  
*Ochropleura implecta* 164  
*Ochthera anatolikos* 134  
*Oebalia* sp. 137  
*Oecetis inconspicua* 80  
*Oedothorax trilobatus* 62  
*Olethreutes*  
*albiciliana* 174  
*olivaceana* 174  
*trinitana* 174  
*valdanum* 174  
*viburnanum* 174  
*Olibrus lecontei* 15, 122  
*Oligocentria*  
*lignicolor* 166  
*semirufescens* 167  
*Omosita discoidea* 122  
*Oncopsis*  
*concurrans* 21, 87  
*crispae* 22, 87  
*flavidorsum* 21, 87  
*minor* 21, 87  
*Oneida lunulalis* 170

- Ontholestes cingulatus* 126  
*Onthophagus nuchicornis* 122  
 Onychiuridae 74  
 Opomyzidae 136  
*Orchesella*  
     *cincta* 26, 71  
     *hexfasciata* 72  
     *villosa* 26, 72  
*Orchestes pallicornis* 112  
*Oreana unicolorella* 171  
*Oreta rosea* 146  
*Orius insidiosus* 90  
*Orthodes*  
     *cynica* 164  
     *detracta* 164  
*Orthofidonia tinctoria* 155  
*Ortholepis pasadamia* 171  
*Osmia*  
     *atriventris* 192  
     *simillima* 192  
*Otiocerus* 20  
*Otiorhynchus*  
     *ligneus* 112  
     *ovatus* 112  
     *singularis* 112  
     *sulcatus* 112  
*Oxysarcodexia ventricosa* 137  
*Oxytelus* sp. 126  
*Ozodiceromyia argentata* 141  
  
*Pachybrachis*  
     *nigricornis* 108  
     sp. 108  
*Paederus littorarius* 126  
 Pallopteridae 136  
*Pandemis limitata* 174  
*Pandivirilia conspicua* 141  
*Pangrapta decoralis* 148  
*Panopoda rufimargo* 149  
*Panorpa subfurcata* 81  
 Panorpidae 81  
*Panthea*  
     *acronyctoides* 164  
     *furcilla* 165  
*Paonias*  
     *excaecatus* 172  
     *myops* 172  
*Papilio canadensis* 169  
  
 Papilionidae 169  
*Paraclius claviculatus* 132  
*Paracymus*  
     *despectus* 119  
     *subcupreus* 119  
*Parallelia bistriaris* 149  
*Paramyia* sp. 136  
*Paraphlepsius*  
     *fulvidorsum* 87  
     *irroratus* 87  
*Parapsyche apicalis* 80  
*Parasitica* 28, 29, 175  
*Parasteatoda*  
     *tabulata* 67  
     *tepidariorum* 67  
*Paratenetus punctatus* 128  
*Pardosa*  
     *distincta* 63  
     *groenlandica* 63  
     *hyberborea* 63  
     *lapidicina* 63  
     *modica* 63  
     *moesta* 63  
     *palustris* 18  
     *xerampelina* 64  
*Parectecephala eucera* 130  
*Paria fragariae* 109  
*Parisotoma notabilis* 73  
*Parydra*  
     *appendiculata* 134  
     *borealis* 134  
     *quadriloba* 134  
     *quadrıtuberculata* 134  
*Passalocus*  
     *cuspidatus* 194  
     *monilicornis* 194  
     *singularis* 194  
*Patara* 20  
*Pediasia trisecta* 145  
*Pelastoneurus lamellatus* 132  
*Pelegrina flavipes* 65  
*Pelomyiella mallochi* 140  
*Pemphredon lethifer* 194  
 Pentatomidae 95  
*Peoria approximella* 171  
*Perdita octomaculata* 188  
*Peridea ferruginea* 167  
*Perillus exaptus* 95  
  
 Peripsocidae 28, 98  
*Peripsocus*  
     *alboguttatus* 28, 98  
     *madidus* 98  
     sp. 98  
     *subfasciatus* 98  
*Perizoma*  
     *alchemillata* 13, 155  
     *basaliata* 155  
*Pero morrisonaria* 155  
 Peteromalinae spp. 177  
*Petrobius brevistylus* 24, 76  
*Petrophora subaequaria* 155  
*Phaenicia*  
     *coeruleiviridis* 130  
     *sericata* 130  
*Phaenops fulvoguttata* 101  
 Phalacridae 15, 122  
*Phalaenostola*  
     *eumelusalis* 149  
     *larentioides* 149  
     *metonalis* 149  
*Phaneta*  
     *formosana* 174  
     *marmontana* 174  
     *parmatana* 174  
*Phantyna bicornis* 58  
*Phellopsis obcordata* 129  
*Philaenarcys spartina* 20, 22, 83  
*Philaenus*  
     *bilineata*. See *Philaenarcys*  
     *spartina*  
     *spumarius* 20, 83  
 Philodromidae 65  
*Philodromus exilis* 65  
*Philonthus*  
     *caeruleipennis* 126  
     *sericinus* 126  
 Philopotamidae 80  
 Philotarsidae 99  
*Philotarsus parviceps* 28, 99  
 Phloeothripidae 79  
*Phlogophora*  
     *iris* 165  
     *periculosa* 165  
*Phlyctaenia coronata* 145  
 Pholcidae 65  
*Pholcus phalangioides* 65

- Photuris*  
*fairchildi* 15, 119  
*pennsylvanica* 119  
*Phragmatobia assimilans* 149  
*Phratora purpurea* 109  
*Phrurotimpus borealis* 57  
 Phryganeidae 81  
*Phtheochroa* sp. 174  
*Phyciodes cocyta* 168  
*Phycitodes reliquella* 171  
*Phyllobaenus*  
*humeralis* 110  
*lecontei* 110  
*Phyllobius*  
*intrusus* 112  
*oblongus* 112  
*Phyllobrotica decorata* 109  
*Phyllodesma americana* 158  
*Phyllodinus* 20  
*Phyllomyza* sp. 136  
*Phyllophaga anxia* 122  
*Phyllotreta striolata* 109  
*Phytocoris*  
*neglectus* 93  
 sp. 93  
*Phytoliriomyza* sp. 129  
*Phytomyzinae* sp. 129  
*Picromerus bidens* 96  
*Pidonia ruficollis* 107  
 Pieridae 169  
*Pieris rapae* 169  
*Pigritia* sp. 142  
 Pipunculidae 136  
*Pipunculus* sp. 136  
*Pirata*  
*insularis* 64  
*minutus* 64  
*piraticus* 64  
*Pireninae* sp. 175  
*Pissodes*  
*fiskei* 112  
 sp. 112  
*Pissonotus* 20  
 sp. 89  
*Pityohyphantes subarcticus* 60  
*Plagiognathus*  
*alboradialis* 93  
*flavicornis* 23, 93  
*obscurus* 93  
 sp. 93  
*Plagadis*  
*alcoolaria* 155  
*phlogosaria* 156  
*pulveraria occiduaria* 156  
*serinaria* 156  
*Platarcta parthenos* 149  
*Plateros* sp. 120  
*Plateumaris rufa* 109  
*Platnickina tincta* 67  
*Platycentropus*  
*indistinctus* 25, 80  
*radiatus* 80  
*Platycheirus*  
*quadratus* 139  
*rosarum* 139  
*Platydracus viridanus* 126  
*Platynus*  
*decens* 105  
*mannerheimii* 105  
*Pleuroprucha insularia* 156  
*Plutella xylostella* 169  
 Plutellidae 169  
*Poanes hobomok* 158  
*Pocadicnemis americana* 62  
 Pococera  
*asperatella* 171  
*melanogrammos* 171  
 Podabrus  
*diadema* 102  
*intrusus* 102  
*limbellus* 102  
*puberulus* 102  
*punctatus* 102  
 sp. 102  
*Poeciloneta*  
*bihamatus* 60  
*calcaratus* 60  
*Pogonognathellus* sp. 75  
 Polia  
*imbrifera* 165  
*nimbosa* 165  
*purpurissata* 165  
 sp. 165  
*Polistes fuscatus* 194  
 Polites  
*mystic* 158  
*themistocles* 158  
 Polycentropodidae 81  
 Polycentropus  
*albipunctus* 81  
*clinei* 25, 81  
*pentus* 81  
 Polydrusus  
*cervinus* 112  
*sericeus* 15, 113  
*Polygonia interrogationis* 168  
*Polygraphus rufipennis* 113  
*Polymerus venaticus* 93  
*Polytrichophora conciliata* 134  
 Pompilidae 29, 193  
*Porrhomma pallidum* 18  
 Prepops  
*circumcinctus* 93  
 sp. 94  
*Probole alienaria* 156  
*Prokelisia dolus* 20, 22, 89  
*Propylea quatuordecimpunctata* 110  
*Prosimulium mixtum* 137  
*Prosternon mediana* 117  
*Protaphorura armata* 74  
*Proteinus limbatus* 15, 126  
*Protenor belfragei* 90  
*Protozoarmia porcelaria* 156  
 Protodeltote  
*albidula* 165  
*muscosula* 165  
*Proxenus miranda* 165  
*Psammotettix lividellus* 87  
*Psenulus pallipes* 194  
*Pseudachorutes indiana* 74  
*Pseudamara arenaria* 105  
*Pseudanostirus triundulatus* 117  
*Pseudanthonomus validus* 113  
*Pseudeustrotia carneola* 165  
*Pseudexentera kalmiana* 174  
*Pseudodinia* sp. 130  
*Pseudometagea* sp. 176  
*Pseudorthodes vecors* 165  
*Pseudosinella*  
*alba* 72  
*violenta* 72  
*Pseudostenophylax sparsus* 80  
*Pseudotelphusa* sp. 151

- Pseudothyatira cymatophoroides* 146  
 Psilidae 136  
*Psilocorsis quercicella* 141  
 Psocidae 99  
*Psocus slossonae*. See *Trichadenotecnium quaesitum*  
*Psyche casta* 169  
 Psychidae 169  
 Psychodidae 136  
*Psylla* sp. 97  
 Psyllidae 19, 97  
*Psylliodes affinis* 109  
*Psyllobora vigintimaculata* 110  
*Ptenothrix*  
     *atra* 70  
     *marmorata* 70  
 Pteromalidae 177  
 Pterophoridae 169  
*Pterostichus*  
     *coracinus* 105  
     *patruelis* 105  
     *pensylvanicus* 105  
*Ptilostomis ocellifera* 25, 81  
*Ptycta polluta* 100  
*Publilia concava* 89  
*Pycnopsyche scabripennis* 80  
*Pygmarrhopalites*  
     *benitus* 69  
     sp. 69  
*Pyla fusca* 171  
*Pyractomena*  
     *angulata* 119  
     sp. 119  
 Pyralidae 170  
 Pyrochroidae 122  
*Pyrharractia isabella* 149  
  
*Quedius peregrinus* 126  
  
*Raphia frater* 165  
*Raphiptera argillaceus* 145  
*Renia flavipunctalis* 149  
*Renia sobrialis* 149  
*Rhagio*  
     *mystaceus* 136  
     sp. 136  
 Rhagionidae 136  
  
*Rhagonycha*  
     *fraxini* 102  
     *imbecillis* 103  
     *mollis* 103  
     *nanula* 15, 103  
     *oriflava* 103  
     *recta* 104  
     *scitula* 104  
     sp. 104  
*Rhegmoclema* sp. 137  
*Rheumaptera*  
     *hastata* 156  
     *prunivorata* 156  
*Rhizophagus dimidiatus* 121  
*Rhopobota finitimana* 174  
*Rhyacophila invaria* 81  
 Rhyacophilidae 81  
*Rhyncolus*  
     *brunneus* 113  
     *macrops* 113  
 Rhyparochromidae 96  
*Ribautiana unca* 22, 87  
*Robertus*  
     *banksi* 68  
     *borealis* 68  
     *riparius* 68  
*Ropalopus sanguinicollis* 107  
*Rugathodes sexpunctatus* 68  
  
*Salebriaria*  
     *engeli* 171  
     *roseopunctella* 13, 171  
 Salticidae 18, 65  
*Salticus scenicus* 65  
*Saperda*  
     *candida* 107  
     *imitans* 107  
*Sapromyza rotundicornis* 135  
*Sarcophaga* sp. 137  
 Sarcophagidae 136  
*Satilatlas marxii* 62  
 Saturniidae 171  
*Scaphisoma rubens* 127  
*Scaphoideus*  
     *carinatus* 87  
     *jannus* 21, 87  
     sp. 87  
  
*Scaphytopius*  
     *acutus* 88  
     *vaccinium* 88  
*Scaptomyza*  
     *pallida* 133  
     sp. 133  
 Scarabaeidae 122  
*Scatella*  
     *favillacea* 135  
     *picea* 135  
     *tenuicosta* 135  
 Scatopsidae 137  
*Schinia florida* 165  
*Schizura*  
     *badia* 167  
     *ipomoeae* 167  
     *unicornis* 167  
*Sciaphilus asperatus* 113  
 Sciaridae 137  
*Sciastes* 18  
     *extremus* 18  
     *truncatus* 62  
*Sciudreoides terminans* 120  
 Sciomyzidae 137  
*Scironis tarsalis* 62  
 Scirtidae 123  
*Scoliopteryx libatrix* 149  
*Scoparia*  
     *basalis* 145  
     *biplagiatis* 145  
*Scopula limboudata* 156  
 Scrautiidae 123  
 Scutelleridae 96  
*Sehirus cinctus* 90  
*Selatosomus*  
     *appropinquans* 117  
     *splendens* 117  
*Selenia kentaria* 156  
*Senotainia* sp. 137  
 Sepsidae 137  
*Sepsidomorpha* sp. 137  
*Sergiolus ocellatus* 58  
*Serica atracapilla* 123  
*Sericus honestus* 117  
 Sesiidae 171  
*Sideridis maryx* 165  
*Sigara* sp. 90  
 Silphidae 124

- Simuliidae 137  
*Simulium*  
   *croxtoni* 137  
   *fionae* 137  
   *jenningsi* 138  
   *silvestre* 138  
   *venustum* 138  
*Sisicottus montanus* 62  
*Sisicus penifusifer* 62  
*Sitochroa*  
   *chortalis* 145  
   *palealis* 13, 145  
*Sitona*  
   *lepidus* 15, 113  
   *lineellus* 113  
*Sitticus*  
   *floricola palustris* 65  
   *striatus* 65  
*Slaterocoris* sp. 94  
*Sminthuridae* 74  
*Sminthurides lepus* 75  
*Sminthurinus*  
   *latimaculosus* 73  
   *quadrimaculatus* 74  
*Sminthurus* sp. 75  
*Sogatella kolophon* 20, 89  
*Spaelotis clandestina* 165  
*Spargania magnoliata* 156  
*Sparganothis*  
   sp. 174  
   *xanthoides* 174  
*Speyeria*  
   *atlantis* 168  
   *cybele* 168  
*Sphaeroceridae* 138  
*Sphaeroderus*  
   *canadensis* 105  
   *stenostomus lecontei* 105  
*Sphaerophoria*  
   *contigua* 139  
   sp. 139  
*Sphecidae* 29, 194  
*Sphecodes*  
   *confertus* 192  
   sp. 192  
*Sphenophorus parvulus* 113  
*Sphingidae* 171  
*Sphinx*  
   *kalmiae* 172  
   *poecila* 172  
*Spilonota ocellana* 174  
*Spilosoma*  
   *congrua* 149  
   *virginica* 149  
*Spiramater lutra* 165  
*Staphylinidae* 15, 125  
*Steatoda*  
   *bipunctata* 68  
   sp. 68  
*Stenammas diecki* 186  
*Stenelmis cheryl* 117  
*Stenocranus* 20  
*Stenodema*  
   *pilosipes* 23, 94  
   *trispinosa* 94  
   *vicina* 94  
*Stenolophus*  
   *conjunctus* 106  
   *lineola* 106  
*Stenopsocidae* 100  
*Stenotrachelidae* 127  
*Stenus*  
   *austini* 15, 127  
   *colonus* 127  
*Stephanitis rhododendri* 97  
*Sternorrhyncha* 97  
*Stictocephala basalis* 89  
*Stigmella* sp. 159  
*Stobaera* 20  
*Strangalepta abbreviata* 107  
*Strophosoma melanogram-*  
   *mum* 113  
*Stygnocoris sabulosus* 96  
*Suillia* sp. 135  
*Sumitrosis inaequalis* 109  
*Sycophila* sp. 176  
*Symmerista*  
   *albifrons* 167  
   sp. 167  
*Sympetrum*  
   *obtrusum* 77  
   *rubicundulum* 77  
   *vicinum* 77  
*Symphora*  
   *flavicollis* 120  
   *rugosa* 120  
*Sympistis*  
   *dentata* 165  
   *perscripta* 13, 166  
*Synanthedon acerni* 171  
*Synchlora aerata* 156  
*Syndemis afflictana* 174  
*Syngrapha*  
   *abstrusa* 166  
   *alias* 166  
   *cryptica* 166  
*Syntomus americanus* 106  
*Synuchus impunctatus* 106  
*Syrphidae* 17, 138  
*Syrphus vitripennis* 139  
  
*Tabanidae* 140  
*Tabanus* sp. 140  
*Tachinidae* 140  
*Tachinus*  
   *fumipennis* 127  
   *luridus* 127  
*Tachyporus nitidulus* 127  
*Tachysphex tarsatus* 193  
*Tacparia*  
   *atropunctata* 156  
   *detersata* 157  
*Talavera minuta* 65  
*Taleporia walshella* 169  
*Taniva albolineana* 174  
*Tapinocyba simplex* 62  
*Tapinoma sessile* 17, 33, 187  
*Tegenaria domestica* 55  
*Telamona gemma* 21, 89  
*Teliapsocus conterminus* 98  
*Temnothorax*  
   *ambiguus* 32, 187  
   *longispinosus* 32, 187  
*Tenebrionidae* 127  
*Tenebrio obscurus* 128  
*Tenuiphantes zebra* 60  
*Tephritidae* 140  
*Tephritis angustipennis* 140  
*Tetanocera*  
   *clara* 137  
   *plebeja* 137  
   *valida* 137  
*Tethinidae* 140

- Tetracis*  
*cachexiata* 157  
*crocallata* 157  
*Tetragnatha*  
*extensa* 66  
*laboriosa* 66  
*straminea* 66  
*viridis* 66  
 Tetragnathidae 66  
*Tetramesa* sp. 176  
 Tetrastichinae spp. 176  
 Tettigoniidae 78  
*Thaumatomyia*  
*glabra* 130  
*pulla* 130  
*Thereva strigipes* 141  
 Therevidae 141  
 Theridiidae 18, 66  
*Theridion*  
*differens* 68  
*emertoni* 68  
*frondeum* 68  
*pictum* 68  
 sp. 69  
*tinctum* 69  
*varians* 69  
*Theridiosoma gemmosum* 69  
 Theridiosomatidae 69  
*Theridula emertoni* 69  
 Thomisidae 69  
 Thripidae 79  
 Throscidae 128  
 Thyreocoridae 96  
*Tibellus oblongus* 65  
*Tibicen canicularis* 20  
 Tineidae 172  
 Tingidae 23, 96  
*Tmarus angulatus* 69  
 Tomoceridae 26, 75  
*Tomocerus*  
*minor* 26, 75  
*vulgaris* 76  
*Tomosvaryella* sp. 136  
 Tortricidae 172  
*Tortricidia testacea* 158  
 Torymidae 177  
*Toxomerus*  
*geminatus* 139  
*marginatus* 139  
*Toxoneura superba* 136  
*Trachysida mutabilis* 107  
*Tragosoma depsarium* 108  
*Trechus apicalis* 106  
*Trichadenotecnum*  
*slossonae* 28, 100  
 sp. 100  
*Trichadenotecnum quaesitum* 28  
*Trichiotinus*  
*affinis* 123  
*assimilis* 123  
*Trichocorixa verticalis* 90  
*Tricholochmaea*  
*cavicollis* 109  
*decora* 109  
*kalmiae* 109  
*vaccinii* 109  
*Trichordestra legitima* 166  
*Trigonotylus*  
*coelestialium* 23, 94  
*ruficornis* 23, 94  
*tarsalis* 23, 94  
*uhleri* 23, 94  
*Trisapromyza vittigera* 135  
*Trixagus carinicolis* 128  
*Trochosa*  
*ruricola* 64  
*terricola* 64  
 Trogidae 128  
 Trogiidae 27, 100  
*Trox variolatus* 128  
*Trypoxylon frigidum* 193  
 Tullbergiidae 76  
*Tulsa finitella* 171  
*Tumidagenia terminalis* 20, 22, 89  
*Tychius stephensi* 114  
*Typhlocyba*  
*latifasciata* 21, 88  
 sp. 88  
*Udea*  
*inquinalis* 145  
*rubigalis* 145  
 Ulidiidae 141  
*Ulolonche modesta* 166  
*Urola nivalis* 146  
*Uzelia* sp. 73  
*Valenzuela*  
*boreus* 27, 97  
*flavidus* 97  
*graminis* 28  
*pinicola* 27, 98  
 sp. 98  
*Vanessa*  
*atalanta* 168  
*cardui* 168  
*virginiensis* 169  
*Vaxi auratella* 146  
 Veliidae 23, 97  
*Venusia cambrica* 157  
*Vermontia thoracica* 62  
*Verrallia* sp. 136  
*Vertagopus* sp. 73  
 Vespidae 29, 194  
*Wadotes calcaratus* 55  
*Walckenaeria*  
*atrotibalis* 62  
*brevicornis* 62  
*castanea* 62  
*communis* 62  
*digitata* 63  
*directa* 63  
*exigua* 63  
*lepida* 63  
*spiralis* 63  
*tibialis* 63  
*Wesmaelius longifrons* 79  
*Willemia intermedia* 72  
*Wormaldia moesta* 80  
*Wubana pacifica* 60  
*Xanthocaecilius*  
*sommermanae* 27, 98  
 sp. 98  
*Xanthorhoe*  
*abrasaria* 157  
*ferrugata* 157  
*iduata* 157  
*Xanthotype urticaria* 157  
*Xenylla affinisformis* 26  
*Xestia*  
*homogena* 166  
*imperita* 166  
*oblata* 166



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*Xestocephalus fulvocapitatus* 22,

88

*Xyleborus dispar* 114

*Xylota annulifera* 140

*Xysticus emertoni* 69

Yponomeutidae 174

*Ypsolopha dentella* 175

Ypsolophidae 175

Zale

*aeruginosa* 150

*duplicata* 150

*horrida* 150

*lunata* 150

*minerea* 150

Zanclognatha

*lituralis* 150

*marcidilinea* 150

*Zelotes fratris* 58

Zopheridae 129

*Zygiella* sp. 56