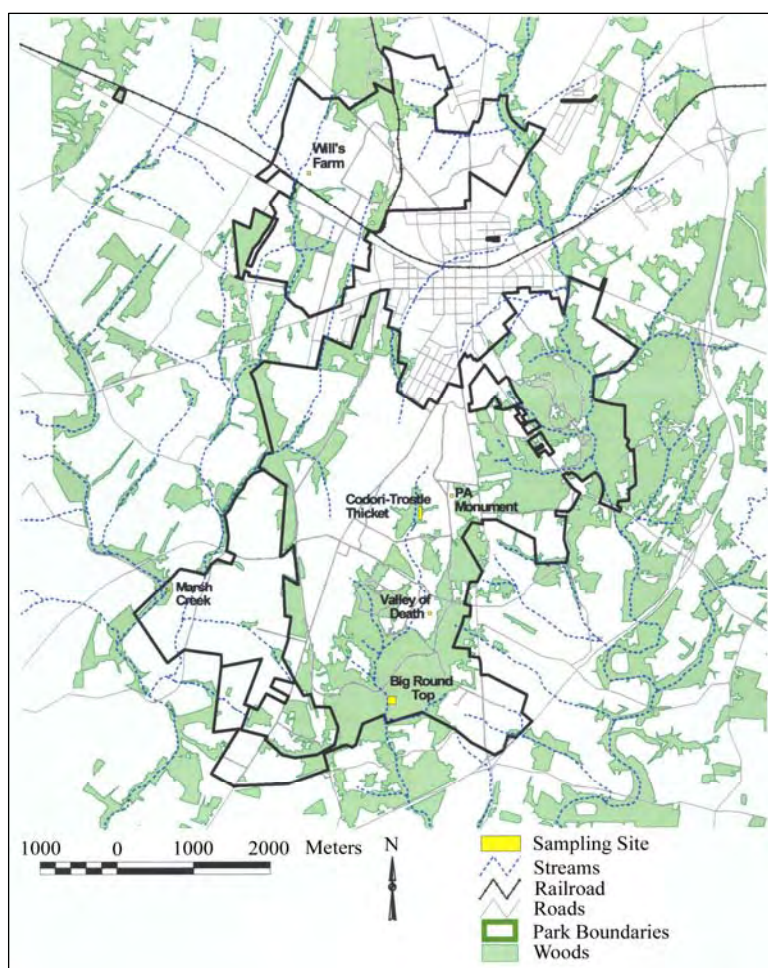




Ecological Analysis of Arthropod Diversity and Development of a Monitoring Plan for Gettysburg National Military Park and Eisenhower National Historic Site

Technical Report NPS/NER/NRTR—2009/143



ON THE COVER

Image on left is Figure 1. Locations of invertebrate sampling conducted in 1999 and 2000 at Gettysburg National Military Park and Eisenhower National Historic Site. Top right photo: two technicians examining the collection sheet for insects. Lower right photo: Parts of a portable light trap with battery and collection boxes.

Photographs by: Ke Chung Kim, 2001.

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Technical Report NPS/NER/NRTR—2009/143

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U.S. Department of the Interior
National Park Service
Northeast Region
Philadelphia, Pennsylvania

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Executive Summary

This project is the follow-up to an earlier project, Inventory of Invertebrates at Gettysburg National Park (GETT) and Eisenhower National Historic Site (EISE), with Special Reference to Forest Removal completed in 2001. As the General Management Plan for GETT recommended, the National Park Service has cleared forested land to restore the open vistas of the 1863 battle landscapes and is managing some forested lands as woodlots. To detect possible impacts from this landscape modification on ecological communities and the ecosystem at large, we inventoried and assessed invertebrate biodiversity in GETT/EISE. This inventory serves as baseline data for GETT/EISE invertebrate biodiversity at sites with critical habitats. Our ecological analysis was used to develop a preliminary monitoring plan in an effort to establish sustainable natural resources management of GETT/EISE arthropod diversity.

We summarize the ecological analyses, produce useable databases based on the GETT/EISE arthropod inventory, and develop monitoring recommendations for GETT/EISE managers. With the inventory and monitoring information, we are establishing necessary baseline information. We updated the specimen identifications and used the database to determine major community gradients which may influence community membership of various habitat types in the GETT/EISE ecosystem. We characterized land-use patterns with respect to Lepidoptera, a sensitive arthropod group with many specialist taxa.

These ecological analyses use arthropod diversity to detect environmental gradients within the GETT/EISE ecosystems and to discern which measured environmental factors may influence arthropod biodiversity in GETT/EISE. These findings represent an initial characterization of GETT/EISE arthropod biodiversity. The community characterization and inventory can be used and applied to future monitoring efforts to detect relevant changes locally and at the landscape level. Guild composition and family-taxa diversity were reported and used, in part, to develop an efficient monitoring plan for specific taxa and overall arthropod diversity. Land-use evaluation with respect to Lepidoptera richness and abundance was used to determine target types of land uses that would affect Lepidoptera the most should they be altered (e.g., cutting or mowing). Furthermore, these analyses were used to recommend monitoring approaches for overall biodiversity, specialists groups, and detection of potential pests. Results of the ecological analysis, based on the GETT/EISE Biodiversity Database, were used to determine which major factors correlated with existing community structure, including guilds, richness, and evenness comparisons of the sampled sites.

This Technical Report presents: 1) the arthropod taxa that are unique to particular habitats, plant associations, and land-use categories; and 2) an experimental design for monitoring arthropod taxa at GETT/EISE, which includes: a) suggestions for arthropod groups that can be used as surrogates for overall arthropod diversity; b) recommendations of at-risk or important taxa to monitor in addition to the surrogate taxa; and c) efficient sampling designs to monitor the surrogate taxa and species of special concern (e.g., at-risk or ecologically important taxa).

We also provided the Annotated List of Arthropods in the Gettysburg National Military Park and Eisenhower National Historic Site; a list of taxa that are closely associated with specific habitats that we surveyed (i.e. those disproportionately found in only one habitat), with which, resource managers could track which taxa may be lost if the habitat is lost or altered; Land-use categories

within the GETT/EISE and Lepidoptera habitat quality designations; Site-specific data and GPS coordinates for arthropod sampling sites and Lepidoptera surveys.

Acknowledgments

This project was funded by the National Park Service. For their cooperation and assistance, we wish to thank the National Park Service personnel, especially Zachary Bolitho (Natural Resources Specialist) and Curt Musselman (Natural Park Service Cartographer) of the Gettysburg National Military Park and Eisenhower National Historical Site, and John Karish of the Northeast Region. Special thanks are due to Jason Rohr (Assistant Professor), University of South Florida, for his efforts to develop the biodiversity analytical approach and monitoring tools as a Penn State University Research Associate.

Introduction

Biodiversity is the foundation of life that sustains the essence of our life-support system, where all resident species of plants, animals, fungi, and microorganisms closely interact to support life-sustaining ecosystem services (Kim 2001). Therefore, sustainability and management of ecosystems require inventory and assessment of site-specific biodiversity. This project began with the goal to assess the state of terrestrial invertebrate biodiversity and provide baseline information on the potential effects of tree removal on invertebrate communities in forest, grassland, and riparian habitats for the restoration of the 1863 landscape, and to develop management recommendations for ecological monitoring (Kim et al. 2001).

The latest General Management Plan for Gettysburg National Military Park (GETT) (1999) recommends the restoration of the 1863 landscape. This involved restoring open vistas of the 1863 battle landscape, which required tree removal on forested land ranging from 233-411 ha (576-1,015 ac) and the management of some forested lands as woodlots. This landscape modification quite possibly modified the structure of ecological communities and the ecosystem at large. Therefore, collection of baseline information on GETT biodiversity and detection of critical habitats was important for park management after this restoration activity. Baseline data in critical habitats establishes abundance and distribution data necessary for particular species or guilds before the restoration occurred and may aid in detecting any resulting impacts. Thus, the project goal was to provide park management with an invertebrate inventory of forest, grassland, wetland, and riparian habitats within GETT and also EISE (Kim et al. 2001).

Managing National Parks

In the last decade, a series of taxon-based surveys and research projects were conducted to document flora and fauna for many national parks, including Gettysburg National Military Park (GETT) and Eisenhower National Historic Site (EISE) (Kim 2001). These efforts produced data on the presence, abundance, and distribution of major plant and animal taxa; namely, vertebrates and vascular plants. These survey efforts have assisted park managers in making informed management decisions about wildlife and in determining how management actions might influence overall biodiversity, including impacts on specific groups of organisms. However, invertebrates remained unstudied despite being the most species-rich and species-abundant and the importance of their role in maintaining vital ecosystem functions (Wasser 2004). Thus, park managers can benefit and be informed by descriptive inventories, analytical assessments of local park ecology, and suggested monitoring approaches of arthropods as vital natural resources.

Ecosystem management of arthropod diversity requires inventorying biodiversity and relating it to ecosystem structure and function. Invertebrate biodiversity inventory and assessment was needed to develop a comprehensive and site-specific database to manage natural resources and landscapes in GETT and EISE. Invertebrate biodiversity data indicate habitat associations, including associations to those plants and animals sharing that habitat. Further use of this information can be to describe and analyze community structure or the local species associations, abundance, and distribution. These inventory efforts also provide preliminary data to develop monitoring tools to detect population density cycles and their role in community-level processes influencing biodiversity, including anthropogenic stressors on ecosystem health and ecosystem function.

In 1999 and 2000, we conducted an all-arthropod survey at GETT and EISE to gather baseline information for management and monitoring purposes. The 1999 collections were made from an interior forest stand (Big Round Top and Plum Run) and a grazed woodlot (Codori-Trostle Thicket). A total of over 23,000 arthropods were collected, sorted, and identified to morphospecies; except for the Diptera and Hymenoptera, where this procedure was completed for only 20% and 93% of the material, respectively (Kim et al. 2001). A supplemental collection of invertebrates was made in 2000 at several locations in GETT to provide a broad geographic coverage of different habitats in the park, including grassland habitats. The specimens were collected using a streamlined biodiversity profile modified for open (non-forested) habitats (Mahan et al. 1998; Kim et al. 2001). Specimens were labeled and are stored in ethyl alcohol at the Frost Entomological Museum. Lepidoptera species were counted from April to August in 1999 (21 dates) and 2000 (9 dates) for various amounts of time for each of the 36 non-randomly selected sites in GETT and EISE. Each survey site was georeferenced by recording the GPS coordinates using a hand-held GPS device.

This study was an imperative first step to incorporate invertebrates into monitoring and management decisions at GETT and EISE, but the inventory was not completed because only limited numbers of specimens were identified to species and morphospecies levels (Kim 2001). As a result, the biodiversity database was too incomplete for ecological analyses. No analyses of this dataset were conducted to determine how best to monitor or manage the biodiversity at GETT and EISE. Nor were any analyses conducted to determine which species would be lost from the GETT landscape if deforested and restored to mimic the American Civil War landscape (Kim and Byrne 2006). To use biodiversity inventory data for resource management, first, it is necessary for the remainder of the collection to be identified to species so the ecological analysis could include all major groups, thereby encompassing the majority of invertebrate biodiversity. However, in the intervening years since the field collection efforts we developed analytical tools and a prototype monitoring model based on the Shenandoah National Park biodiversity database which had a larger percentage of the collection identified to species for monitoring guidelines (Mahan et al. 1999, 2003; Rohr et al. 2007). The primary goal of the GETT/EISE project was to utilize the existing taxonomic database from the last inventory assessment project (Kim 2001), supplemented by additional species identification within the constraint of funds, to develop a monitoring protocol for invertebrates of the GETT/EISE ecosystem.

Goals and Objectives

The primary goals of this project were initially to expand the database to include taxonomic information to the species level and to conduct statistical-based ecological analyses on the GETT/EISE arthropod database to identify the best ways to monitor and manage biodiversity. However, because of time and funding constraints, and a growing taxonomic bottleneck for species identification (Kim and Byrne 2006), it was determined that these further identification efforts of the Big Round Top/Plum Run (hereafter Big Round Top) and Codori-Trostle Thicket samples would likely further delay project completion. These archived collections from the 1999 Big Round Top/Plum Run and Codori-Trostle Thicket surveys in GETT and the supplementary surveys made in 2000, should be further processed and identified to species. This additional processing will further the project's outcome by: 1) improving the site-specific invertebrate biodiversity database for GETT and EISE; 2) informing managers of the best ways to monitor invertebrates with a more complete taxonomic description of the park; and 3) amplifying the predictability of invertebrate biodiversity use across habitats within the GETT/EISE landscapes.

Acknowledging the need for further specimen processing, we analyzed the data and developed preliminary biodiversity monitoring tools using a series of analytical phases to develop resource management protocols. Therefore, our specific objectives were to analyze biodiversity data in the GETT/EISE Biodiversity Database to:

- a) determine which environmental factors (gradients) and land-use types influence community composition;
- b) identify the arthropod taxa that are unique to particular habitats; and
- c) develop a monitoring plan for the arthropod biodiversity of GETT/EISE.

Deliverables

The final deliverables are:

- a) the Technical Report which includes:
 - the results of the ecological analysis based on the GETT/EISE Biodiversity Database that determine which major factors influence community structure. This included a sample site comparison for the trophic guilds, species (family) richness and evenness, and a land-use analysis for Lepidoptera survey sites.
 - the arthropod taxa that are unique to particular habitats and plant associations, and
 - an experimental design for monitoring arthropod taxa at GETT/EISE that will include:
 - arthropod taxa that can be used as surrogates for overall arthropod diversity;
 - recommendations of at-risk or important taxa to monitor in addition to the surrogate taxa; and
 - efficient sampling designs to monitor the surrogate taxa and the species of special concern (e.g., at-risk or ecologically important taxa).
- b) a comprehensive annotated list of arthropods in the Gettysburg National Military Park and Eisenhower National Historic Site, with an updated GETT/EISE Biodiversity Database identifying taxa that are closely associated with specific habitats that we surveyed (i.e. those disproportionately found in only one habitat); this will provide managers with information on which taxa may be lost if the habitat is lost or altered.
- c) an updated GETT/EISE Biodiversity Database.
- d) GIS points from all surveys.
- e) a database with site-specific butterfly (Lepidoptera) species richness.
- f) land-use categories and spatial data of GETT/EISE parcels used in the analysis.

Study Areas

GETT and EISE are located in Adams County, Pennsylvania, comprising 1,511 and 279 ha (3,734 and 689 ac), respectively. The topography of the parks is gentle, consisting mainly of rolling hills. The mean elevation in the parks is 168 m (551 ft), and the highest point is Big Round Top (240 m [787 ft]) (Yahner et al. 1991). There are numerous ponds and wetlands, and four predominant drainages: Rock Creek, Plum Run, Willoughby Run, and Marsh Creek. Fifty percent (756 ha [1,868 ac]) of GETT is agricultural land (crop and pasture) and 36% (547 ha [1,352 ac]) is forested. The remaining 14% is comprised of maintained areas, residential areas, or other types of human-dominated landscapes (Yahner et al. 1991). Eighty-three percent (232 ha [573 ac]) of EISE is agricultural land, 3% is forested, and 14% is maintained areas, residential areas, and other developed land (Yahner et al. 1991). Crop species at the park include barley, corn, hay, sorghum, oats, rye, soybeans, and winter wheat (Yahner et al. 1991). Forested lands are primarily oak (*Quercus* spp.), hickory (*Carya* spp.), and tulip poplar (*Liriodendron tulipifera*) (Yahner et al. 1991; Storm et al. 1995). Vegetation cover types in GETT and EISE were researched and mapped by Yahner et al. in 1991.

These data are included in the Geographic Information System (GIS) layers used by the parks, along with data gleaned from recent aerial photos and National Wetland Inventory maps. The park GIS specialist for GETT provided a habitat cover map of the GETT and EISE areas. This map delineated elevations, various forest cover types, grasslands, croplands, and water bodies. We used this map to distribute the 1999 and 2000 sampling sites across appropriate habitats in the parks.

Terrestrial Arthropods

Invertebrate inventories were conducted in three phases. The first phase (June 1999) was concentrated within the forest stand encompassing the Big Round Top and Plum Run area of GETT (Figure 1). This is the largest continuous forest in the park, is relatively free of roads, trails, and structures, and is representative of the forest cover types found elsewhere in the park (Yahner et al. 1991; Storm et al. 1995). The second phase was conducted in the Codori-Trostle Thicket in August 1999 (Figure 1) because GETT had plans to remove trees here within the next two years. Prior to and during the time of collection, the park was removing Japanese barberry (*Berberis thunbergii*), an exotic shrub species that was ubiquitous in this woodlot.

The Codori-Trostle Thicket was grazed by approximately 40 adult cattle. The third phase of the inventory was conducted in June 2000 as a snapshot of multiple sites selected in the parks (Figure 1). Four sites were selected to represent a variety of habitats that had not yet been sampled as well as increasing geographic coverage of the collection. These four sites (referred to as the Supplemental Sample Sites later in the report) were:

1. EISE Marsh Creek—riparian forest
2. GETT Valley of Death—open wetland/grassland
3. GETT East of Pennsylvania Monument—old field/forest edge
4. GETT Willoughby Run/Will's Farm—open riparian grassland

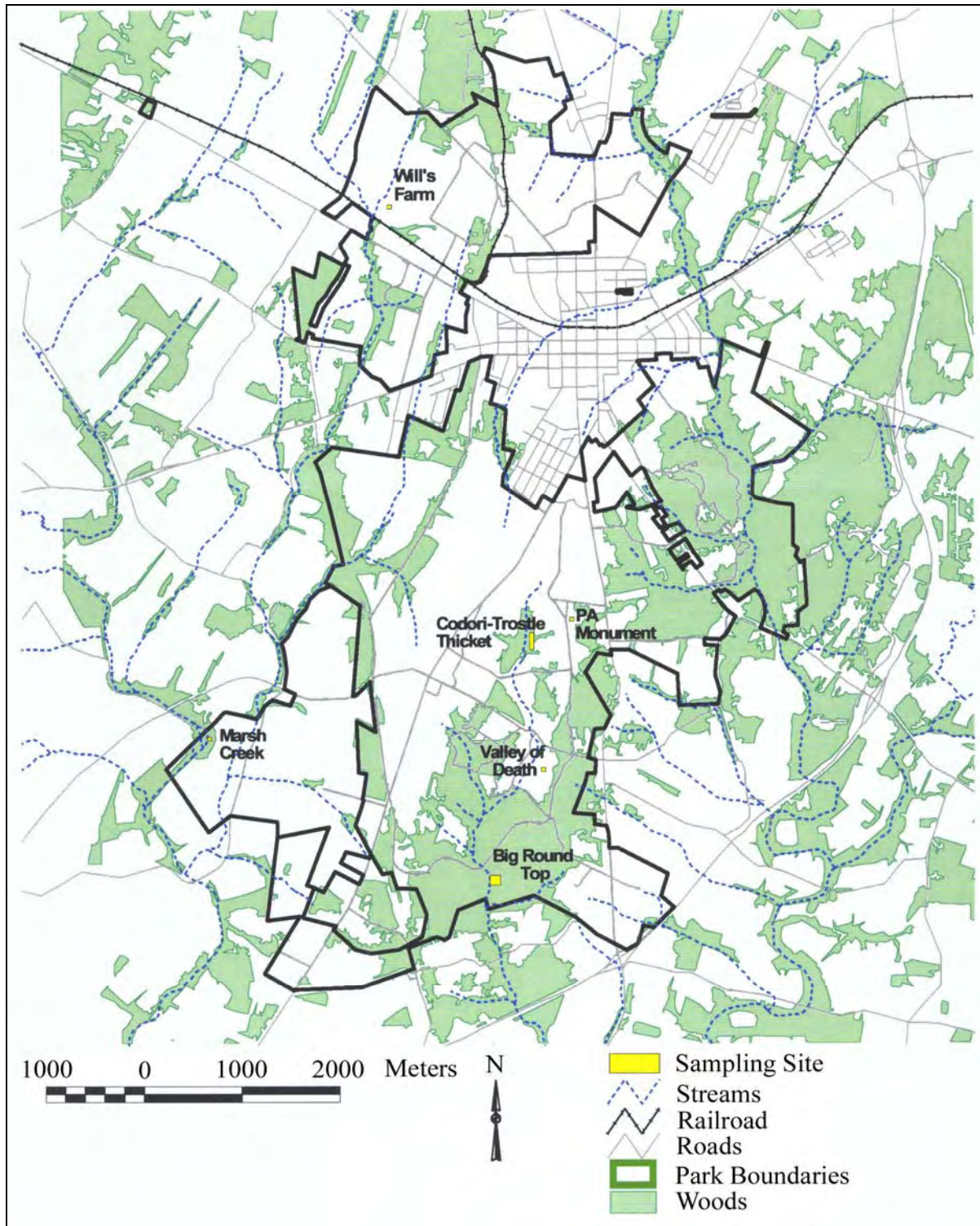


Figure 1. Locations of invertebrate sampling conducted in 1999 and 2000 at Gettysburg National Military Park and Eisenhower National Historic Site. See Appendix A for additional site information.

Lepidoptera (Butterflies)

Sites for collection of butterflies were selected nonrandomly and were primarily based on availability of suitable habitat and coverage of the parks. Suitable habitat was determined as being those areas providing a range of nectar sources and shelter suitable for the adult butterflies. Most sites are, therefore, located in areas of diverse vegetation dominated by hayfield, open fields, and other open areas, usually near or adjacent to forests, where nectar sources were either present or butterflies were observed in flight. Searches were also made within forested situations, and those locations where butterflies were collected became designated site records. New sites were, therefore, added as needed when new species were encountered. Thirty-one sites were sampled in 1999 and three additional sites were targeted in 2000 (Figure 2). Search effort was not consistent between sample sites. GPS coordinates were taken at each of the survey sites for comparison of survey data with archived land-use data.

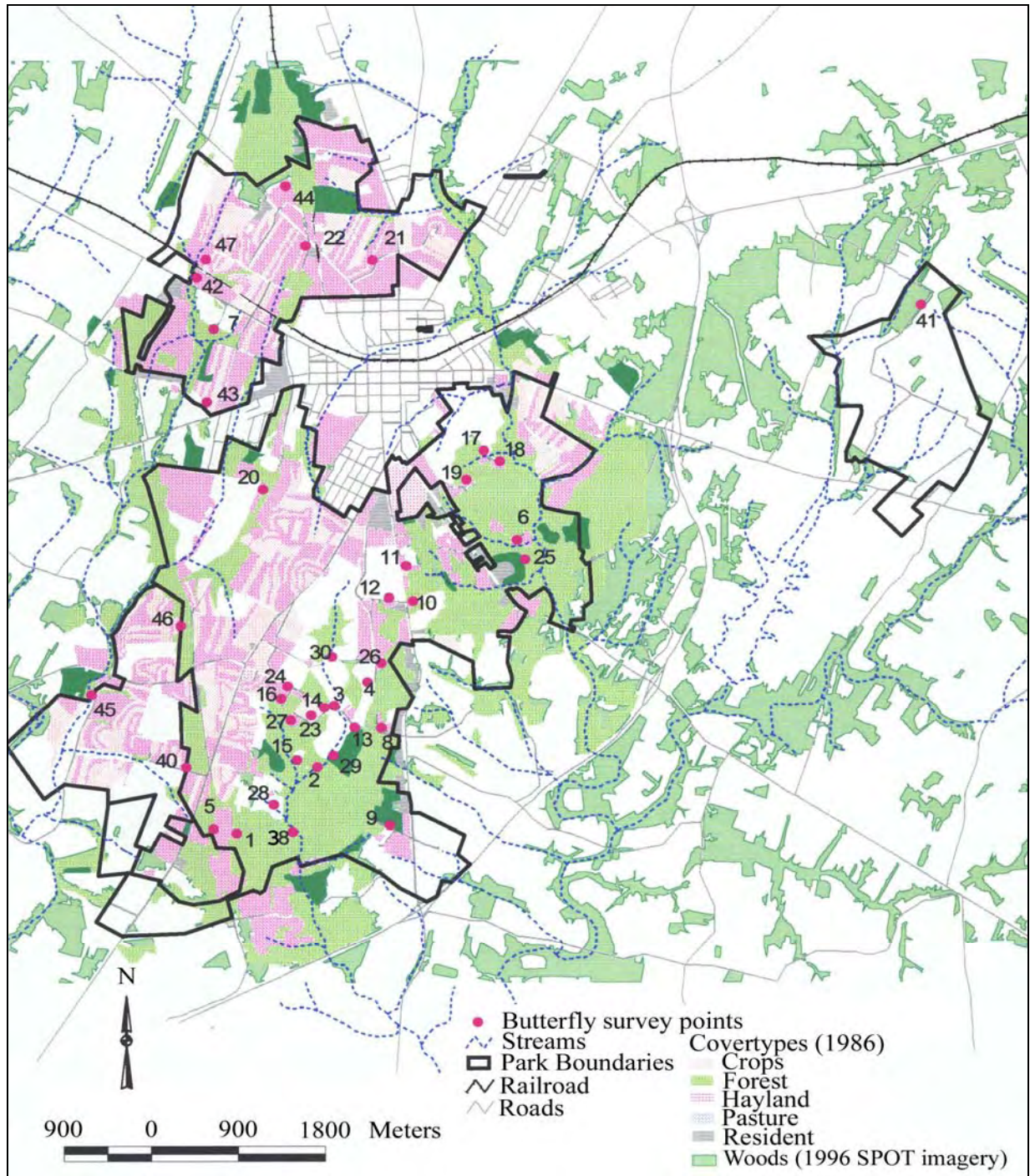


Figure 2. Locations of sites for sampling butterflies at Gettysburg National Military Park and Eisenhower National Historic Site. Sites 1, 4, 6 – 8, 17 - 19, 41, 43, 44, and 45 were sampled in 1999 and 2000; sites 42, 46 and 47 were sampled only in 2000; and all other sites were sampled only in 1999. See Appendix A for additional site information.

Methods

To develop a monitoring plan, we conducted ecological analyses of arthropod biodiversity data from the GETT/EISE Biodiversity Database (Appendix B) using the approach described in Rohr et al. (2007). This included: 1) characterizing the community of arthropods in each habitat and specific environmental correlates; 2) identifying and validating surrogates for overall arthropod diversity (since it would be impractical to monitor all arthropods); 3) determining land-use patterns within the butterfly survey area; 4) establishing the most efficient sampling methods to monitor these surrogates; and 5) determining the best sampling methods to monitor ecologically important or sensitive taxa whose population changes may not be adequately predicted by the surrogates.

Ultimately, we analyzed a streamlined version of the GETT/EISE biodiversity data to:

- a) determine which factors influence community membership (site-specific guild analyses), family richness, and site diversity (evenness site comparisons);
- b) identify the arthropod taxa that are unique to particular habitats and plant community types;
- c) determine Lepidoptera responses to land-use attributes of monitoring sites and 100-m buffer areas around these sample sites; and
- d) develop a monitoring plan for arthropod taxa at GETT/EISE. This plan includes:
 - arthropod taxa that can be used as surrogates for overall arthropod diversity;
 - recommendations of at-risk or important taxa to monitor in addition to the surrogate taxa; and
 - efficient sampling designs to monitor the surrogate taxa and the species of special concern *e.g., at-risk or ecologically important taxa.

Ecological Analyses

Continued landscape modification from human population growth and development demands our increased attention to understand impacts of human activities within our protected areas. It is necessary, then, to inventory and monitor biodiversity of these protected areas to both establish baseline information and detect changes which may impact biodiversity locally and at the landscape level; but, detecting biodiversity patterns and distributions for hyper-diverse groups, such as arthropods, holds many challenges and requires a great deal of effort and resources. However, characterizing and obtaining first estimates of biodiversity and species composition is manageable by applying methods associating species presence with environmental gradients, site affinities, trap success, and species effort/return (Rohr et al. 2006). Here we present results from an ecological analysis of the GETT/EISE arthropod inventory which describe many aspects of the overall arthropod biodiversity detected in the inventory efforts. We used these analyses to recommend monitoring approaches for overall biodiversity, specialists groups, and detection of potential pests.

The specific purpose of this report is to assess the status of invertebrate biodiversity in GETT/EISE and speculate on the possible effects of forest management activities on invertebrate communities in forest and in open and riparian habitats. With this assessment, ecological-based monitoring recommendations are presented with respect to appropriate trap types and the timing of monitoring. We provided detailed instructions for a monitoring plan, including appropriate sampling and analytical approaches for ecological monitoring.

For the analysis of the arthropod inventory of GETT/EISE, we used the analysis outlined by Rohr et al. (2007) as a template to develop a monitoring plan for determining overall diversity and capturing gradient-based diversity. Specifically, we characterized the overall arthropod diversity at GETT/EISE and the community of arthropods in each habitat and their environmental correlates for 27 orders, including Lepidoptera. Because it would be impractical to monitor all arthropods in all habitat types, we also identified potential surrogate groups to monitor as shifting representatives for overall arthropod diversity. Furthermore, we established the most efficient sampling methods to monitor these surrogate groups and included ecologically important or sensitive taxa whose population changes may not be characterized by only monitoring the surrogates. The culmination of this report is a list of recommendations as a monitoring plan for: 1) arthropod taxa which best represent overall diversity (e.g. surrogate taxa); and 2) at-risk or important taxa or species of special concern and specialist taxa. Each section includes a summary on the background and relevance, the analytical approach, and the recommendations for monitoring. The end of this document contains a summary of findings and monitoring recommendations.

Biodiversity is measured using multiple measures, including richness, evenness, and total abundance within a sample. Richness describes the number of kinds of species, where evenness describes how individuals within a community are distributed across the kinds of species, or species richness (Pielou 1966). When species abundances are relatively equally distributed among the kinds of species, communities have a high evenness value, whereas low evenness indicates a community where a couple species have high abundances and the remaining individual abundance is distributed across many remaining species. The Shannon Diversity Index (H') combines the previous two measures into a unit-less index to describe how individuals

within a community are distributed between species in the community. The Shannon Diversity Index (H') is described as:

$$H = - \sum_{i=1}^S p_i \ln p_i$$

where p_i is the fraction of individuals belonging to the i -th species.

The Shannon Diversity Index (H') is a measure of information content. That is, when H' is high, then randomly drawing individuals from a community will yield high uncertainty of which species you will draw next. Evenness is calculated as:

$$E = \frac{H'}{H'_{\max}}$$

where H' is the number derived from the Shannon diversity index. Evenness is how evenly the species are distributed across the community. Though H' is a conventional measure of diversity, caution should be exercised when interpreting the meaning of H' for a community. That is due to the possibility of arriving at the same value of H' for two different communities with differing species richness and evenness. Thus, other biodiversity measures, such as species richness, evenness, and total abundance, should also be presented in conjunction with H' .

A rarefaction approach was used to estimate overall biodiversity and the sampling effort required to capture the biodiversity signal. Rarefaction curves are a way to use known species and sample abundances and richness to estimate overall species richness of a community. Rarefaction curves are a way to establish how close the measured diversity is to the estimate of the actual diversity. A rarefaction curve represents the average number of species when multiple random draws are taken from a species pool, where consecutive draws increase in size, and allowing each draw to be done without replacement of the previous draw (See Gotelli and Colwell 2001). Rarefaction curves can either draw from a pool of samples or individuals depending on the dataset. Rarefaction curves tell us how close our diversity estimates (e.g. species richness) are to the analytically determined or predicted estimates. Ultimately, they address the question: Do I need to sample more in order to capture the biodiversity signal in this ecosystem?

Diversity measures calculated for the GETT/EISE arthropod biodiversity study include family richness, evenness, log abundance, and H' (Shannon Diversity Index) for each site, and, in some cases, within sites. An individual-based rarefaction curve was also calculated for the Big Round Top and Cadori-Trostle Thicket sites only, because the Supplemental Sample Sites of 2000 did not have a high enough species richness to be included in the analysis to have ecological meaning. All diversity measures were calculated using EstimateS 8.0 (Colwell 2006), a biodiversity estimation software package available on the world-wide Web. Because sampling effort was unequal between sites, this analysis remains descriptive in nature. Though valuable in its own right, nonetheless, this approach is less desirable and less informative than a statistically based approach. The statistics on the samples, families, and sites used in these analyses are reported in Appendix C.

The butterfly analysis characterized how much survey site buffer area (100 m [328 ft]) overlapped with the park management practices relevant to butterfly populations, including forest management (e.g., cutting) and mowing. We included forest management and mowing in our analysis because all butterflies surveyed use multiple habitat types within their life-cycle, including forest, forest edge, grassland, and various combinations of habitats (Glassberg 1993). In our analysis, we characterized the land-use of the sites with the highest species richness; the most common land-use types (and habitat quality) within buffers; we calculated the proportion of buffer area overlapping the dominant land-use areas removed by forest management (i.e., priority cuts); and, finally, the proportion of overlap between the buffer-areas and the Mowing Plan (2007). We examined the butterfly survey sites for habitat quality, land-use properties, and park management practices using spatial analytical software Arc-Map-ArcEditor (by ESRI, v. 9.3). In Arc-Gis we combined the butterfly survey points taken in the field with other spatially-referenced data on land-use, mowing, and forest management (i.e., vegetation priority cuts) for GETT/EISE. An Arc-Gis approach enabled us to examine the site buffers in greater detail and calculate the area of each land-use type, habitat quality, and relative buffer area impacted by park management activities.

Species Richness and Evenness

Big Round Top had the highest values of diversity, including family richness, log abundance, and H' (Figure 3). The sites with the next highest diversity levels were Cadori-Trostle Thicket and the supplemental sample sites (2000). Big Round Top sites were notably different in diversity measures from the supplemental sites, but more similar to Cadori-Trostle Thicket. On average, the Big Round Top sampling stations had greater family richness and abundance compared to the other sites (Figure 4). The intensely sampled station at Big Round Top had greater family richness but lower total abundance than the intensely sampled station at Cadori-Trostle Thicket (Figure 4).

The rarefaction analysis revealed that more sampling is required to capture the overall estimated family diversity when comparing both Big Round Top and Cadori-Trostle Thicket sites to the overall diversity of GETT/EISE (Figure 5). However, the trajectory of the Big Round Top rarefaction curve most closely resembled the trajectory curve of the entire GETT/EISE, or the resulting combined species pool from Big Round Top and Cadori-Trostle Thicket. This suggests that the Big Round Top sample site might be a better estimator for the overall park diversity during this particular sampling period (1999-2000). However, spatial and temporal changes such as removal or addition of vegetation within the park may certainly change the overall predictability of the overall GETT/EISE park diversity by using the Big Round Top site diversity.

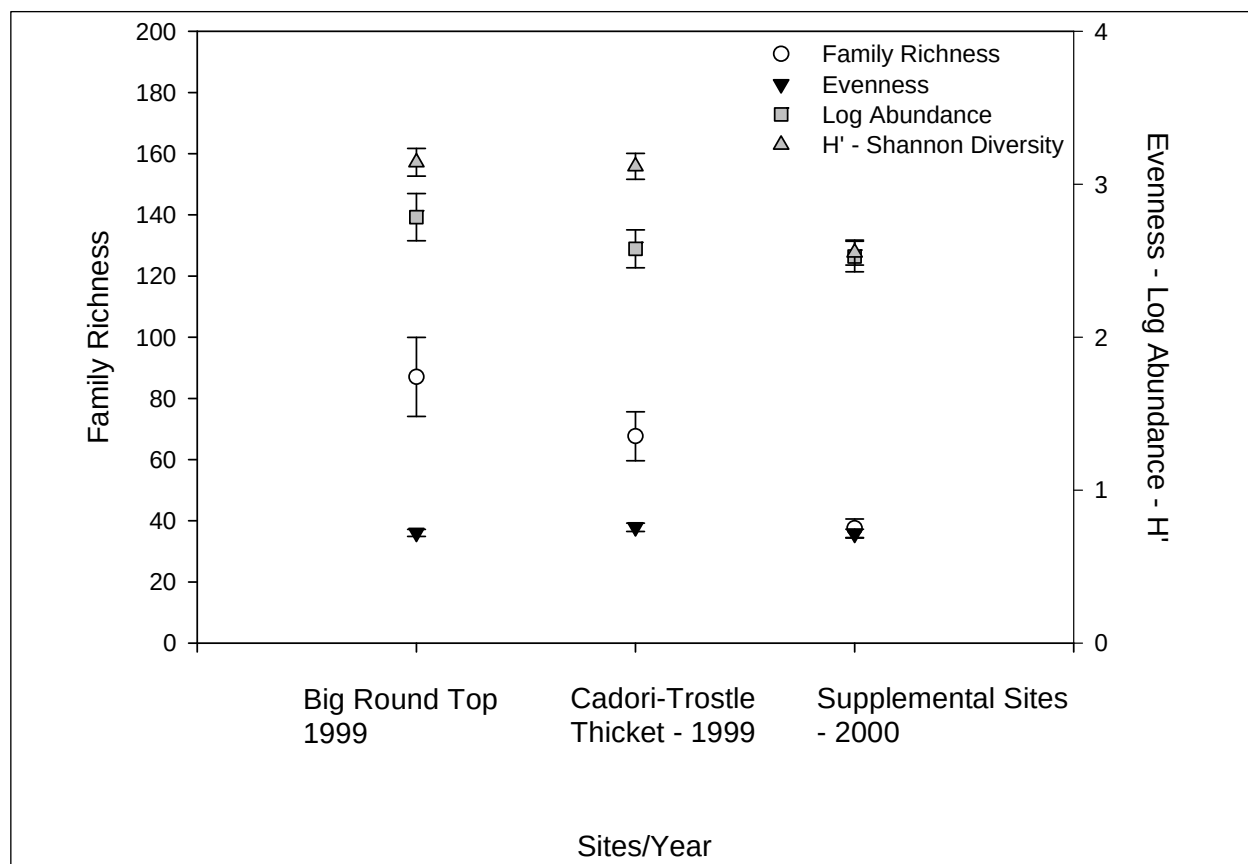


Figure 3. Arthropod family diversity for GETT/EISE. Richness is described by y-axis 1 (left), and evenness, H' and log abundance are described by y-axis 2 (right). All diversity measures were derived from the taxonomic unit of family richness. Mean measures and standard errors are given for each site, though it is important to note that sampled effort differs between sites making between-site comparative statistics uninformative.

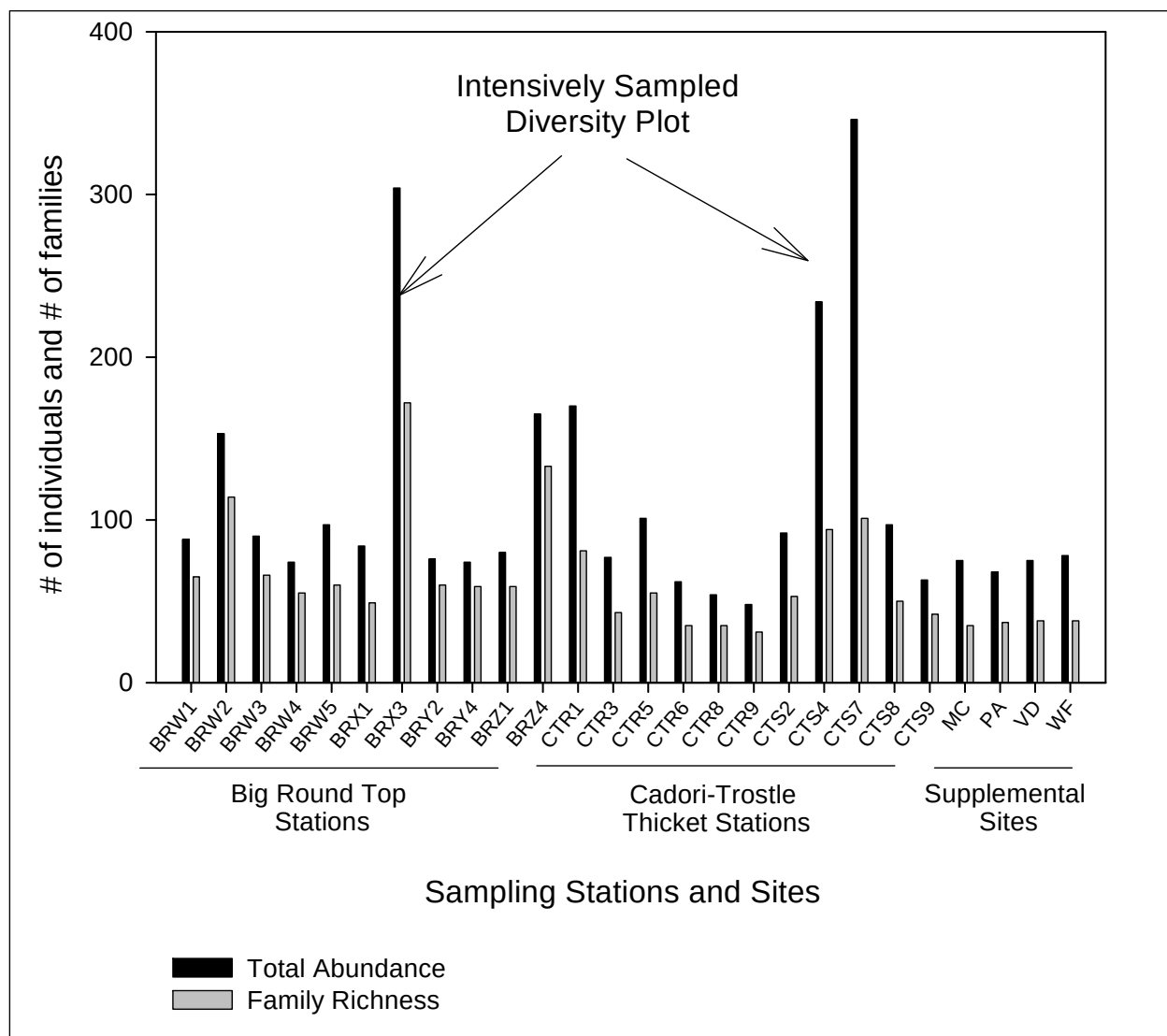


Figure 4. Number of individual specimens, the families occurring by sampling site/station in theGETT/EISE Park.

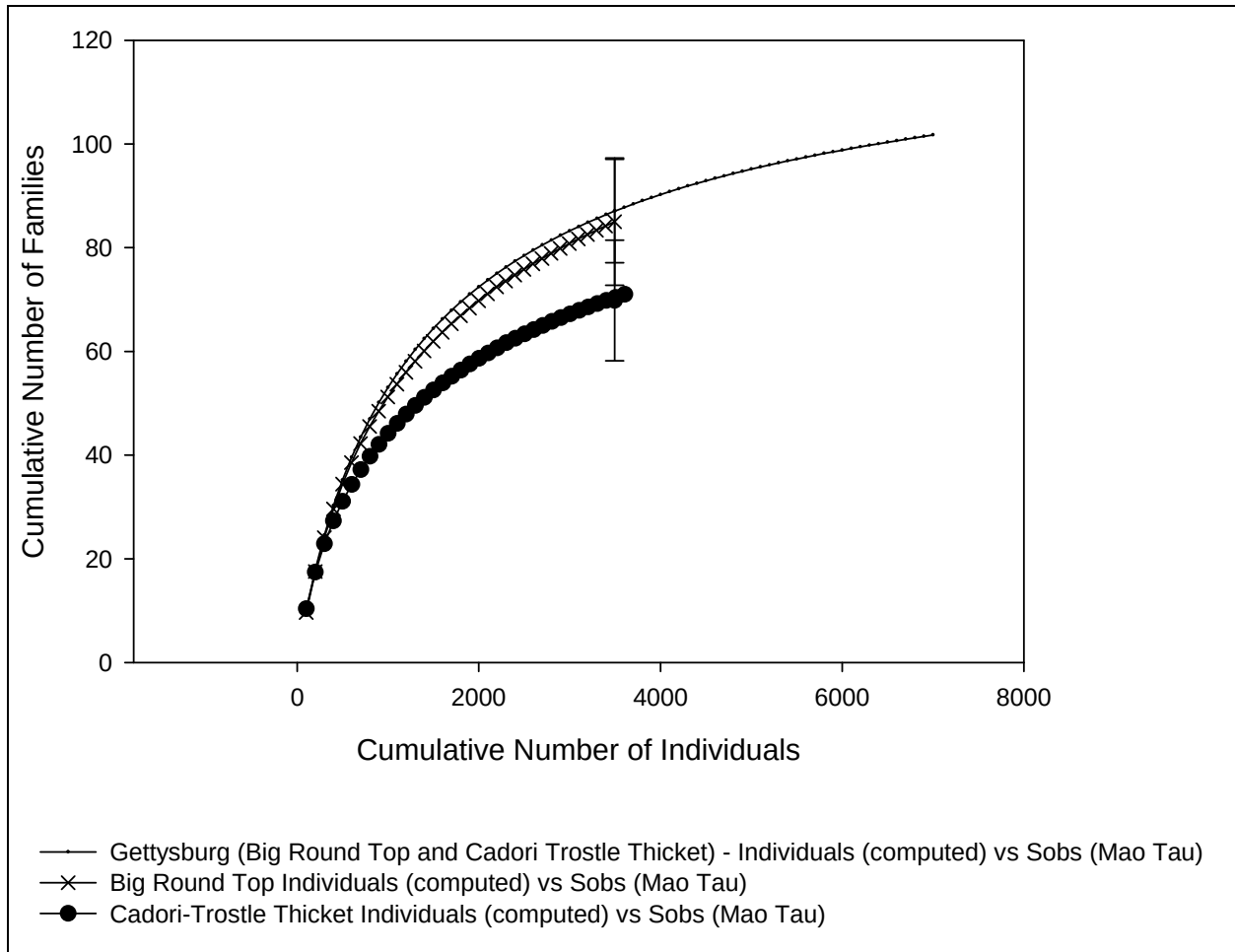


Figure 5. Individual-based rarefaction curve for GETT/EISE arthropod inventory effort (1999) with 95% confidence intervals. The metric Sobs (Mao Tao), as seen in the legend, is the number of observed individuals.

Guild Analysis

Habitat fragmentation and its negative impact on species (i.e., populations and biodiversity) are linked to management and planning decisions for housing developments and agricultural land use (Storm et al. 1995). Highlighting the relevance of preservation for species whose economic importance resides outside of hunting and fishing interests (e.g., pollinators, predators, and parasitoids) can be achieved by increasing general public and expert awareness of the impacts of fragmentation and the importance of managed planning. Understanding mechanisms of biodiversity and species distributions accentuates the need to comprehensively understand species' value: their role within the community and their ecosystem function, which translates into economic importance beyond their latent value and extending beyond aesthetics. Determining the various functions an ecosystem performs typically requires long-term monitoring and extensive data collection. However, determining species composition and overall trophic structure of a habitat is a prudent first step toward community level and scale of understanding.

Species' interdependencies dictate that a holistic approach be used to understand and interpret biodiversity patterns, causes, consequences, responses to restructuring, and, ultimately, ramifications of the decline and disappearance of biodiversity. The interconnections between species are intuitively represented through their trophic interactions. Because trophic structure of a community represents more highly resolved biodiversity information, trophic structure should be considered when making decisions about which species to monitor. Understanding a community's trophic profile, or the proportion of species within each trophic category, assists us in developing the picture of the overall trophic structure, an informative form of biodiversity. Developing the food-web for an area the size of GETT/EISE would mean identifying and determining diets and assembling the linkages and would take 10+ years (Polis 1991; Piechnik et al. 2008). Therefore, our preliminary approach was to develop a rough picture of the trophic structure by assigning guilds and then evaluate relative roles that species play in these habitats.

To determine gross trophic structure using guild designations, we used a dataset consisting of 206 arthropod families that were collected and identified from the 1999 and 2000 GETT/EISE inventory efforts. Primary literature and monographs were used to make guild assignments of the taxa from the GETT/EISE inventories (see GETT/EISE Database for trophic assignments and sources for trophic guilds). The guild designations are detritivore, zoophage, phytophage, mycetophage, and omnivore. Detritivores eat dead and decaying plant and animal matter, zoophages consume living animals, and phytophages consume living plant material, mycetophages consume fungi, and omnivores consume multiple trophic categories or guilds (e.g., both zoophagous and phytophagous).

Guild profiles for the detritivore, phytophage, and mycetophage trophic groups described here are similar for all the GETT/EISE sites (Figure 6). There were more zoophages but fewer omnivores at Big Round Top and Cadori-Trostle Thicket sites relative to the sites inventoried in 2000 (Marsh Creek, Pennsylvania Valley Monument, Valley of Death, and Wills Farm). Some trophic profiles differ among sites (Figure 4, e.g., fewer omnivores in Big Round Top and Cadori-Trostle Thicket compared to Marsh Creek, Pennsylvania Valley Monument, Valley of Death, and Wills Farm), but caution must be exercised when interpreting Figure 4. The sites compared here represent uneven sampling efforts between the 1999 sites (Big Round Top and Cadori-Trostle Thicket) and the 2000 sites (Marsh Creek, Pennsylvania Valley Monument,

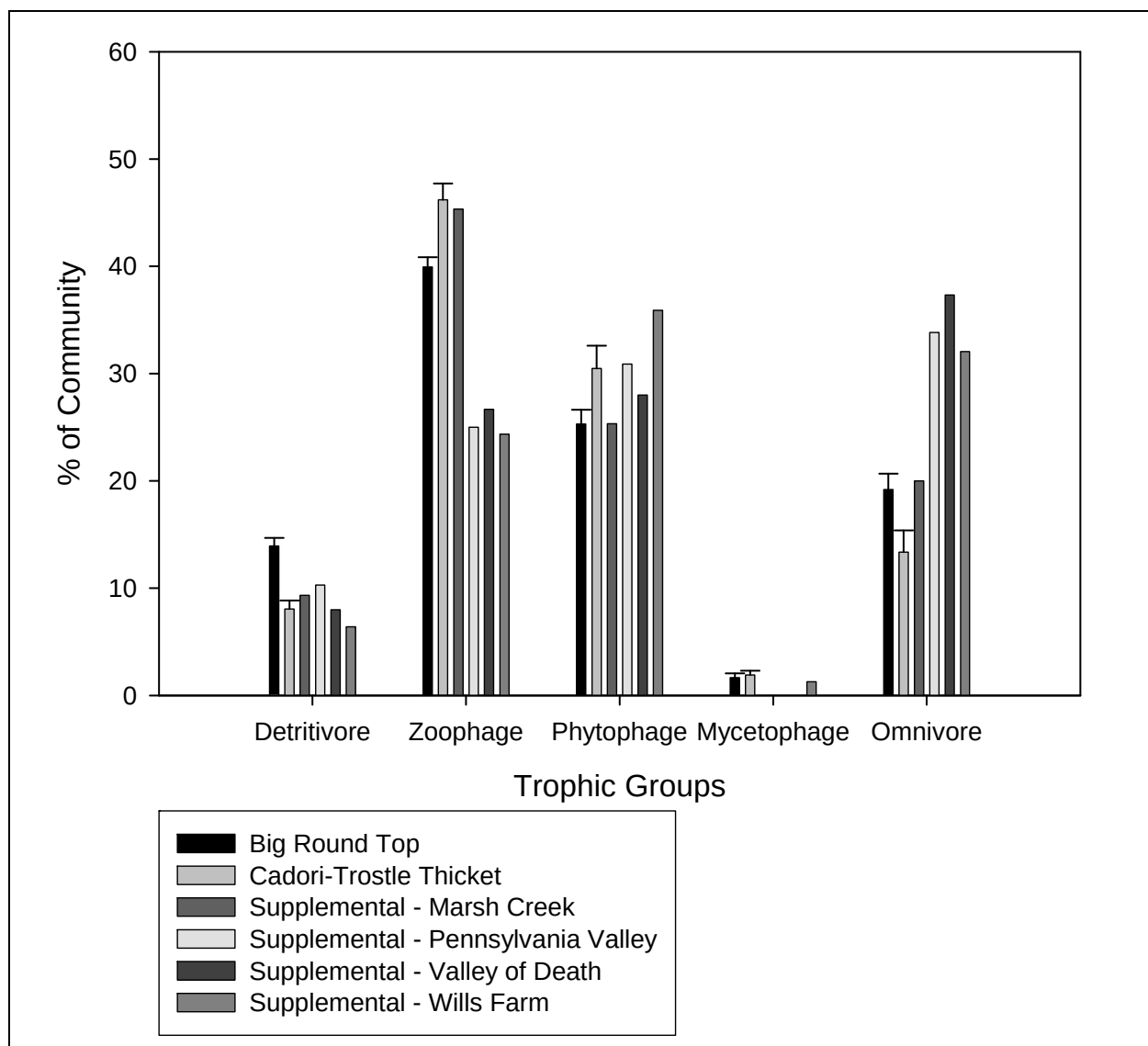


Figure 6. Relative proportions of trophic groups compared across sites. Mean measures and standard errors are given for each site, though it is important to note that sampling effort differs between sites.

Valley of Death, and Wills Farm), therefore, the sites are not estimating the same statistical population and cannot be compared statistically. Comparisons between Big Round Top and Cadori-Trostle Thicket are somewhat more meaningful, as they had similar sampling efforts, and it should be noted that they represent different habitat types (e.g., Big Round Top is wooded with a prominent overstory, while Cadori-Trostle Thicket is a mixture of open areas, shrubs, and noncontiguous tree cover). The Big Round Top sites, with their increased sampling effort, consistently represent the trophic guild structure of GETT/EISE as sampled by this inventory. Table 1 represents a suggested group to monitor and is a fair cross-section of trophic structure, though somewhat biased toward monitoring predators since they have been determined to be more sensitive to decreases in habitat size and habitat fragmentation than other trophic groups (Srivastava et al. 2008). Appendix D contains photographs of these 16 taxa.

Generalist taxa at higher trophic levels may experience less year-to-year variation than specialist predators since a suitable food source will likely be present for generalists and less likely for specialists. Furthermore, predators in general may respond quickly to biotic and abiotic changes given their trophic dependency on prey populations. For example, if their prey are not present they may emigrate to another habitat where their prey are more likely to be present. A clearer representation of the trophic structure and different trophic group responses to abiotic, biotic, and habitat changes will emerge as GETT/EISE is further sampled and monitored in the future.

Environmental Parameters and Arthropod Communities

Arthropod biodiversity varies across space with changes in moisture, temperature, available nutrients, and types of land use. Though biotic interactions figure into some gradients, all else being equal, the strongest spatial gradients tend to be abiotic gradients. These gradients can be detected by examining spatial patterns of species' occurrences.

Canonical Correspondence Analysis (CCA) is one multivariate technique used to detect patterns of species distributions. CCA is an indirect gradient analysis, and can be used when environmental gradients are not necessarily known prior to or at the time of data collection. CCA is also used when species occurrences are unimodally distributed across sample space and is an appropriate analysis for analyzing non-linear responses by species to environmental gradients. For CCA, a sample-species matrix can be compared to a sample-environmental matrix composed of continuous and categorical variables which characterize the sampling environment. For instance, the sample species matrix will have the abundance number of individuals of different species within each sample. The sample-environmental matrix is the same structure, except each sample location has site measurements, either quantitative data (e.g., % cover of overstory) or categorical data (e.g., overstory present, overstory absent), rather than species abundance data. This approach then utilizes species and environmental information about a sample site to isolate species' diversity responses to possible gradients that were defined during data collection. Therefore, this approach can indicate which environmental gradients contribute to the species diversity distribution within the sampled habitat and across sample sites. In the graphical representation of the analysis, the species occurring closest to the gradient vectors are the taxa which strongly respond to these gradients within the model. Thus, species that are the furthest away from the vector are negatively or not influenced by that measured attribute, thereby creating a gradient of influence.

Table 1. This list represents the common and easily identified arthropods for monitoring purposes, taken from the list of 2,602 taxa that were identified to the species level. A representative from each main trophic group is included, but more predators were included in this list, given their sensitivity to habitat size (Srivastava et al. 2008). Occurrences of these taxa are reported from monitoring stations from these sites: Big Roundtop (BR), Cadori-Trostle Thicket (CT), Marsh Creek (MC), Pennsylvania Monument IPA), Valley of Death (VD), and Wills Farm (WF).

Scientific name	Family	Trophic habit	Inventory abundance	Occurrence (# of stations)	Trap type(s)
<i>Agelinopsis pennsylvanica</i>	Agelinidae	predator	5	1 (CT)	GM, IP, SW, TR
<i>Leptogaster flavipes</i>	Ascididae	predator	35	2 (BR)	GM
<i>Parcoblatta virginica</i>	Blatellidae	omnivore	2	1 (BR)	LT, SB
<i>Philaenus spumarius</i>	Cercopidae	phytophagous	192	18 (7Br; 11CT)	BE, GM, SB, SW, TR
<i>Oscinella frit</i>	Chloropidae	phytophagous	256	6 (4BR; 2CT)	GM, SW
<i>Metriorhiza</i> sp.	Chrysomelidae	phytophagous	15	1 (WF)	SB, SW
<i>Systema hudsonias</i>	Chrysomelidae	phytophagous	4	2 (BR)	BE, GM, SW
<i>Agallia constricta</i>	Cicaedellidae	phytophagous	20	8 (4Br; 4CT)	BE, IP, SW
<i>Cicindela sexguttata</i>	Cicindellidae	predator	1	1 (BR)	GM
<i>Chrysotus obliquus complex</i>	Dolichopodidae	predator	39	6 (1Br; 5CT)	GM, SW
<i>Camponotus</i> sp. 1	Formicidae	omnivore	71	27 (13BR; 14CT)	GM, IP, LT, SB, SW, TR
<i>Ophion</i> sp.	Ichneumonidae	predator/parasite	17	1 (MC)	GM
<i>Oxyopes</i>	Oxyopidae	predator	7	3 (MC; PA; VD)	SW
<i>Odontotaenias disjunctus</i>	Passalidae	detritivore	13	5 (CT)	SB
<i>Pipunculus (Eudorylas)</i> sp.	Pipunculidae	predator/parasite	7	4 (3BR; 1CT)	GM, SW
<i>Oecanthus</i> sp.	Gryllidae	phytophagous	26	8 (BR)	SW, TR, SB, IP, BE

The species-sample matrix of GETT/EISE included 206 taxa (i.e., families) and 186 sample units (i.e., equivalent to site/station/trap, for example site Big Round Top, station number X3 in the site, and pitfall trap type). The environmental gradient analysis compared the GETT/EISE species-sample matrix to a sample-environmental matrix using the environmental variables, including grass, soil, and forest, with further division of sites into nominal variables by sample site and the habitat types of the samples (understory, open, canopy).

The strongest gradient was the span of the relative measure of grass to forest cover, with relative cover of soil falling between these two gradients (Figure 7). The supplemental sample sites from 2000 clustered within one general area, while Cadori-Trostle Thicket (CT) and Big Round Top (BR) are closer to each other in the multivariate space on the graph. The categorical variables of habitat types (e.g., understory, open, canopy) did not add information to the analysis, as they clustered very near each other in the same area of the graph (Figure 7). On the other hand, the environmental gradient analysis produced a response by 34 families spanning 10 arthropod orders (Table 2).

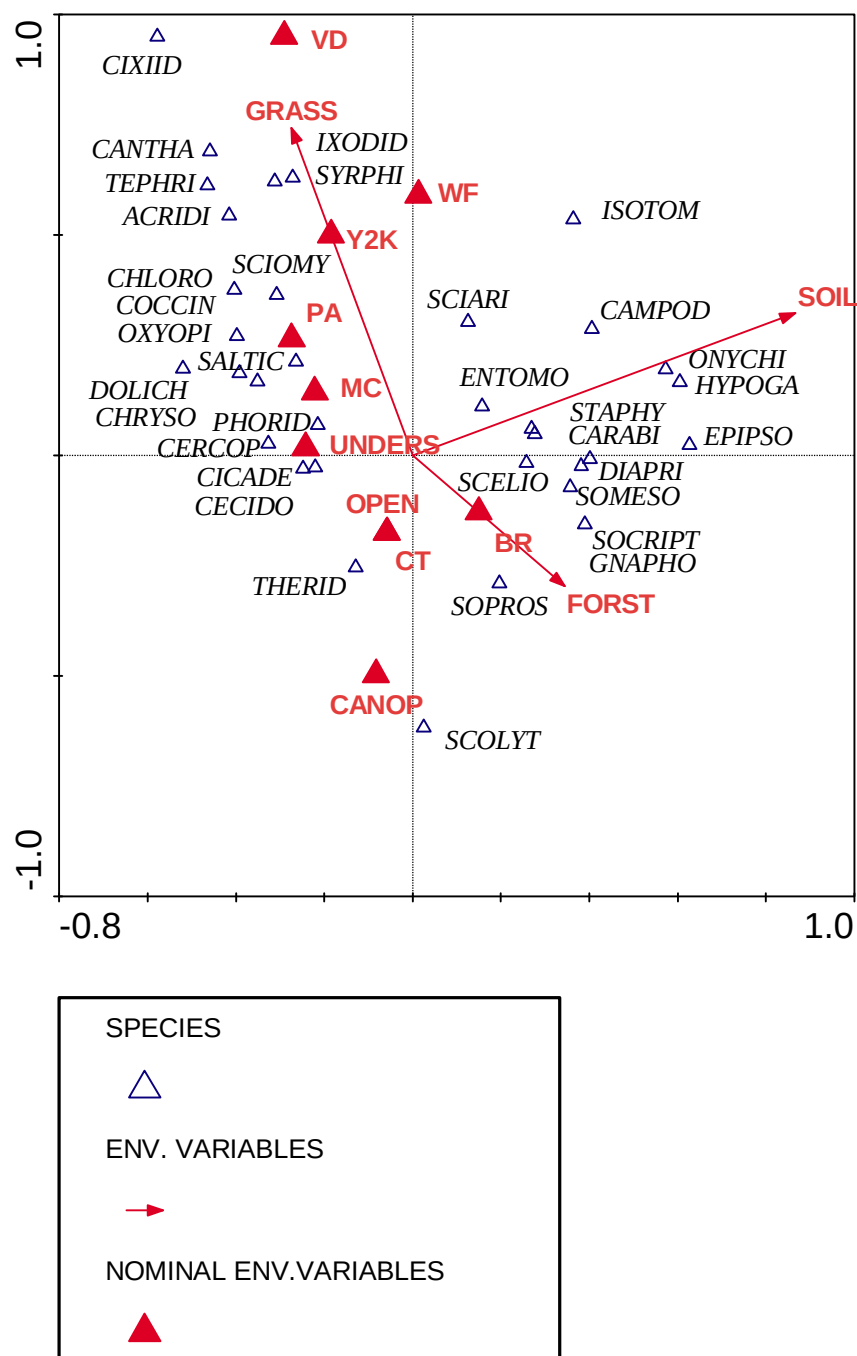


Figure 7. Canonical Correspondence Analysis of species/sample and environmental/site matrices. Site responses are red triangles accompanied by two-letter site-name abbreviations (BR–Big Round Top; CT–Cadon-Trostle Thicket; MC–Marsh Creek; PA–Pennsylvania Valley; VD–Valley of Death; WF–Wills Farm), and species responses are black triangles labeled by six letters of the family name (see Table 2 for 6-letter species names). Environmental vectors are represented as red arrows and labeled with full names on the graph. Full names (order and family) of these 34 taxa (10 orders) that responded strongly to the environmental gradients are listed in Table 2.

Table 2. List of families that responded strongly to environmental gradients in the Canonical Correspondence Analysis of species/samples and environmental/site matrices (Figure 7). Bolded families are also part of the monitoring list in Table 1.

Order	Family
Acari	Ixodidae (IXODID)
	S.O. Cryptostigmata (SOCRIPT)
	S.O. Mesostigmata (SOMESO)
	S.O. Prostigmata (SOPORS)
Araneae	Gnaphosidae (GNAPHO)
	Oxyopidae (OXYOPI)
	Salticidae (SALTIC)
	Theridiidae (THERID)
Coleoptera	Cantharidae (CANTHA)
	Carabidae (CARABI)
	Chrysomelidae (CHRYSO)
	Coccinellidae (COCCIN)
	Scolytidae (SCOLYT)
	Staphylinidae (STAPHY)
Collembola	Entomobryidae (ENTOMO)
	Hypogastruridae (HYPOGA)
	Isotomoidae (ISOTOM)
	Onychiuridae (ONYCHI)
Diplura	Campodeidae (CAMPOD)
Diptera	Cecidomyiidae (CECIDO)
	Chloropidae (CHLORO)
	Dolichopodidae (DOLICH)
	Phoridae (PHORID)
	Sciaridae (SCIARI)
	Sciomyzidae (SCIOMY)
	Syrphidae (SYRPHI)
	Tephritidae (TEPHRI)
Homoptera	Cercopidae (CERCOP)
	Cicadellidae (CICADE)
	Cixiidae (CIXII)
Hymenoptera	Diapriidae (DIAPRI)
	Scelionidae (SCELIO)
Orthoptera	Acrididae (ACRIDI)
Psocoptera	Epipsocidae (EPIPSO)

Although some gradient-based responses by the taxa were observed, the response of the species occupied a narrow range (i.e., the x- and y- axes were scaled between -1.0 and 1.0). This indicates relatively weak responses and weak sorting by the taxa (families) to these environmental categories in the sample-environmental matrix. This axis scaling was chosen to isolate and display definitive responders to those gradients; however, most families were clustered rather close to the origin of all axes when the response of the data set required axes level to be reset, increasing the area of response in order to view and capture the multivariate responses (Figure 7). Finally, a Detrended Correspondence Analysis of the samples across the three main sites reveals that the samples from the Big Round Top sites encapsulated most of the variation in diversity within all sites from GETT/EISE (Figure 8).

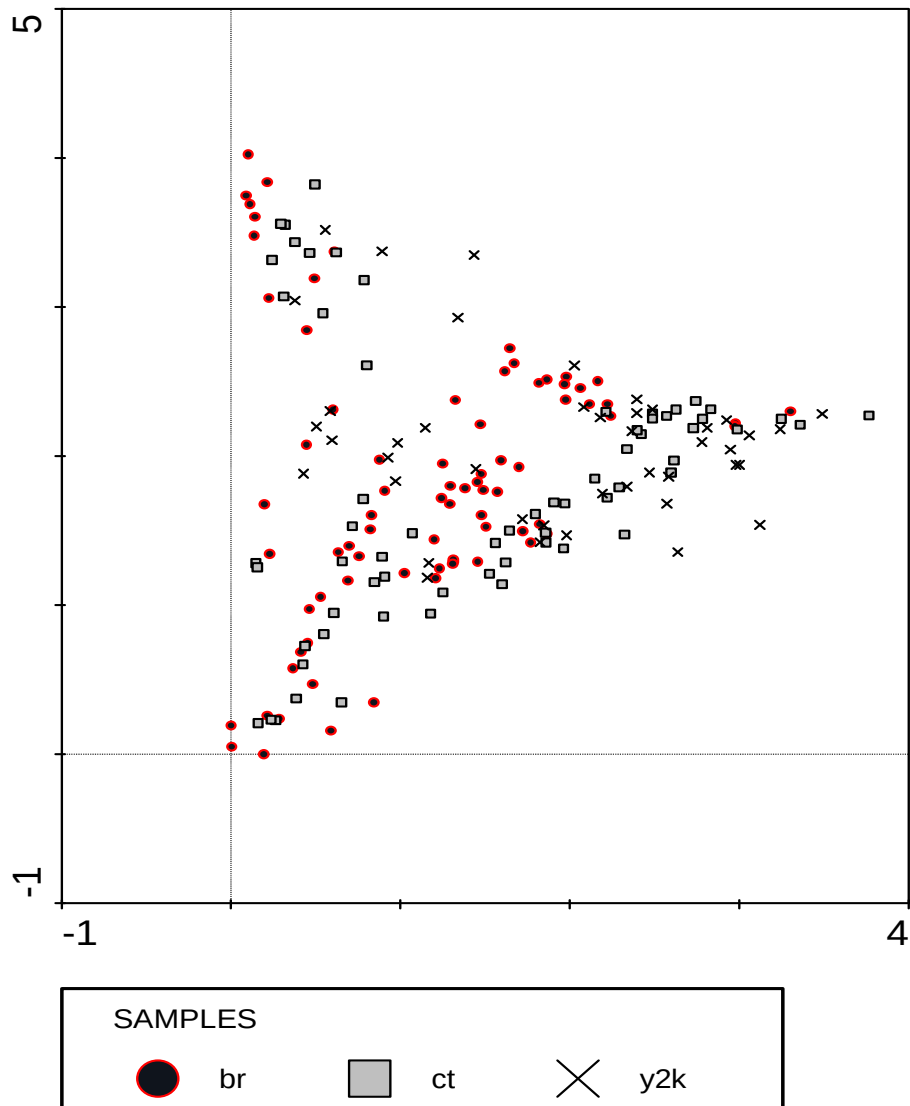


Figure 8. Detrended Correspondence Analysis with sample distribution within species space for the samples of GETT/EISE. The three sample sites are abbreviated as: **br** (Big Round Top Sites), **ct** (Cadorn-Trostle Thicket Sites), and **y2k** (Supplemental Sites, 2000). Each symbol represents site/station/trap.

Butterfly Land-use Evaluation

Butterfly taxa are sensitive to land-use changes mainly as a result of their multiple life stages and their specialized habitat requirements. Resource requirements can change at each life-stage. For instance, for many species the larval stage requires different and separate host-plant(s) than the adult's required nectar source. Thus, most butterfly species, though often trophic specialists, require multiple kinds of habitat types (e.g., forests and grasslands). These multiple resource requirements makes the butterflies a difficult group to manage, particularly in highly fragmented areas where habitats are fragmented by multiple land-use types.

We examined butterfly species richness, habitat quality, and land-use patterns of monitoring sites and how habitat quality corresponds to land-use and park management activities. We formed a circular buffer (radius = 100 m) around each monitoring site. We selected this radius length based on the non-random dispersal distance and perceptual range of some common butterflies, which is found to be 100-200 m (328-656 ft) (Cant et al. 2005). Our analysis focused on how much buffer-area overlapped with those management practices relevant to butterfly land-use, including forest management and mowing. We included both forest management and mowing in our analysis because all GETT/EISE butterflies use multiple habitat types within their life-cycle, including forest, forest edge, grassland, and various combinations of habitats (Glassberg 1993). In our analysis we characterized the land-use of the survey sites with the highest species richness and the most common land-use types (and habitat quality) within buffers. We calculated the proportion of buffer area overlapping the dominant land-use areas removed by forest management (i.e., priority cuts), and, finally, the proportion of overlap between the buffer-areas and the Mowing Plan (2007).

To estimate how park management practices may impact the butterflies within GETT/EISE, we assumed that the thirty-six survey sites (1999-2000) were fair representations of an average site an expert would select for continued monitoring. Ideally, at least some monitoring sites would be randomly selected, monitored with equal effort expended at each site, and data from those sites without butterflies included in the monitoring protocol and analysis. Such a data set would yield important information about habitat quality of where certain Lepidoptera species are and, what may be more informative, where certain species are not, particularly when land-use factors and park management practice may impact host plant habitat, nectar sources, and emergence of adults.

We used Arc-Gis (ESRI v. 9.3) to analyze survey site data, habitat quality, and effects of park management. We used multiple data sources for these purposes: evaluate habitat quality vegetation survey/land-use for spatial data recorded (Vegetation Inventory Project for Gettysburg National Military Park [<http://biology.usgs.gov/npsveg/gett/index.htm>] NRIM - 2005), total area of forest management (removal) in buffer areas (File: vegpriority, Source: Curt Musselman, NPS Cartographer, Gettysburg PA), and total area of buffers overlapping with the mow plan from 2007 (File: mowplan2007, Source: Curt Musselman, NPS Cartographer, Gettysburg PA). We used the land-use descriptor VEG_STRC within the Vegetation Inventory Project for Gettysburg National Military Park (VIP-GNMP) data file. We chose this field over other classification systems available in the VIP-GNMP data set because of the appropriate level of descriptive resolution for land-use types in order to estimate potential Lepidoptera habitat; its manageability for data analysis; and these land-use descriptions were easily verifiable from available aerial photos of GETT/EISE (Files: GETTYSBURG_FINAL.SID and EISENHOWER.SID, Source: Curt Musselman, NPS Cartographer, Gettysburg PA).

Habitat quality was assigned to the 26 land-use categories within the VEG_STRC field based on dominant species present in other classification descriptors, the likelihood of available host plants/habitats, and the estimated degree of disturbance (e.g., standard conventional farming activities = moderately high disturbance). Our rankings were: 0=minimal/none quality, 1=Low, and 2=Good. We deviated from these land-use descriptors only for those 25 out of 205 Agriculture parcel areas that were otherwise labeled as Pastures within all other land-use categories. Therefore, we re-designated these Agricultural areas as Pastures, and qualified their

habitat as “Good” or a “2.” We felt this separate designation was relevant, given pasture lands are not typically highly disturbed relative to conventional agriculture (e.g., tilling, planting, spraying, harvesting), potentially allowing more local native host plants to establish, resulting in better butterfly habitat.

For this analysis we describe species and their life-history requirements, including a summary of incidences, or sites present. We characterize and rank the proportion of land-use types within the buffer areas (by total area), and examine land-use for the sites with the greatest species richness. Finally, we further describe how much of the buffer sites overlap with park management activities (i.e., forest management and mowing plans).

Thirty-two butterfly species were observed and identified from 36 sites (Appendix E), with an average site species richness of 7.41 (SD +/- 4.94). Butterfly species name, habitat and incidence information are described in Table 3. This species collection requires a mix of habitat types, including wooded, grassland, and edge habitats. The European Skipper (*Thymelicus lineola*) was the most commonly observed species in terms of number of specimens collected/observed, and incidence, or the number of sites in which it was found. The Little Glassy Wing (*Pompeius verna*) was the second most collected species, while the Little Wood Satyr (*Megisto cymela*) was the second highest in incidence. There were multiple species with single occurrences, however, more long-term monitoring data are required to discern the cause. For instance, these single occurrences could represent the end of a flight display period for a species, the species could be rare or uncommon, or the local population could be declining. More information is needed about the butterfly species and their life histories within GETT/EISE.

We ranked each parcel’s butterfly habitat quality by combining data from habitat and host plant information (Table 3) with other land-use information within the VIP-GNMP data set, and then mapped this habitat information with butterfly species richness for the northern and southern portions of the park (Figures 9a and 9b). Survey site numbers and land-use patterns differ between the northern and southern portion of the parks; however, most high species rich areas are in the southern part of the park, which has more area and where there are more “good” habitat parcels.

Roughly half (16) of the 34 sites had seven or more species, which is average or above average. Table 4 shows the ranking of land-usage by total area for these sites with above-average species richness. Most species-rich sites contained the land-use category Deciduous Forest, a habitat ranked as “Good” for butterflies. This land-use type ranked highest for these species-rich sites for both total area and number of sites. Seasonally Flooded Grasslands, also ranked as “Good” habitats for butterflies, was the second most common in total area, but the third most common kind within these species-rich sites. The site selection process to find heterogeneous sites to monitor and the amount of land-use types present may account for some common land-uses whose habitat quality was “Low” and “None/Minimal,” like Agricultural Land (“Low” quality) ranked 3rd by total area. Transportation Corridor (“None/Minimal” quality) also had the same incidence in these species-rich sites as the top “Good” habitat, Deciduous Forest, but this low quality habitat ranked 8th for total area contribution. This analysis summarized the importance of the “Good” quality sites for species richness and, perhaps, which areas may need further attention. For instance, there were three land-use types that are considered “Good” habitat but were within only one survey site. This suggests that these three land-use types

Table 3. Number of each species of Lepidoptera collected at GETT/EISE (April-September 1999), the number of sampling sites represented by the collection, and typical habitat preferences of each species.

Family Scientific Name	Common Name	# of Specimens	# of Sites	Habitat	Nectar Sources	Larval Host Plants
Hesperiidae						
<i>Ancyloxypha numitor</i>	least skipper	4	2	moist pastures and grasslands	small flowers	grasses
<i>Atalopedes campestris</i>	sachem	1	1	open areas	variety	grasses
<i>Epargyreus clarus</i>	silver-spotted skipper	4	3	disturbed forest	variety	locust and other legumes
<i>Erynnis brizo</i> (Boisduval & LeConte 1834)	sleepy dusky wing	1	1	woodland margins	damp soil and flowers	scrub oaks
<i>Erynnis juvenalis</i> (Fabricius 1793)	juvenal's dusky wing	6	4	oak woodlands	variety	oaks
<i>Euphys dion</i> (Edwards 1879)	Dion skipper	1	1	wetlands – bogs		calcareous ferns
<i>Poanes hobomok</i> (Horris 1862)	hobomok skipper	3	3	woodland margins	variety	grasses
<i>Polites mystic</i> (Edwards 1863)	long eash	8	6	moist open areas	variety	grasses
<i>Polites peckius</i> (Kirby 1837)	Peck's skipper	12	7	open areas	variety, esp. red clover	grasses
<i>Pompeius verna</i> (Edwards 1862)	little glassy wing	19	6	forest openings	variety	purpletop grass
<i>Thorybes pylades</i> (Scudder 1870)	northern cloudy wing	5	4	open or scrubby woodlands	variety	legumes and clovers
<i>Thymelicus lineola</i> (Ochsenheimer 1808)	European skipper	24	11	open grassy fields	variety, esp. red clover	grasses
Unknown		4	4			
Lycaenidae						
<i>Celastrina ladon</i> (Linnaeus 1758)	spring azure	8	6	woodland margins and wetlands	trees, shrubs, herbs	perennials
<i>Everes comyntas</i> (Eodt 1824)	eastern tailed blue	3	3	open areas and fields	short flowers	herbaceous legumes
<i>Satyrrium calanus</i> (Hubner 1808)	banded hairstreak	1	1	mixed deciduous forest	variety	oak, walnut, and hickory
<i>Strymon melinus</i> (Hubner 1818)	gray hairstreak	4	4	hilltops	variety	variety
Nymphalidae						
<i>Coenonympha tullia inornata</i>	common wood nymph	4	3	tall grass and open wood margins	sap, dung, and flowers	grasses
<i>Euphydryas phaeton</i> (Drury 1773)	Baltimore	9	3	bogs, marshes, wet meadows	variety	turtlehead and other perennials
<i>Megisto cymela</i> (Cramer 1777)	little wood satyr	16	11	tall grass and wood margins	sap, exudates, flowers	grasses
<i>Phyciodes tharos</i> (Drury 1773)	pearl crescent	11	6	open areas	variety	asters
<i>Polygonia comma</i> (Harris 1842)	comma	1	1	woodlands	sap, exudates	nettle, elms
<i>Polygonia interrogationis</i> (Fabricius 1798)	question mark	2	2	woodland openings	sap, exudates	elms, hackberry, nettle
<i>Speyeria cybele</i> (Fabricius 1775)	great spangled fritillary	9	5	woodland margins	variety	violets
<i>Vanessa virginiensis</i> (Drury 1773)	American painted lady	3	3	open areas	variety	pussytoes, everlastings
Papilionidae						
<i>Battus philenor</i>	pipevine swallowtail	6	3	deciduous forest	pink and purple flowers	birthworts
<i>Papilio glaucus</i>	tiger swallowtail	10	8	deciduous forest	tree and herb flowers	yellow poplar, cherry, ash, spicebush, lilac
<i>Papilio polyxenes</i> (Fabricius 1775)	black swallowtail	2	2	open fields	variety, incl. shrubs	parsleys
<i>Papilio troilus</i> (Linnaeus 1758)	spicebush swallowtail	3	3	semi-open woodlands	variety	sassafras and spicebush
Pieridae						
<i>Colias eurytheme</i> (Boisduval 1852)	orange sulphur	4	4	open fields	short flowers	alfalfa, clover, other legumes
<i>Colias philodice</i> (Godart 1819)	clouded sulphur	1	1	open fields	short flowers	clovers
<i>Pieris rapae</i> (Linnaeus 1758)	cabbage white	12	10	open areas	variety	herbaceous perennials

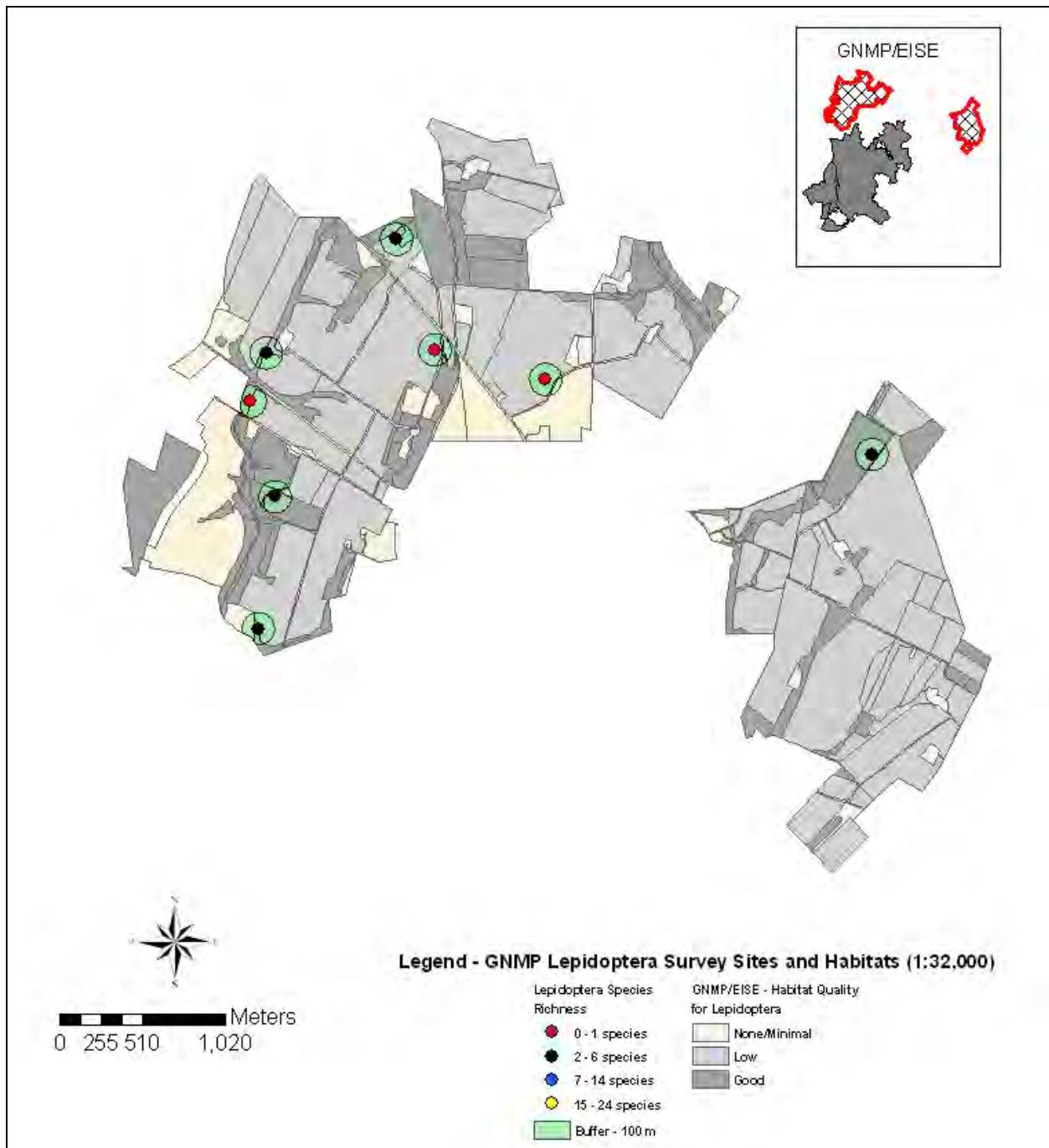


Figure 9a. Location of butterfly survey sites, coded for species richness showing habitat quality in the north part of GETT/EISE. The distance between the two north park sections is compressed for graphic display.

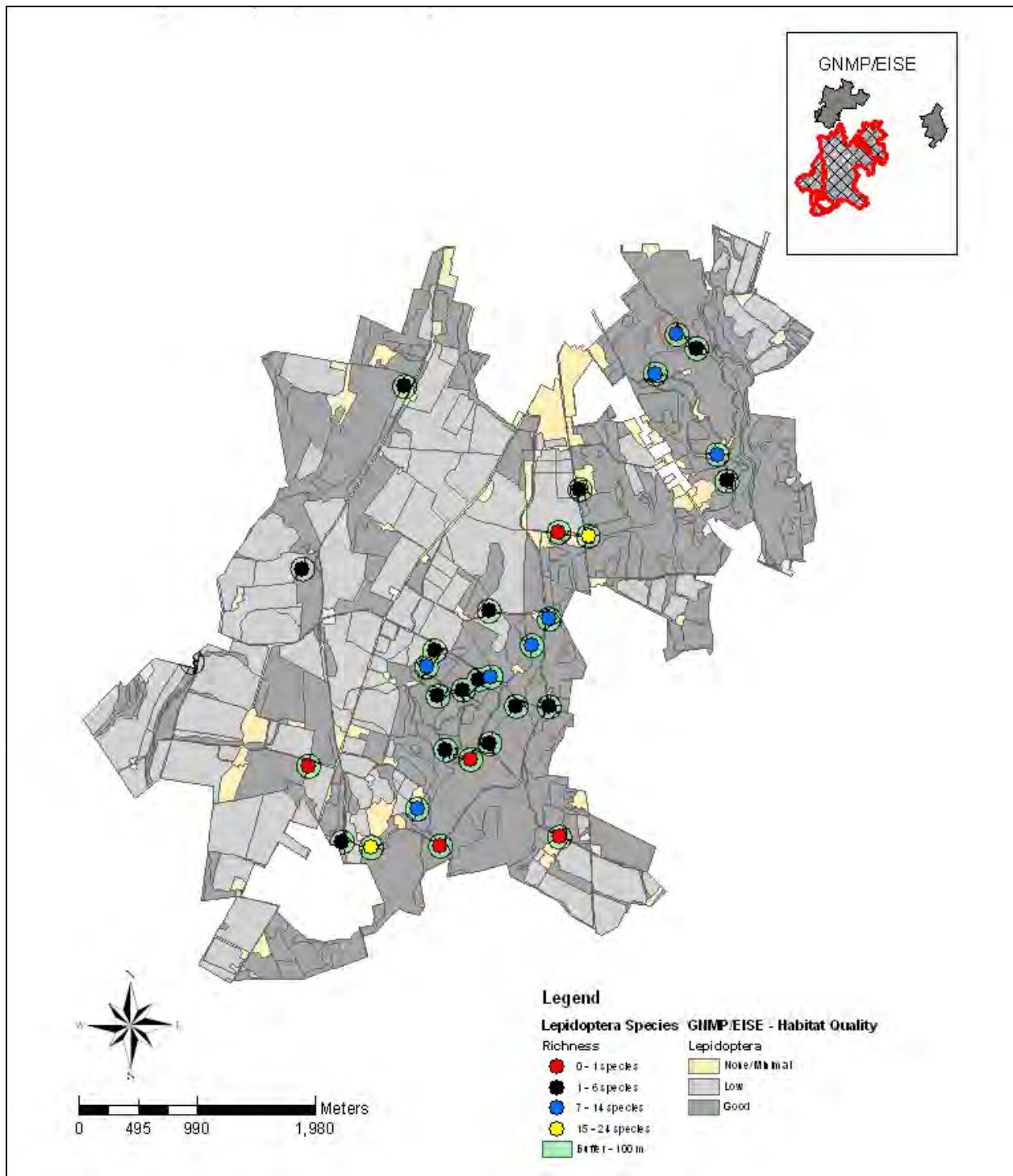


Figure 9b. Location of butterfly survey sites, coded for species richness showing habitat quality in the south part of GETT/EISE.

Table 4. Land-use categories for sixteen butterfly buffer areas whose species richness is above average (total sites = 34), and the count of sites that contain that category. Land-use categories are ranked by total area (m).

Land-use Category	Habitat Quality	Total Area (m)	Site Count
Deciduous Forest	Good	92,034	14
Seasonally Flooded Grassland	Good	52,824	6
Agricultural Land	Low	35,194	8
Temporarily Flooded Deciduous Forest	Good	34,489	6
Grassland	Good	32,655	9
Built-up Land	None/Min.	23,048	5
Grassland / Seasonally Flooded Grassland	Good	18,654	2
Transportation Corridor	Non/Min.	17,805	14
Agricultural Land / Seasonally Flooded Grassland	Good	12,510	1
Pasture	Good	12,180	3
Cleared Land	Non/Min.	11,548	1
Mixed Evergreen - Deciduous Shrubland	Good	9,963	1
Mixed Evergreen - Deciduous Forest	Good	1,817	1
River	Good	1,085	1
Deciduous Woodland	Good	680	1

(ranked by total area within a buffer): Mixed Evergreen-Deciduous Shrubland, Mixed-Evergreen - Deciduous Forest, River, and Deciduous Woodland, may deserve further attention in future monitoring efforts of butterflies.

Land-use categories and their total contribution within the park boundaries and to buffer areas can be found in Table 5. The top two most common land-use categories within GETT/EISE are Agricultural Land and Deciduous Forest. These two land-uses also rank highest in total percent of site buffers, making up greater than 50% of the total buffer area for survey sites. As part of our land-use analysis we also calculated the percent of the buffers overlapping with the forest management (tree removal) and the mow plan. Buffered survey sites intersecting with the forest management (tree removal) are depicted in Figures 10a and 10b, and survey site intersecting with mowed sites are in Figures 11a and 11b. Table 5 gives the total percent buffer area that overlaps with the forest management (tree cutting) areas and the mow plan areas. Agricultural Land and Deciduous Forest also rank relatively high in both the forest management areas and the mowing areas. Total % buffer area experiencing mowing impact is also relatively high in buffer with the land-use types of Agricultural Land/Seasonally Flooded Grassland, Transportation Corridor, and Grassland. Many land-use categories that are “Good” butterfly habitat are within the mow plan. To minimize impact on butterfly populations, best management practices would be to minimize mowing in these sites, and at minimum, only mow after June 29.

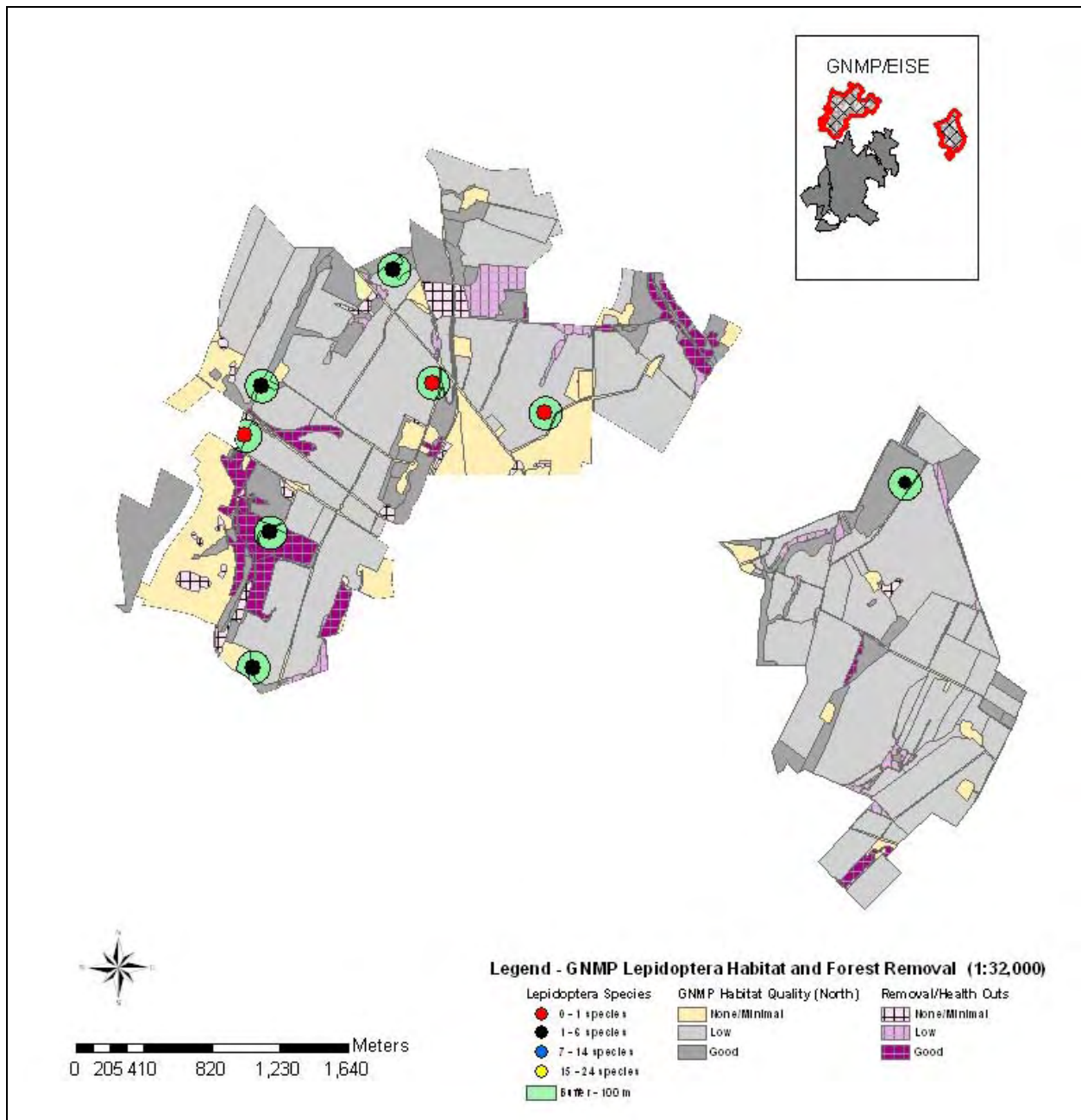


Figure 10a. Proximity and location of butterfly monitoring sites with habitat quality and location of forest management (cutting) within the northern portion of GETT/EISE. The distance between the two north sections is compressed for graphic display.

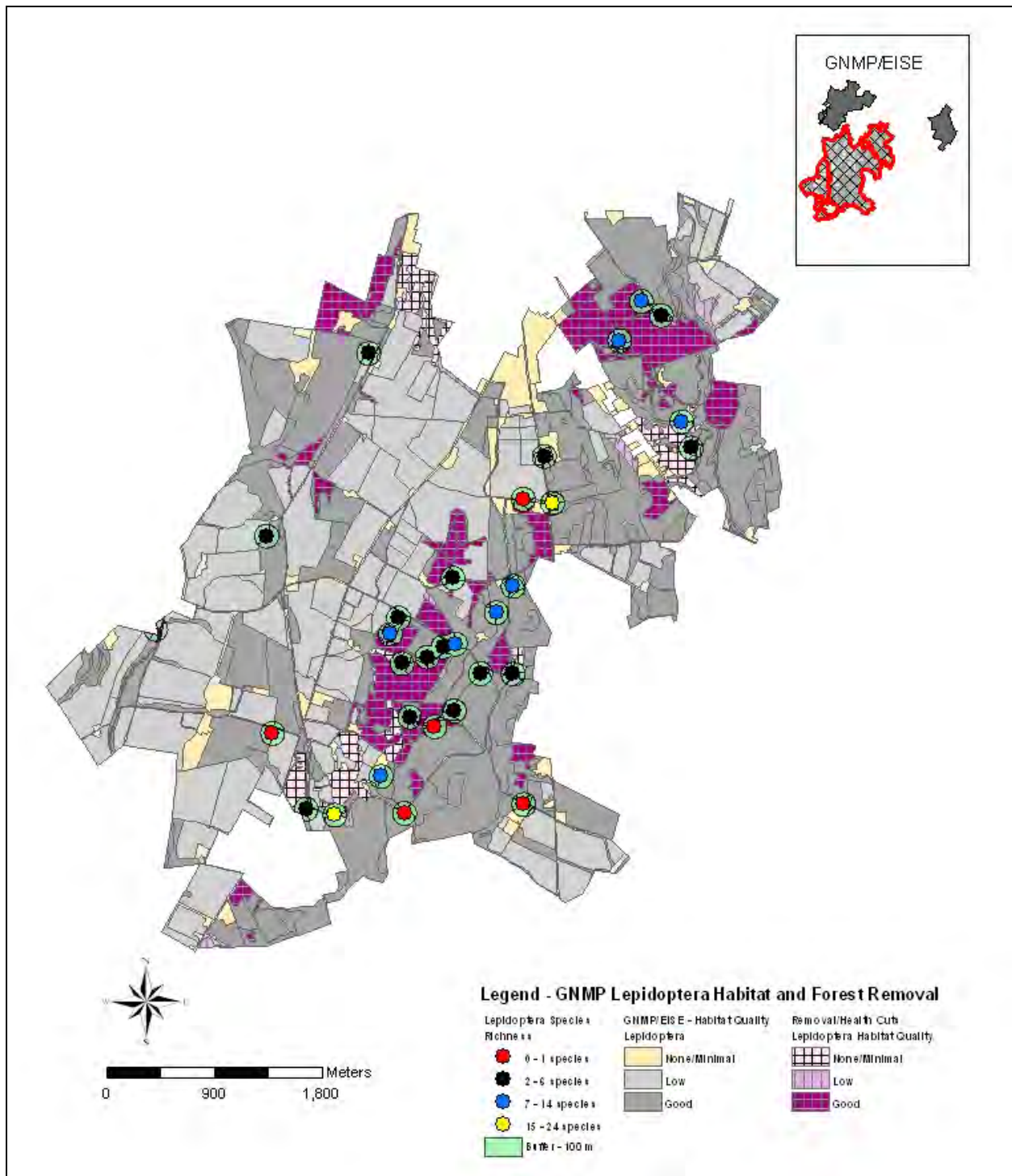


Figure 10b. Proximity and location of butterfly monitoring sites with habitat quality and location of forest management (cutting) in the south portion of GETT/EISE.

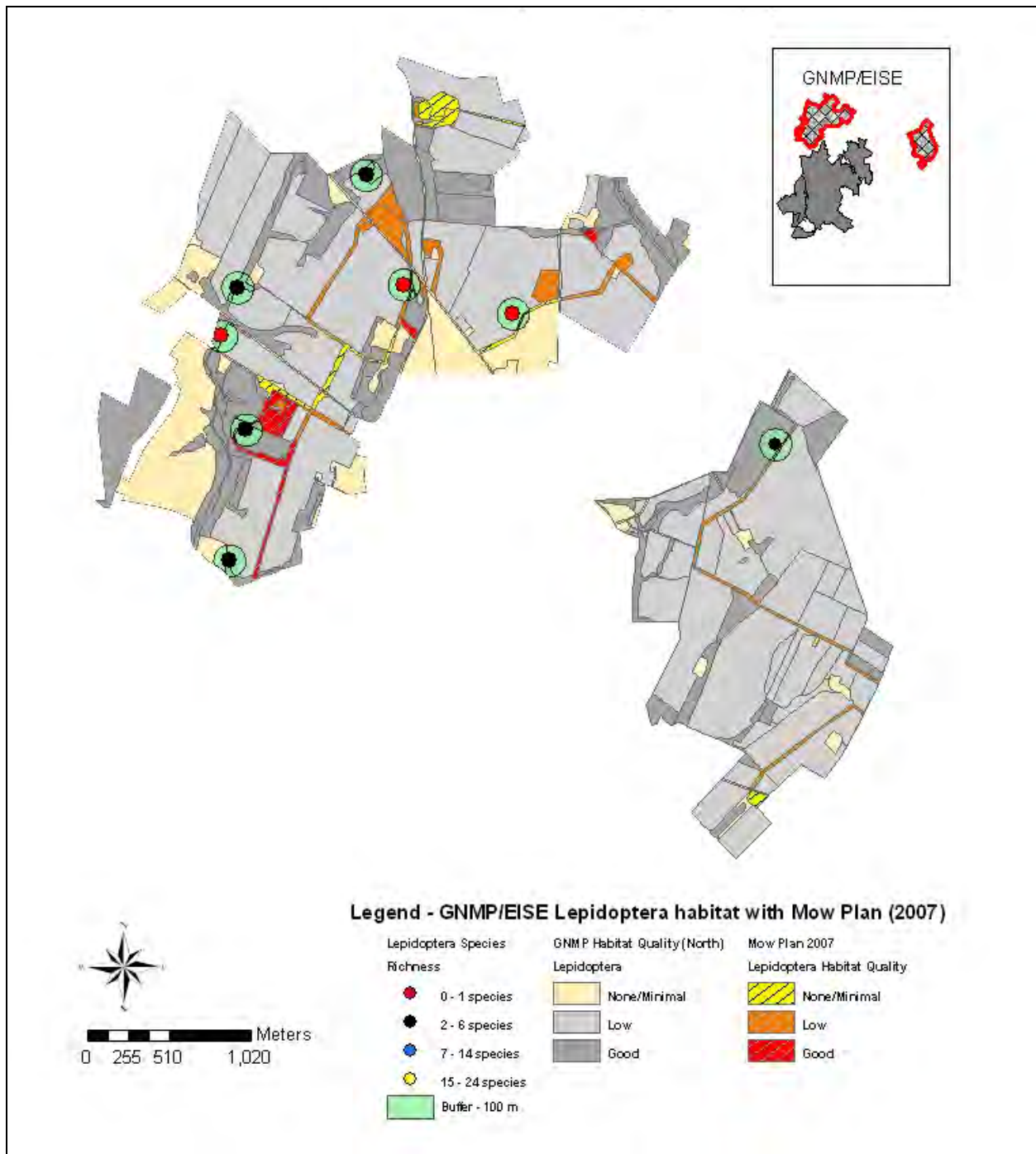


Figure 11a. Proximity and location of butterfly monitoring sites with habitat quality and location of mowing (2007 plan) in the north part of GETT/EISE. The distance between the two north park sections is compressed for graphic display.

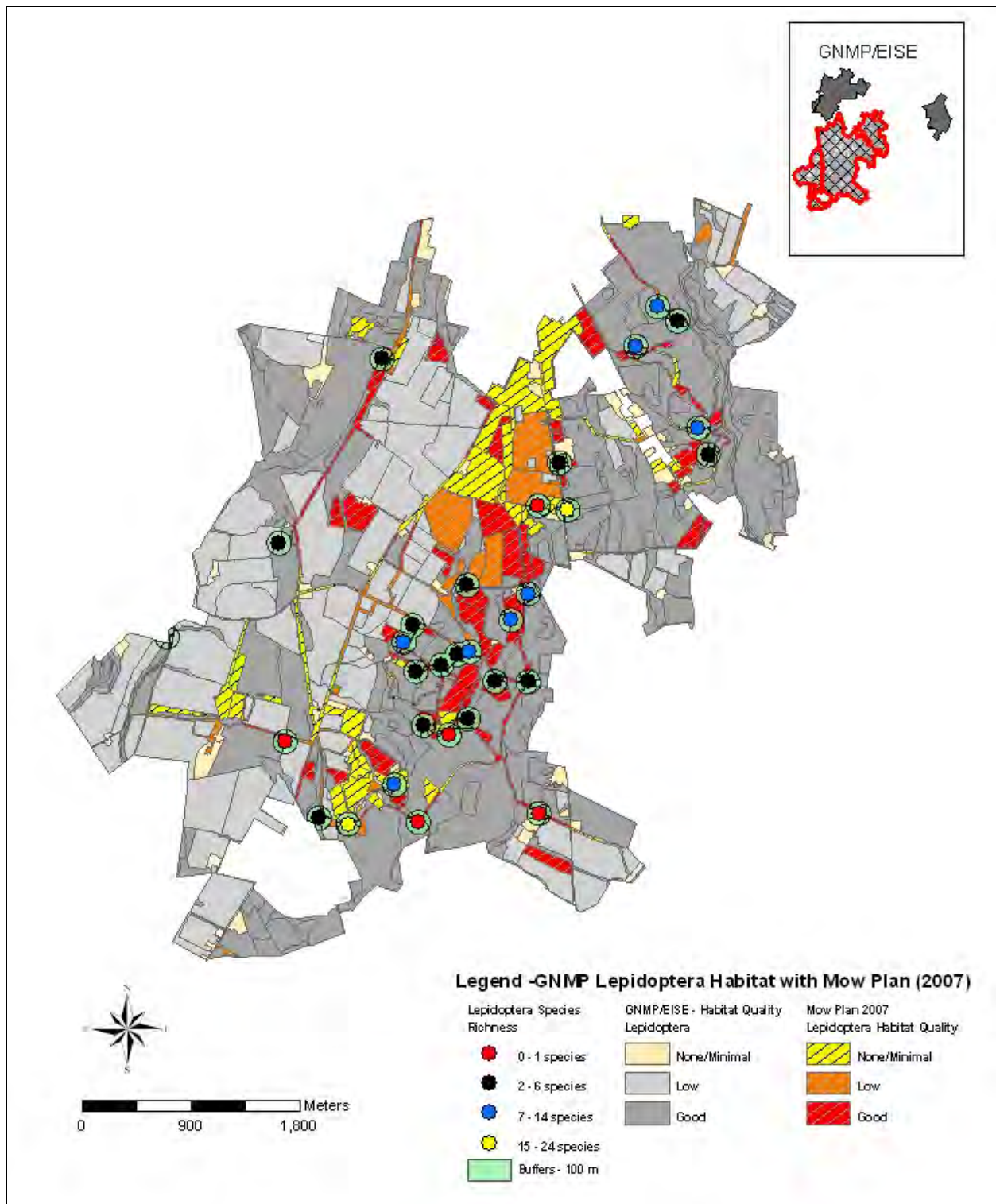


Figure 11b. Proximity and location of butterfly monitoring sites with habitat quality and location of mowing (2007 plan) in the south portion of GETT/EISE.

Table 5. Land-use categories and assigned habitat quality for the butterfly species analysis. Categories for habitat quality from lowest to highest are Non/Minimal, Low, and Good. These categories were established using the natural vegetation landcover information from VIP-GNMP file online, combined with consideration of the relative disturbance level of land-use (e.g., AgriculturalLand (Pasture) is assumed to have some natural vegetation cover and a moderate to low degree of disturbance, thus "Good" habitat).

Land-use Category from vegetation inventory program VEG_STRC (shapefile attribute - land use classification)	Habitat Quality	Total Area (m)	% Total Sample Site Buffers	% Total Buffer Area removed -- Tree Cuts	% Total Buffer Area - Mow Plan (2007)
Agricultural Land	Low	11,403,005	28.09	5.05	9.07
Agricultural Land (Pasture)	Good	1,860,772	11.30		
Agricultural Land / Seasonally Flooded Grassland	Good	773,427	4.98	0.46	11.92
Agricultural Land / Seasonally Flooded Grassland (cover crop)	Good	112,710	0.00		
Built-up Land	None/Min.	2,155,164	7.24	5.78	2.85
Cleared Land	Non/Min.	78,613	0.19	1.37	0.77
Deciduous Forest	Good	5,389,125	24.30	11.01	6.53
Deciduous Shrubland	Good	114,350	0.00		
Deciduous Woodland	Good	214,666	1.16		0.98
Evergreen Forest	Good	79,828	0.00		
Evergreen Woodland	Good	147,997	0.05		
Evergreen Woodland / Seasonally Flooded Grassland	Good	36,970	0.00		
Grassland	Good	36,970	3.74	5.45	8.41
Grassland / Seasonally Flooded Grassland	Good	192,625	0.72		0.39
Mixed Evergreen - Deciduous Forest	Good	629,039	0.41		0.41
Mixed Evergreen - Deciduous Shrubland	Good	231,984	1.80	0.03	0.23
Mixed Evergreen - Deciduous Woodland	Good	238,958	0.53		
Orchard	Low	69,634	0.00		
Pond	Good	57,279	0.00	0.0004	
River	Good	127,286	0.30		
Seasonally Flooded Grassland	Good	396,478	4.07		5.94
Temporarily Flooded Deciduous Forest	Good	1,160,758	4.74		0.66
Temporarily Flooded Deciduous Shrubland	Good	5,800	0.00		
Temporarily Flooded Deciduous Woodland	Good	64,739	0.00		
Transportation Corridor	None/Min.	591,204	6.38	1.6775	11.5

Finally, these land-use analyses are a first pass to examine how butterfly monitoring sites overlap with land-use. To do this analysis, we had to infer habitat quality by assigning broad habitat suitability categories to very broad categories of land-use without on-site verification. Ideally, future monitoring will clarify the actual habitat value for each parcel through direct habitat observation and description and species' presence and absence. Because landscapes are dynamic, we are confident that many of the habitat quality designations we applied will change due to on-site verification, to park management practices, and to land-use.

Our land-use analysis described the major kinds of land-uses within the park by area, indicated species richness patterns, and discussed these patterns relative to land-use and habitat quality. We revealed that land-use involving agriculture, deciduous forest, and grassland habitats are the most common for the species encountered in this survey (Tables 3 and 5). Furthermore, it appears that the GETT/EISE butterfly community could be better characterized by surveying those high quality habitats found to have higher than average species, but low land-use presence in this survey effort (Table 4). Finally, decisions to alter habitat within the park should be handled judiciously as to not impact these monitoring sites. Specifically, best management practices would be to avoid impact on edges of habitats (i.e., junctions of two or more undisturbed land-use types) and those areas with the host-plants listed in Table 4. Early season mowing can negatively impact butterflies by cutting host plants, reducing present and future nectar sources, and harming the early life stages of butterflies (Glassberg 1993). For best management practices for butterflies and to minimize impact, mowing should not occur before June 29th each year.

Development of Monitoring Plan

Monitoring areas provide a valuable opportunity to assess the Nation's biodiversity, particularly within areas restricted from development opportunities such as the network of the National Park system. As a group, arthropods are important to monitor, given the diversity of the ecosystem services they offer, including pollination, decomposition, and biological pest control of crops by natural enemies, to name only a few (Weisser and Siemann 2004). Arthropods represent a hyper diverse taxonomic group where monitoring only 10% of the diversity represents a great effort and requires many resources. Therefore, it is prudent to develop tools to minimize effort while maximizing information to best determine and apply informed management decisions and to effectively and efficiently study and preserve biodiversity.

A monitoring plan for the arthropod taxa of GETT/EISE is the intended product of this biodiversity inventory, assessment, and analysis. Our recommended monitoring plan is three fold: surrogate monitoring for overall diversity; monitoring at-risk or important taxa; and monitoring those taxa found in specialized habitats (specialists). Though our analysis was careful, reasonable, and ambitious, we remain tentative about the incompleteness of this suggested monitoring approach. That is, this approach is woefully incomplete without spatial and temporal population data, while at the same time, more species (e.g., Diptera) need to be identified and described with greater taxonomic resolution. Thus, our list of recommended taxa to monitor (discussed below) is but a first pass at the diversity analysis. This list is incomplete, and, furthermore, can be viewed as arbitrary because it was selected by hand-picking taxa that are easily identified. However, in many ways this list is ideal, as we selected taxa across several trophic groups or guilds, taxa that are known pests and invasive species, and sensitive species. Furthermore, developing such a monitoring list is a recursive process and in need of constant modification with each passing year because changing conditions over time and across the landscape will likely impact biodiversity.

Overall Diversity Analysis to develop a Monitoring Plan

An overall diversity analysis of the trap types common to all sites reveals the overall diversity that can be described for the three sampling sites (i.e., Big Round Top, Cadori-Trostle Thicket, and Yr 2000 Supplemental Sites). Multivariate analysis such as detrended correspondence analysis (DCA) and canonical correspondence analysis (CCA) capture variability between species and sample units. This variability can be plotted into two dimensional spaces to potentially reveal sample and species responses to underlying gradients, such as temperature and moisture. DCA and CCA are multivariate approaches that produce plots isolating these gradients which inform on patterns of local and regional diversity. For example, DCA and CCA reveal diversity patterns based on both taxonomic and sample variability captured during sampling by the insect trap methods and design. The difference between these two multivariate approaches center on whether the data are linearly distributed (use CCA) or unimodally distributed (use DCA), and this is discerned with preliminary DCA analyses described by McCune and Grace (2002).

Of all trap types used in this inventory, the traps that efficiently and on a repeatable basis capture the most overall variability are soil core, pitfall, beat sheet, and sweep net (Figure 12). The trap types that capture the most amount of variability across both axes are substrate search and beat sheet (Figure 12). This can be interpreted as the trap that captures the greatest amount of family

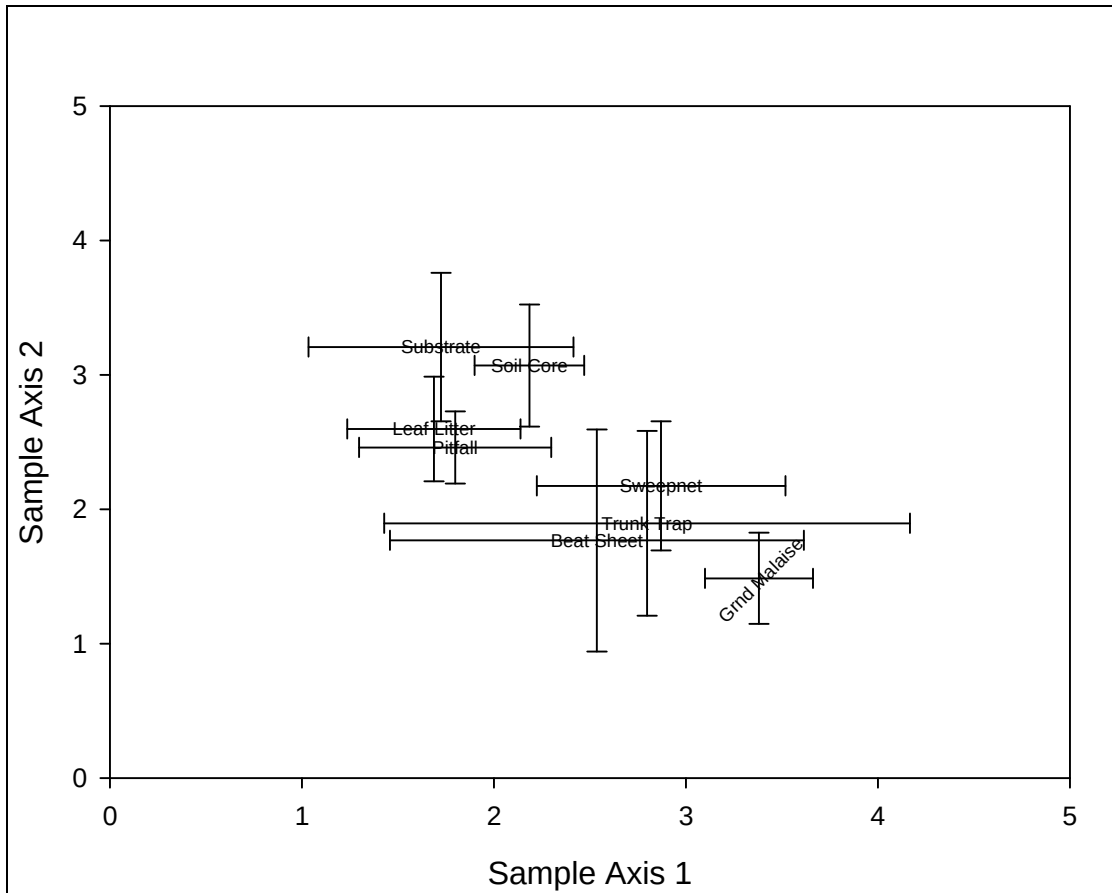


Figure 12. Detrended Correspondence Analysis biplot of mean scores $\pm$ SD for the family diversity within trap type.

diversity within a site. However, for monitoring purposes, we do not recommend substrate search because of the large error which is not analytically controlled. This may explain why the variability is large for substrate search in this analysis (Figure 12).

Equalizing sampling effort between samplers is nearly impossible unless the samplers are experienced experts. Instead, we recommend the combination of traps that capture the most amount of variability, which then roughly translates into the most amount of diversity as determined by this analysis. This combination includes soil core, pitfall, sweep net, and beat sheet. These four trap types were also used in a CCA (Figure 13). The data showed distinct clustering within each trap type, where there is also some degree of separation between trap types and across both axes. This indicates that each trap type has captured a large degree of the overall arthropod diversity, and these traps are suitable or good candidates for monitoring tools. Importantly, this analysis also revealed a gradient between the soil arthropods and the canopy arthropods. This pattern is visible in Figure 13 (axis 1 or the x-axis), and is a gradient also present in the diversity analysis of Shenandoah National Park arthropod data (Rohr et al. 2007).

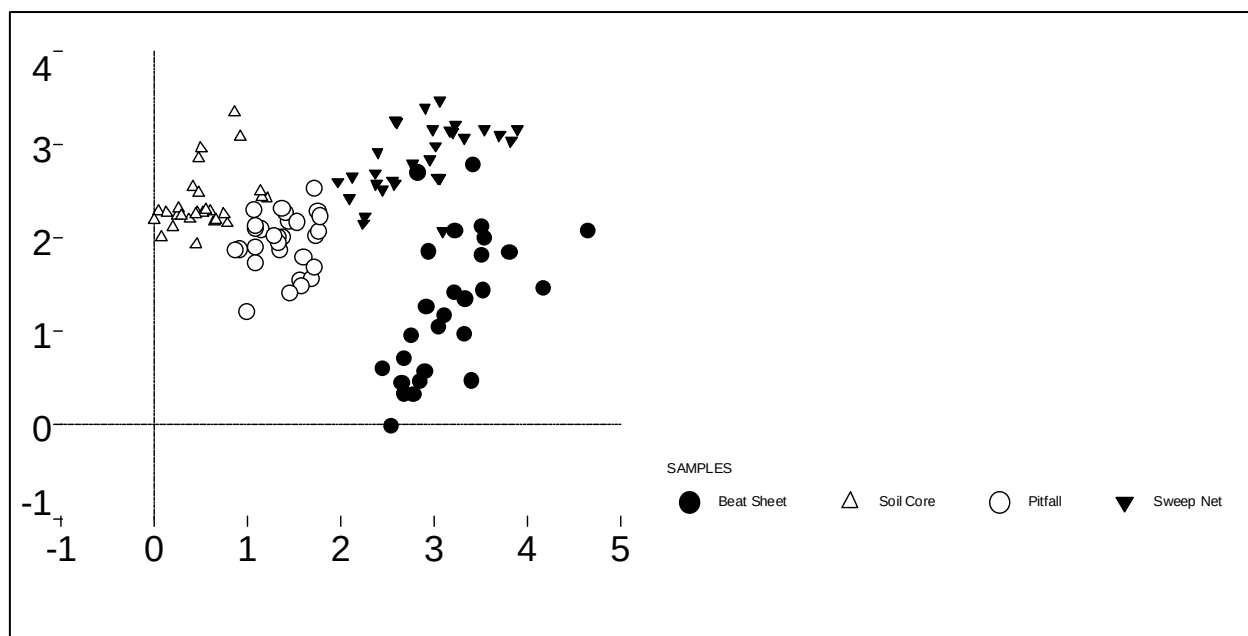


Figure 13. Canonical Correspondence Analysis (CCA) biplot using only the 4 trap types used for the rarefaction analysis. Each trap type is represented by a symbol and the x-axis represents axis 1, and the y-axis 2 from the CCA. Trap types demonstrate a diversity gradient response from soil to vegetation with clustering of soil traps on the left and vegetation traps on the right.

A surrogate analysis was performed to determine if the overall diversity could be summarized by sampling one group and answer the question: Does any one single group describe a large degree of the diversity once the species-area relationship is controlled for within the data? To do this, a hierarchical regression was performed by regressing residuals from the analysis of the individual orders against the residuals from the overall analysis. The individual order analysis consisted of regressing each order's species (family) richness (log transformed) against each order's abundance (log transformed). These residuals were regressed against the overall analysis residuals, which included a regression of richness against abundance for all orders combined, except the order of interest. The fit of the regressed residuals was analyzed using the r-value and its associated p-value. An r-value describes whether the population of points sampled is from a linear population or not. The r-value ranges between +1 and -1, and describes either a positive or negative linear relationship within the data. For example, an r-value of +1 is a positive linear relationship, and a -1 is a negative linear relationship.

Using the data from the same four trap types used in Figure 13, a hierarchical regression analysis was performed on 10 orders and the seven combinations of two orders combined against the overall diversity (Table 6). A replicate within this analysis was the set of individuals within a site/station/trap. There were three sites, 36 stations, and four trap types. Coleoptera, Hymenoptera, and Araneae are the orders with the greatest diversity. These three orders had high representation within all site/station/trap replicates and, sampled together, they encapsulate the greatest amount of overall diversity. All analyses passed tests of normality and homogeneity within the data. It should be noted that the kind of diversity that is described by this analysis is limited by the biases in the taxonomic identification process. That is, if all orders were identified

Table 6. Gettysburg National Park arthropod surrogate analysis results based on approach described by Rohr et al. (2007). By sampling Coleoptera, Hymenoptera, and Araneae, a large portion of the overall diversity will be captured because they are present at most sites, and these groups have the highest correlation in their richness-abundance ratios relative to overall combined richness-abundance ratio.

Surrogate Group	# of Replicates found in (77 total)	All taxa vs. Order R-value	Adj. R-sqr	All taxa vs. Order Slope	All taxa vs. Order P-value	Test 1*	Test 2*	Test 3*
Acari	26	0.7649	0.573	1.4123	0.0001	P	P	P
Araneae	49	0.6828	0.4508	1.2382	0.0001	P	P	P
Coleoptera	49	0.8221	0.6664	1.4301	0.0001	P	P	P
Collembola	44	0.5358	0.2664	1.0783	0.0001	P	P	P
Diptera	33	0.4754	0.2036	0.9949	0.0001	F	P	P
Hemiptera	17	0.8128	0.6508	1.4065	0.0001	P	P	P
Homoptera	36	0.8366	0.6912	1.4604	0.0001	P	P	P
Hymenoptera	55	0.7965	0.6238	1.3858	0.0001	P	P	P
Orthoptera	29	0.8092	0.6447	1.4071	0.0001	P	F	P
Psocoptera	33	0.8086	0.6439	1.4306	0.0001	P	P	P
Coleoptera+Hymenoptera	64	0.8242	0.67	0.4794	0.0001	P	P	F
Coleoptera+Araneae	63	0.9654	0.9301	-0.2148	0.07	F	P	P
Araneae+Hymenoptera	64	0.9608	0.9209	-0.1074	0.3747	F	P	P
Homoptera+Hymenoptera	65	0.971	0.9413	0.0313	0.8111	F	P	P
Homoptera+Araneae	57	0.962	0.9232	-0.3074	0.0103	F	P	P
Homoptera+Coleoptera	62	0.9705	0.9402	-0.1416	0.3242	F	P	P

*Test 1: All taxa vs. Order: Durbin-Watson Auto-Correlation of residuals

*Test 2: All taxa vs. Order: Normality of Variance

*Test 3: All taxa vs. Order: Constant Variance

unequally and/or sampled with unequal effort, the outcome may differ. However, though this uneven identification effort between groups can be seen as a limiting factor, it should also be noted that our results presented here are consistent with independent results published by Rohr et al. (2007), which had a greater degree of taxonomic resolution and groups identified and described.

At-Risk/Specialist/Important Taxa Monitoring Plan

This approach will provide managers with information on which taxa seem to specialize on one of the habitats that we surveyed (i.e., those include disproportionately found in only one habitat) and may be lost if a habitat is lost or altered. Specialist taxa's sensitivity puts them at risk. Because there are so few arthropod taxa listed on the endangered species registry, and these survey data are not completely identified to species level, it is not possible to make a more specific statement about at-risk taxa, aside from monitoring the specialist taxa.

Specialist taxa are useful for species monitoring because they have associations with specialized hosts or specific habitat requirements. Host resources, and subsequently their specialist consumers, are patchily distributed across the landscape, making both of them sensitive to change at multiple spatial scales. Natural and anthropogenic disturbances fragment or decrease already patchy resources, thereby limiting the number of suitable habitat patches to colonize. Fewer habitat areas increase the probability of local extinction of specialists or their resources. Resource sharing implies that other taxa also overlap in habitat needs with specialists; therefore, we can also expect similar responses by other taxa to habitat loss (Thomas 2005). Thus, specialists make for a unique group to monitor overall biodiversity and may provide a unique perspective on monitoring biodiversity.

Appropriate monitoring of specialists involves extensive spatial and temporal monitoring of host and specialists populations. This comprehensive approach portrays an accurate picture of natural variability of specialist and host populations. Thus, knowing natural variability and local extinction patterns is important to not mistake local population decline for regional or global extinction. Because extensive spatial and temporal data are unavailable for most species, we suggest monitoring high profile specialist taxa already known to be sensitive and even in a state of decline. With the recent national focus on Colony Collapse Disorder of the commercial pollinating European honey bee, pollinating insects and specifically native pollinators are the most prudent group to monitor, as this action will fulfill the need to monitor taxa specializing on local resources in both the natural and agricultural areas that make up GETT/EISE.

Taxonomic identification of the GETT/EISE inventory at the species level was limited by expert availability and funds. For trophic and habitat specialist taxa, we recommend monitoring these at-risk, specialist, and important taxa within GETT/EISE, including the Lepidoptera (i.e., butterflies and moths) (Tables 5 and 7), declining pollinating insects historically found in Pennsylvania (NRC 2007) (Table 8), and all bee taxa (NRC 2007). Butterfly taxa found in GETT/EISE represent ideal specialist taxa to monitor because they depend on many habitat types, and as a group they have a diverse host base. We also recommend, when possible, the preservation of the host taxa listed in Tables 5 and 7 because specialist hosts are often patchily distributed, and preserving host taxa will support specialist population persistence and insure persistence threatened by habitat fragmentation elsewhere on the landscape. Because the GETT/EISE area has mixed agricultural and natural lands, we suggest participating in reporting

Table 7. Butterfly Taxa of GNMP/EIS with host plant or host plant groups and host status.

Family	Common name	Host plant or plant groups	Host status
Hesperiidae			
<i>Epargyreus clarus</i> (Cramer 1779)	silver-spotted skipper	black locust, wisteria, other legumes	?
<i>Erynnis brizo</i> (Boisduval & LeConte 1834)	sleepy dusky wing	bear oak and other shrubby oaks	?
<i>Erynnis juvenalis</i> (Fabricius 1793)	juvenal's dusky wing	oaks	common
Lycaenidae			
<i>Calycopis cecrops</i> (Fabricius 1793)	red-banded hairstreak	dead leaves of sumacs, myrtle, oaks	common
<i>Celastrina agriolus</i> (Linnaeus 1758)	spring azure	flowers of various woody plants	common
<i>Satyrium calanus</i> (Hübner 1808)	banded hairstreak	oaks,walnuts, hickories	common
Papilionidae			
<i>Battus philenor</i> (Linnaeus 1751)	pipevine swallowtail	pipe vines	?
<i>Papilio glaucus</i> (Linnaeus 1758)	tiger swallowtail	trees, poplar, cherry, sweet bay	?
<i>Papilio troilus</i> (Linnaeus 1758)	spicebush swallowtail	sassafras, spicebush	?
Meadow/field hosts			
Hesperiidae			
<i>Ancyloxypha numitor</i> (Fabricius 1793)	least skipper	grasses	common
<i>Atalopedes campestris</i> (Boisduval 1852)	sachem	grasses	common
<i>Euphys dion</i> (Edwards 1879)	Dion skipper	sedges	wet meadow
<i>Poanes hobomok</i> (Harris 1862)	hobomok skipper	panic grasses, blue grasses	common?
<i>Polites mystic</i> (Edwards 1863)	long dash	bluegrasses	common?
<i>Polites peckius</i> (Kirby 1837)	Peck's skipper	grasses	common
<i>Polites thermistocles</i> (Latreille 1824)	tawny-edged skipper	panic grasses	common?
<i>Pompeius verna</i> (Edwards 1862)	little glassy wing	purpletop and other grasses	common?
<i>Pyrgus communis</i> (Grote 1872)	checkered skipper	mallows, hollyhock	common?
<i>Thorybes pylades</i> (Scudder 1870)	northern cloudy wing	clovers, veteches, other legumes	common
<i>Thymelicus lineola</i> (Ochsenheimer 1808)	European skipper	timothy grass	common?
Lycaenidae			
<i>Everes comyntas</i> (Godart 1824)	eastern tailed blue	flowers and seeds of herbaceous legumes	common
<i>Lycaena phlaeas</i> (Linnaeus 1761)	little copper	sheep sorrel	?
<i>Satyrium calanus</i> (Hübner 1808)	banded hairstreak	oaks,walnuts, hickories	common
<i>Strymon melinus</i> (Hübner 1818)	gray hairstreak	flowers and fruits of herbs	common

Family	Common name	Host plant or plant groups	Host status
Nymphalidae			
<i>Coenonympha tullia inornata</i> (Muller 1764)	common wood nymph	grasses and rushes	
<i>Danaus plexippus</i> (Linnaeus 1758)	monarch	milkweed	common
<i>Euphydryas phaeton</i> (Drury 1773)	Baltimore	turtlehead, beardtongue, false foxglove	wet meadow
<i>Megisto cymela</i> (Cramer 1777)	little wood satyr	grasses	common
<i>Phyciodes tharos</i> (Drury 1773)	pearl crescent	asters	common
<i>Polygonia comma</i> (Harris 1842)	comma	nettle, false nettle, elms, hops	locally common?
<i>Polygonia interrogationis</i> (Fabricius 1798)	question mark	elms, hackberry, nettle, false nettle	locally common?
<i>Speyeria cybele</i> (Fabricius 1775)	great spangled fritillary	violets	common?
<i>Vanessa atalanta</i> (Linnaeus 1758)	red admiral	nettles, false nettle, wood nettle, pellitory	locally common?
<i>Vanessa virginiensis</i> (Drury 1773)	American painted lady	compositae, everlastings, pussy toes	common
Papilionidae			
<i>Papilio polyxenes</i> (Fabricius 1775)	black swallowtail	Umbeliferae, Queen Anne's lace	common
Pieridae			
<i>Colias eurytheme</i> (Boisduval 1852)	alfalfa butterfly	legumes	common
<i>Colias philodice</i> (Godart 1819)	clouded sulphur	legumes	common
<i>Pieris rapae</i> (Linnaeus 1758)	cabbage white	brassicae	common

Table 8. Subset of declining pollinating insects historically found in Pennsylvania (determined by the Xerxes Society and their Red List of Pollinating Insects of North America, published in National Research Council, Status of Pollinators in North America 2007). None of these taxa were detected at the GNMP/EISE in the 1999-2000 inventory and survey efforts. However due to their sensitive status, these taxa should be included in future monitoring efforts (Table 9) and can be detected with the recommendations that accompany this report.

Name	Family	Common name	Status
<i>Atrytone arogos</i>	Hesperiidae	arogos skipper	vulnerable
<i>Calephelis borealis</i>	Lycaenidae	northern metalmark	vulnerable
<i>Callophrys irus</i>	Lycaenidae	forested elfin	imperiled
<i>Erora laeta</i>	Lycaenidae	early hairstrek	vulnerable
<i>Erynnis persius persius</i>	Hesperiidae	persius duskywing	imperiled
<i>Speyeria idalia</i>	Nymphalidae	regal fritillary	vulnerable
<i>Epeoloides pilosula</i>	Hymenoptera: Apidae	-----	imperiled

monitoring data of European honey bee and native pollinator population data on up and coming Web-based databases. This will be an important data contribution to such a large-scale monitoring approach given the protective and agricultural nature of GETT/EISE.

Pest Taxa Plan

Pest taxa and potential pest taxa should be monitored to assist managers with decisions that may impact overall park diversity and arthropod diversity. Arthropod pests can pose a serious threat to other diversity resources such as tree and plant taxa and, because of their relative short generation times, arthropod pests can rapidly reach outbreak levels. Arthropod taxa recognized as important insect pests of Pennsylvania's forests by the Dept. of Conservation and Natural Resources (www.DCNR.state.pa.us/forestry/pests/index.aspx) total 15 in number at present and are described in Table 9. Some of these species are exotic, while others are native species that can reach pest status or have the capability of transmitting pathogens. Although none of these taxa were identified from the inventory effort, these taxa can likely be detected by the traps recommended for standard monitoring, including soil core, invertebrate pitfall, sweep net, beat sheet, and ground malaise traps.

Invasive Taxa Plan

Invasive species are one of the most serious problems facing park managers and conservation biology efforts. Invasive species cost the United States economy many millions of dollars each year, so their monitoring cannot be over-emphasized. Invasive species are more than exotic species – “.....invasive species are nonnative species whose introduction causes or is likely to cause economic or environmental harm or harm to human health” (USDA-NICIS 2009).

Known invasive taxa were determined from the GETT/EISE inventory database by comparing the GETT/EISE species list to the list of invasive and exotic insects from The University of Georgia's Center for Invasive Species and Ecosystem Health (Bugwood Network). Six invasive taxa were found in the GETT/EISE database (Table 10). These taxa would most likely be detected in most traps, but were caught using a ground malaise trap during the inventory effort.

Table 9. Important insect and disease pests of Pennsylvania's Forests as determined by the DCNR of Pennsylvania (www.dcnr.state.pa.us/forestry/pests/index.aspx).

Name	Family	Common Name	Host
<i>Malacosoma americanum</i> (N)	Lasiocampidae	eastern tent caterpillar	black cherry, apple and crabapple trees
<i>Cryptococcus fagisuga</i> (I)	Eriococcoidae	beech scale insect	American beech
<i>Alsophila pometaria</i> (N)	Geometridae	fall cankerworm	maples, beech, apple, hickory, basswood, and oaks
<i>Malacosoma distria</i> (N)	Anthelidae	forest tent caterpillars	maples, beech, aspen, and oaks as well as other hardwoods
<i>Adelges tsugae</i> (I)	Adelgidae	hemlock woolly adelgid	hemlock
<i>Archips semiferana</i> (I)	Tortricidae	oak leafroller	oaks
<i>Agrilus bilineatus</i> (N)	Buprestidae	two lined chestnut borer	chestnut, oak
Scale insects (N & I)	Coccoideae	scale insects	many hosts: tulip tree, hemlock scale, pine needle scale
<i>Pissodes strobi</i> (N)	Curculionidae	white pine weevil	eastern white pine and Norway spruce
<i>Adelges abietis</i> (I)	Adelgidae	spruce gall adelgid	Norway spruce
<i>Adelges cooleyi</i> (N)	Adelgidae	cooley spruce gall	blue, white, sitka, and Englemann spruces
Leaf gall (N)	Cynipidae (Hymenoptera) and Cecidomyiidae (Diptera)		many hosts, especially oaks
<i>Lymantria dispar</i> (I)	Lymantriidae	asian gypsy moth	favor oak but will feed on many tree species, including some conifers.
<i>Hyphantria cunea</i> (N)	Arctiidae	fall webworm	black cherry, walnut, hickory, and mulberry
<i>Ennomos subsignarius</i> (N)	Geometridae	elm spanworm	red and sugar maple, basswood, hickories, apple, American hornbeam, hawthorn, serviceberry, witch hazel, and elm

(N) native

(I) probably introduced

Table 10. Taxa known to be invasive that were found in the 1999 surveys at GNMP/EISE. Status was determined from the Invasive.org website (<http://www.invasive.org/insects.cfm>). Invasive.org is a joint project of The Bugwood Network, USDA Forest Service and USDA APHIS PPQ. The University of Georgia - Warnell School of Forestry and Natural Resources and College of Agricultural and Environmental Sciences - Dept. of Entomology.

Name	Family	Common name	Order	Comments
<i>Ophiomyia phaseoli</i>	Agromyzidae	bean fly	Diptera	CT & BR; 3 stations (3 indiv.); Trap by GM & SW
<i>Agrilus</i> sp. (<i>Agrilus biguttatus</i>)	Buprestidae	oak spendour beetle	Coleoptera	BR; 4 stations (9 indiv. of 3 morpho); Trap by BE, SW, GM, TR
<i>Agrilus</i> sp. (<i>Agrilus planipennis</i>)	Buprestidae	emerald ash borer	Coleoptera	BR; 4 stations (9 indiv. of 3 morpho); Trap by BE, SW, GM, TR
<i>Xylotrechus colonus</i>	Cerambycidae	rustic borer	Coleoptera	BR; 1 station (1 indiv.); GM Trap
<i>Phyllophaga</i> spp. (2 taxa in genus)	Scarabidae	June beetles	Coleoptera	BR; 1 station (2 indiv.); LT Trap
<i>Popilla japonica</i>	Scarabidae	Japanese beetle	Coleoptera	BR; 1 station (1 indiv.); Incidental trap

Key to abbreviations includes sites:

BR (Big Round Top)

CT (Cadon-Trostle Thicket)

Key to abbreviations for trap types:

GM (Ground Malaise Trap)

SW (Sweep Net Trap)

BE (Beat Sheet Trap)

TR (Trunk Trap)

LT (Light Trap).

Monitoring Summary

All recommended monitoring taxa are summarized in Table 11, including the sixteen taxa described in Table 1. Table 9 is a summary of all taxa from Tables 7 through 10 grouped by order and family.

1. Overall biodiversity should be monitored as extensively as park resources allow. This analysis determined that the insect traps most useful in capturing the GETT/EISE arthropod biodiversity signal are: ground malaise, invertebrate pitfall, soil core, sweep net, and beat sheet. All arthropod orders should be monitored, but the arthropod orders determined to have the highest degree of diversity in the GETT/EISE include: Coleoptera, Hymenoptera, and Araneae (Table 6). These orders should receive the most identification effort when monitoring for overall biodiversity of arthropods.
2. Specialists taxa must be monitored and should include bee (Hymenoptera) and butterfly (Lepidoptera) taxa (Tables 3, 7 and 8). Butterfly surveys should be on-going, particularly in areas that have under-surveyed or have low-representative land-use types within the park (Table 4). Such areas may harbor additional specialists that were not detected by this inventory effort.
3. We recommend monitoring a select representative group of taxa which are locally relevant, and easily identified to the species level. The criteria used to select these taxa include: taxa from multiple trophic and habit types; taxa having a range of abundances recorded by the inventory (i.e., rare species of a single individual and common species of 256 individuals); taxa present at a number of sampling stations; taxa that are easily captured by ground malaise, sweep net, soil core, invertebrate pitfall, or beat sheet trap types. Photos of these taxa are in Appendix D.
4. Pest and invasive taxa should also be monitored (Tables 9 and 10).

Table 11. Summary table representing the collection of 92 taxa recommended for monitoring including sensitive taxa, pests, invasives, and taxa commonly found at GNMP/EIS. This table represents a summarized version of all taxa included in Tables 3 through 8.

Order	Family	Genus/Species	Status
Araneae	Agelinidae	<i>Agelinopsis pennsylvanica</i>	GETT
	Oxyopidae	<i>Oxyopes</i> sp.	GETT
Blattoidea	Blatellidae	<i>Parcoblatta virginica</i>	GETT
Coleoptera	Buprestidae	<i>Agrilus bilineatus</i>	pest
		<i>Agrilus</i> sp. (<i>Agrilus biguttatus</i>)	exotic
		<i>Agrilus</i> sp. (<i>Agrilus planipennis</i>)	exotic
	Cerambycidae	<i>Xylotrechus colonus</i>	exotic
	Chrysomelidae	<i>Metrioria</i> sp.	GETT
		<i>Systema hudsonias</i>	GETT
	Cicadellidae	<i>Cicidela sexguttata</i>	GETT
	Curculionidae	<i>Pissodes strobi</i>	pest
	Passalidae	<i>Odontotaenius disjunctus</i>	GETT
	Scarabidae	<i>Phyllophaga</i> spp.	exotic
		<i>Popilla japonica</i>	exotic
Diptera	Agromyzidae	<i>Ophiomyia phaseoli</i>	exotic
	Asilidae	<i>Leptogaster flavipes</i>	GETT
	Cecidomyiidae	leaf gall	pest
	Chloropidae	<i>Oscinella frit</i>	GETT
	Dolichopodidae	<i>Chrysotus obliquus</i> complex	GETT
	Pipunculidae	<i>Pipunculus</i> (<i>Eudorylas</i>) sp.	GETT
Homoptera	Adelgidae	<i>Adelges abietis</i>	pest
		<i>Adelges cooleyi</i>	pest
		<i>Adelges tsugae</i>	pest
	Ceropidae	<i>Philaenus spumarius</i>	GETT
	Cicadellidae	<i>Agallia constricta</i>	GETT
	Coccoidea	scale insects	pest
	Eriococcidae	<i>Cryptococcus fagisuga</i>	pest
Hymenoptera	Apidae	<i>Apis</i> sp.	specialists
		<i>Centris</i> sp. (1)	specialists
		<i>Centris</i> sp. (2)	specialists
		<i>Epeoloides pilosula</i>	poll
		<i>Euglossini</i> sp.	specialists
		<i>Meliponini</i> sp.	specialists
	Colletidae	<i>Ptiloglossa</i> sp.	specialists
	Cynipidae	leaf gall	pest
	Formicidae	<i>Camponotus</i> sp. 1	GETT
	Halictidae	<i>Megalopta</i> sp.	specialists
		<i>Rhinotula</i> sp.	specialists
	Ichneumonidae	<i>Ophion</i> sp.	GETT
	Megachilidae	<i>Megachile</i> sp.	specialists
		<i>Osmia</i> sp.	specialists
Lepidoptera	Anthelidae	<i>Malacosoma distria</i>	pest
	Arctiidae	<i>Hyphantria cunea</i>	pest
	Geometridae	<i>Alsophila pometaria</i>	pest
		<i>Ennomos subsignarius</i>	pest
	Hesperiidae	<i>Ancyloxypha numitor</i> (Fabrisius 1793)	specialists
		<i>Atalopedes campestris</i> (Boisduval 1852)	specialists
		<i>Atrytone arogos</i>	poll
		<i>Epargyreus clarus</i> (Cramer 1779)	specialists
		<i>Erynnis brizo</i> (Boisduval & LeConte 1834)	specialists
		<i>Erynnis juvenalis</i> (Fabricius 1793)	specialists
		<i>Erynnis persius persius</i>	poll
		<i>Euphys dion</i> (Edwards 1879)	specialists
		<i>Poanes hobomok</i> (Harris 1862)	specialists

Order	Family	Genus/Species	Status
Lepidoptera (cont)	Hesperiidae (cont)	<i>Polites mystic</i> (Edwards 1863)	specialists
		<i>Polites peckius</i> (Kirby 1837)	specialists
		<i>Polites termistocles</i> (Latreille 1824)	specialists
		<i>Pompeius verna</i> (Edwards 1862)	specialists
		<i>Pyrgus communis</i> (Grote 1872)	specialists
		<i>Thorybes pylades</i> Scudder 1870)	specialists
		<i>Thymelicus lineola</i> (Ochsenheimer 1808)	specialists
	Lasiocampidae	<i>Malacosoma americanum</i>	pest
	Lycaenidae	<i>Calephelis borealis</i>	poll
		<i>Callophrys irus</i>	poll
		<i>Calycopis cecrops</i> (Fabricius 1793)	specialists
		<i>Celastrina agriolus</i> (Linnaeus 1758)	specialists
		<i>Erora laeta</i>	poll
		<i>Everes comyntas</i> (Godart 1824)	specialists
		<i>Lycaena phlaeas</i> (Linnaeus 1761)	specialists
		<i>Satyrion calanus</i> (Hübner 1808)	specialists
		<i>Strymon melinus</i> (Hübner 1818)	specialists
	Lymantriidae	<i>Lymantria dispar</i>	pest
	Nymphalidae	<i>Coenonympha tullia inornata</i> (Muller 1764)	specialists
		<i>Danaus plexippus</i> (Linnaeus 1758)	specialists
		<i>Euphydryas phaeton</i> (Drury 1773)	specialists
		<i>Megisto cymela</i> (Cramer 1777)	specialists
		<i>Phyciodes tharos</i> (Drury 1773)	specialists
		<i>Polygonia comma</i> (Harris 1842)	specialists
		<i>Polygonia interrogationis</i> (Fabricius 1798)	specialists
		<i>Speyeria cybele</i> (Fabricius 1775)	specialists
		<i>Speyeria idalia</i>	poll
		<i>Vanessa atalanta</i> (Linnaeus 1758)	specialists
		<i>Vanessa virginiensis</i> (Drury 1773)	specialists
	Papilionidae	<i>Battus philenor</i> (Linnaeus 1751)	specialists
		<i>Papilio glaucus</i> (Linnaeus 1758)	specialists
		<i>Papilio polyxenes</i> (Fabricius 1775)	specialists
		<i>Papilio troilus</i> (Linnaeus 1758)	specialists
	Pieridae	<i>Colias eurytheme</i> (Boisduval 1852)	specialists
		<i>Colias philodice</i> (Godart 1819)	specialists
		<i>Pieris rapae</i> (Linnaeus 1758)	specialists
	Tortricidae	<i>Archips semiferrana</i>	pest
Orthoptera	Gyllidae	<i>Oecanthus</i> sp.	GETT

Abbreviations for status:

GETT (GNMP/EIS monitoring spp)

Pest (Disease Pest)

Exotic (Invasive/Exotic)

Poll (Declining Pollinator)

Specialists (Pollinator of interest, Habitat Specialists).

General Sampling Guidelines

Monitoring is an important component of understanding and evaluating diversity, and enables us to establish guidelines to foster and protect biodiversity. Also important is the value of knowing the population status of local pests, including both native and introduced species. Thus, regular monitoring of insect species deserves serious consideration. Annual monitoring is recommended because insect populations fluctuate widely from year to year, and insect generation times vary widely from species to species. Some species reproduce every two weeks producing several generations per year, while other species will have only one or two reproductive events per year in temperate regions. Cicadas, a plant-loving species in the Eastern US reproduces only once every 13 to 17 years and are the extreme, and do have impacts on our forest (Yang 2008). Because of this variation in life-history and generation time, annual monitoring is recommended to capture the overall biodiversity signal, which consists of many taxa having low overall abundances and difficult to detect.

Here we present an ecological analysis of inventory data for the express purpose of developing a monitoring plan for GETT/EISE. Our recommendations include taxa that we know to be habitat and trophic specialists, important pollinators, pests, and exotic species. With continued monitoring effort, however, adjustments will have to be made to this list.

The sampling methods and protocols here are strictly recommendations based on experience and commonly used approaches as described in monitoring literature (Hill et al 2005). Modifications will likely be needed for the sampling methods and approaches. Similarly, the taxa that are selected for monitoring within GETT/EISE as described by the arthropod analysis may also have to be revised depending on current and changing conditions within GETT/EISE.

An argument must be made here for the separate handling of butterflies (Lepidoptera) from the rest of the sampling regime. First, butterflies and moths are important native pollinators, so it is important to closely monitor their presence and abundance given the recent focus on maintenance of native pollinator populations. Second, butterflies and moths need a separate survey because they are highly mobile. This group will be largely missed if monitoring only employed the trap types or sampling techniques recommended by the overall report, which is largely aimed at capturing overall diversity and ineffective for capturing Lepidoptera diversity.

Sampling arthropods should be done on bright, sunny, and warm days (> 11 degrees C if sunny, and >17 degrees C if cloudy) from May through August. Sampling should not occur on rainy days. Sampling should take place between 0700 and 1030 h on a given day, especially for the beat sheet and sweep net samples

Site Selection: a GIS-based approach

The recommended sampling approach for GETT/EISE should span and include all major land-use types (Table 5 and Figure 14). It is important that monitoring also occurs in areas where park management activities take place (e.g., areas of health cuts and mowing).

A stratified random sampling approach is recommended (McCune & Grace 2002), where random sites are selected within each of the three major land-use types described above

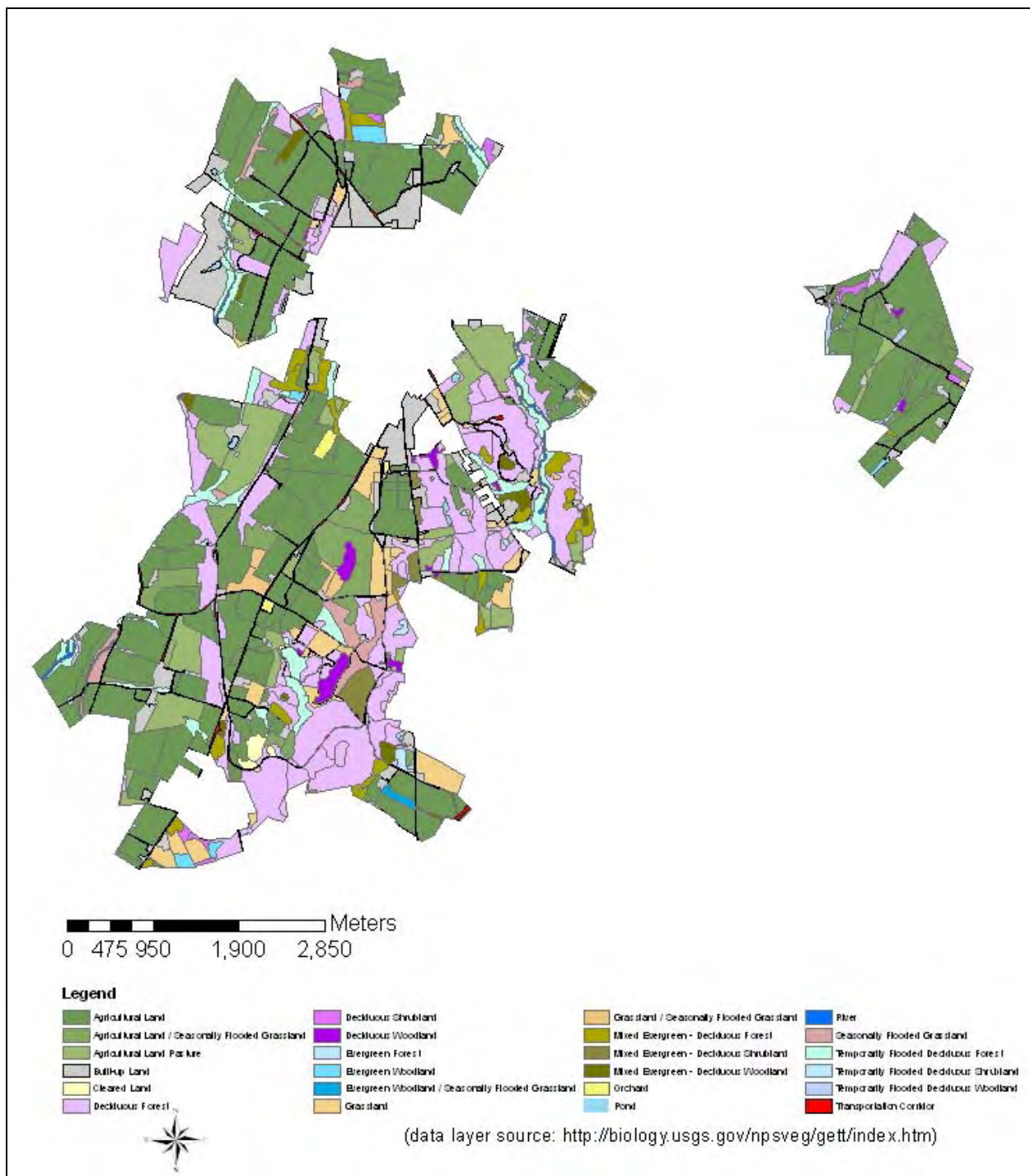


Figure 14. Land-use categories within GETT/EISE using the classification VEG_STRC from the Vegetation Inventory Project-GNMP by NRM. Total area for each land-use category is presented in Table 5.

General Arthropod Surveys

Standardized sampling and equal effort at each sample site is imperative for monitoring. If standardization of site selecting effort is not equal, then comparison of any sampling findings between years is not possible, and these efforts are futile and wasteful. A recommendation is given for site selection using a GIS-based approach where species presence and absence, as well as abundances are recorded.

This is a suggested GIS-based approach. A stratified sampling design is recommended for statistical soundness and the increased possibility of comparing samplings across years. Implementing a stratified sampling design involves selecting random sites within an area, as opposed to choosing the site based on expert opinion or by haphazard selection. Hill et al. (2005) provide a rather comprehensive discussion of random vs. haphazard vs. expert opinion when selecting monitoring sites.

The GIS-based approach for arthropod monitoring in GETT/EISE should utilize the available shape files on GETT/EISE (available through NPS personnel or on NPS – Data Store). Parcels of land included in the monitoring sample areas would include those shown in Figure 15. Parcels of land also to be excluded are those parcels having a width of less than 100m on any dimension (except for buffer or riparian-type areas (including wetlands, streams, etc.)), and any managed areas (e.g., priority vegetation cuts, or mowing).

A grid of 10m x 10m cells should be applied to the remaining parcels, and the GPS coordinates of the center of each of these plots can then be determined. The center point is where all sampling will begin within that plot. All of the cells that are roughly 10m x 10m will be indexed with a number. Site selection will be by a random number table, with a group of alternates selected in the event that a site proves to be an undesirable sampling site for reasons due to accessibility, suitability (e.g., mostly parking lot or no vegetation and all rock). Each land-use types listed in Table 5 should be included in the random sampling regime. However, this may not occur since these land types are not represented equally across the landscape. For those land-use types Twenty three sites should be sampled within the parks, one for each land-use type (Figure 14). Figure 15 displays a sample map from randomly selecting points from a grid over-lay over the NPS managed areas of GETT/EISE, while Figure 13 demonstrates how the 10 m overlay appears in a closer look at the NPS managed area called Spangler's Spring. Both of these maps were generated with the above mentioned protocol in ARC-GIS (Curt Musselman, NPS Cartographer 2008). This GIS-based approach streamlines haphazard selection of appropriate annual monitoring sites and monitoring arthropod diversity and populations with statistical rigor.

Sampling should occur between June and late August each year. Sampling should be done when the temperature is above 13 degrees C.

The following paragraphs describe the sampling effort used in the inventory. The manner in which these traps and sampling efforts should be closely followed is described below.

Beating Sheet. To sample invertebrates associated with understory vegetation, use a standard sized beating sheet (Table 10), and do 10 beats on the above vegetation. Beating sheet collecting should be done in the morning hours (0700-1000 h) with one sheet per site.

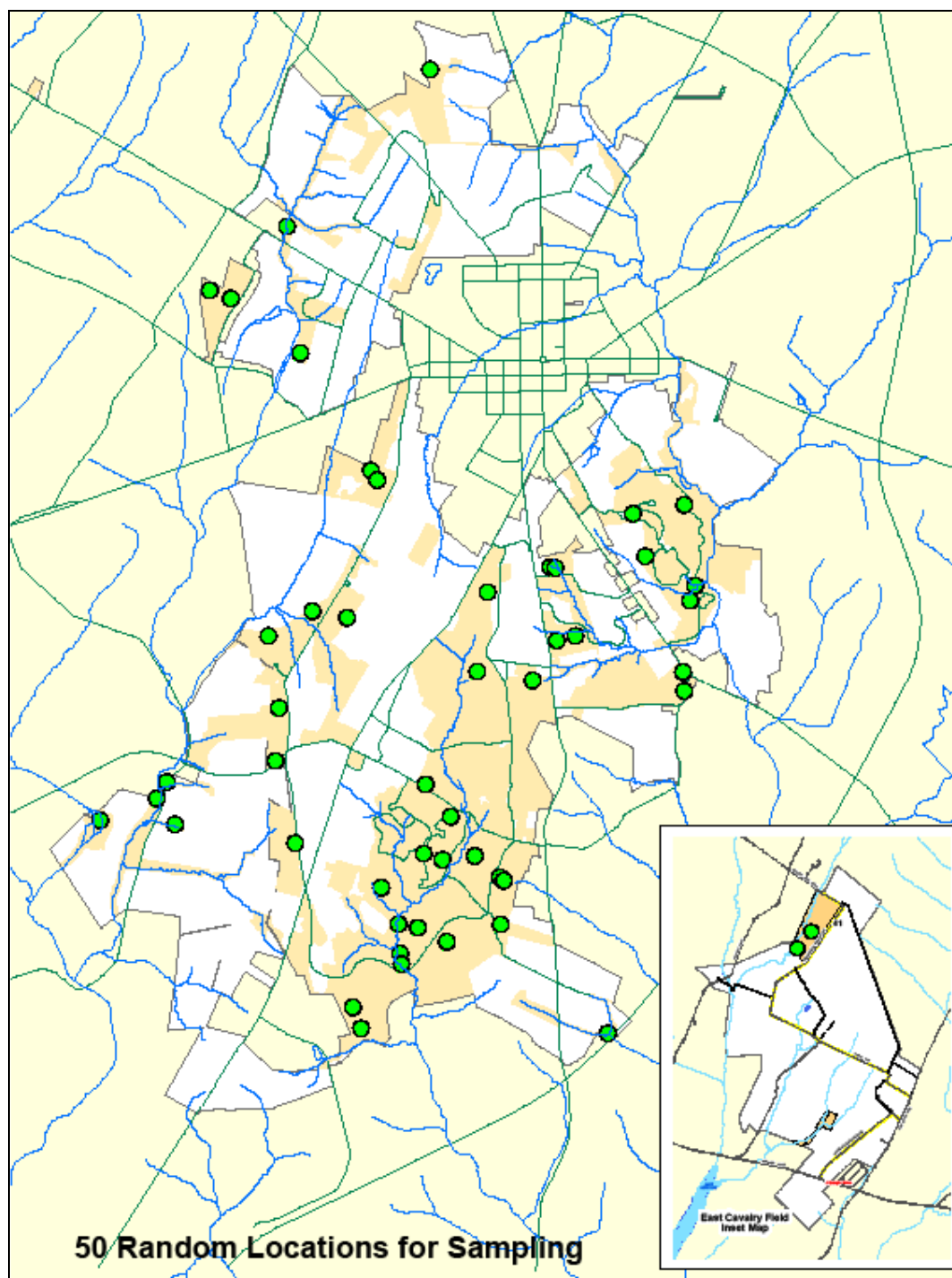


Figure 15. ARC-GIS generated map of 50 randomly selected points excluding Built-up Land areas as described in the report. See Figure 15 for a close-up of the Spangler's Spring area and the 10 m grid overlay. Spangler's Spring is near the center of this map where two sample points appear to nearly overlap.

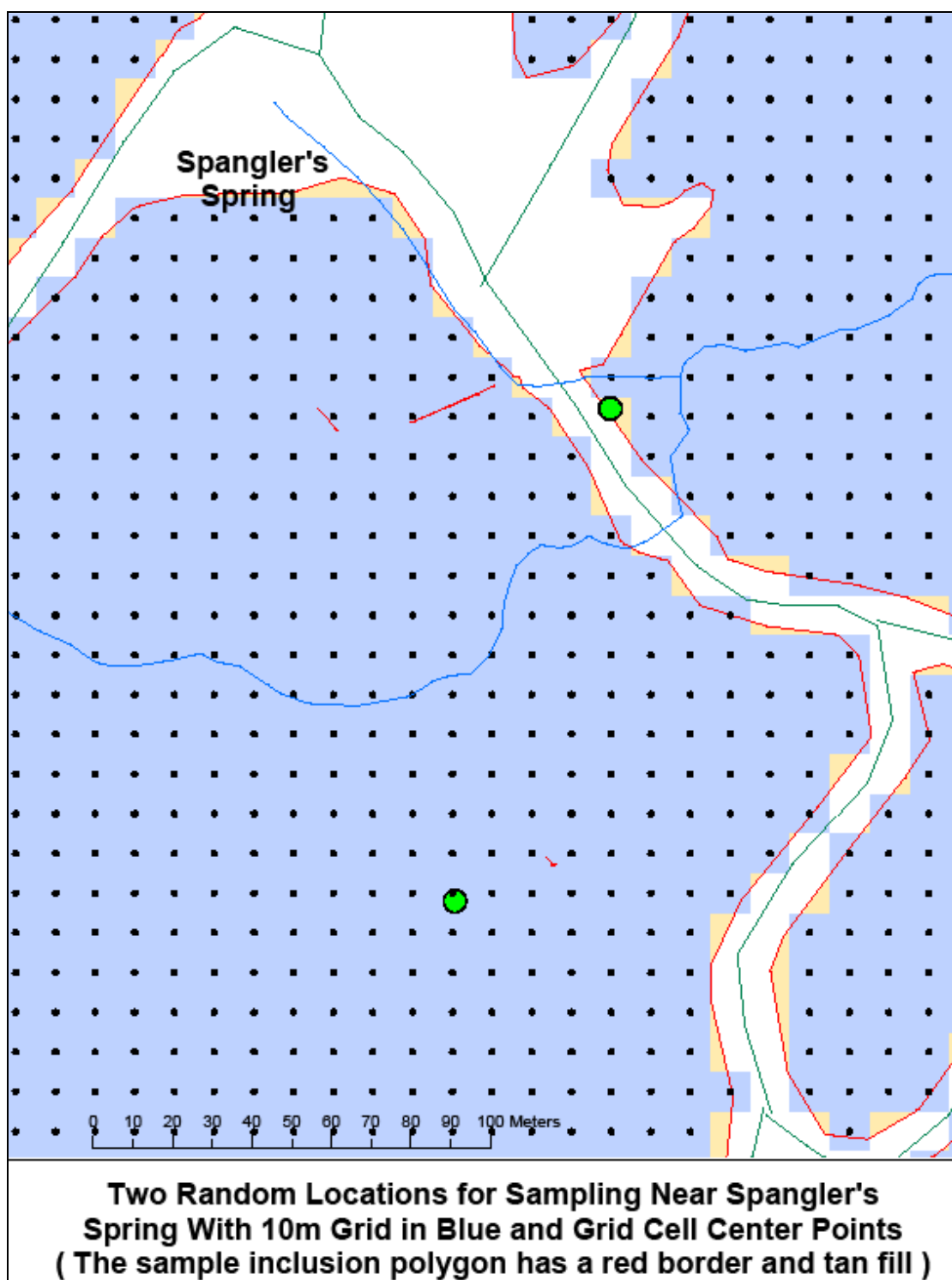


Figure 16. ARC-GIS generated map of Spangler's Spring area with a grid overlay of points 10 meters apart. Both sample sites represent habitat area that can be sampled, but the point nearest Spangler's Spring is on the border of a parcel or polygon indicating a potential shift in land-use.

Pitfall Traps. To sample invertebrates of the forest floor, in random placement within the plot, install three 9-cm diameter plastic drinking cups in the ground so that the cup rims are level with the soil surface. Add table salt filled to a depth of 1 cm, and fill with water as a killing agent and preservative. Pitfall traps should be placed before sundown and collected 48 hours later.

Soil Cores. To sample invertebrates occupying the soil column, take soil cores at the selected GPS point coordinates. Three soil cores can be taken using a golf hole cup cutter to a depth of roughly 5 cm and kept intact by storing in a cooler with ice or refrigerator. Within three days of collection, invertebrates should be extracted from the soil cores using a modified Tullgren Funnel method.

Sweep Nets. To sample invertebrates inhabiting herbaceous and woody vegetation, sweep net samples should be collected. Ten sweeps with the net, one taken at each of ten steps around the selected GPS coordinate will constitute one sample. Sweeps should be conducted in the morning (0700 – 1000 h).

Malaise Traps. For optional supplemental butterfly and moth sampling butterfly observation, use malaise traps. Malaise traps are a tent-like structure made of fine netting and catch flying insects. Insects fly into the side of the tent and the insects that move up-ward attempting to escape end up in a kill-jar charged with alcohol, cyanide, or ethyl acetate.

General Arthropod Sampling Protocol:

1. Locate Sampling Site (see Protocol Above) and record the actual GPS coordinates and the land use type (see GIS-based sample selection or map for determination).
2. Record Time, Site, and Weather Data
 - a. Time of day for start and finish of sampling
 - b. Site Data
 - i. Dominant tree species in perimeter of sampling plot (can do % cover, or # of stems/species that surround the plot)
 - ii. Dominant understory plants in perimeter (can do % cover, or relative abundance of particular taxa)
 - iii. Other notes such as any animals, insects, or otherwise that are observable
 - b. Weather Data
 - i. Temperature
 - ii. Cloud cover
 - iii. Relative moisture of ground at sampling site
 1. Wet = difficult to walk on, and whether it just rained or a unseasonable wet summer/spring
 2. Moderate = some moisture, plants do not show visible signs of drought stress
 3. Dry = very little recent rain, or all season. Some plants possibly showing signs of drought (e.g., low growth rate, annual grasses dying, less frequent mowing required than past years).
3. Sampling: each sampling
 - a. Soil Core Sampling:
 - i. Collect sample locale data
 1. Dominant overstory taxa

2. Dominant understory taxa
3. Relative Soil Moisture (e.g., Wet, Moderate, Dry)
- ii. Collect soil core samples
 1. Take a golf hole cup cutter, cut through the soil and record the depth the soil sample
 2. Put soil samples in paper bags and then in plastic bags
 3. If possible, put the samples in a cooler to slow insect movement (i.e., to avoid predation in the sample)
- iii. Extract insects
 1. Use Berlese funnel with a lamp to extract the insects or as soon as possible. Samples can be stored in a cooler for short periods of time
 2. Store the insects in alcohol with labels including collection information and site information
- b. Pitfall Sampling:
 - i. Collect sample locale data
 1. Dominant overstory taxa
 2. Dominant understory taxa
 3. Relative Soil Moisture (e.g., Wet, Moderate, Dry)
 - ii. Set Traps
 1. Using a bulb planter, dig a hole in the ground so that a Solo brand 12 oz tumbler cup will fit into the hole.
 2. Insert a 12 oz cup into the hole.
 3. The top of the cup must be flush with ground level; If top isn't flush, then either dig more or add dirt to the hole to make the top flush w/ the soil surface.
 4. Add table salt filled to a depth of 1 cm, and fill with water as a killing agent and preservative. Record the time..
 5. Cover the trap with mesh wiring to prevent non-target animals (e.g. mammals and amphibians) from perishing.
 - iii. Return to the cup within 48 hours.
 - iv. Collect sample locale data
 1. Relative Soil Moisture (e.g., Wet, Moderate, Dry)
 2. Temperature and weather conditions
 - v. Collect Traps
 1. Record time removed from soil
 2. Pour trap contents through net to strain the contents from the trap.
 3. Put the material in the strainer into a sample jar with site information.
- c. Sweep Net Sampling:
 - i. Collect sample locale data
 1. Dominant overstory taxa
 2. Dominant understory taxa
 3. Relative Soil Moisture (e.g., Wet, Moderate, Dry)
 - ii. Identify a group of shrubs to sweep
 - iii. Record site information about shrub
 1. Species of shrub
 2. Height of shrub
 3. Notable habitat info

- iv. Sweep Vegetation
 - 1. Sweep net firmly but not destructively across the understory shrubs and understory vegetation at all height levels.
 - 2. Sweep in this manner for 1 minute
- v. Extract Insects
 - 1. Use the insect aspirator or the insect-vac to suck up insects from the netted sample being careful to keep the net closed so insects to not escape.
 - 2. Add about 50 ml of ethanol to a larval pan, and add the insects to the larval pan that are in the insect vac and aspirator to stun them.
 - 3. Transfer the stunned insects to sample storage jar.
- vi. Store the insects in alcohol with labels including collection information and site information
- vii. Record the data from the collecting effort into the database.
- d. Beat Sheet Sampling:
 - i. Collect sample locale data
 - 1. Dominant overstory taxa
 - 2. Dominant understory taxa
 - 3. Relative Soil Moisture (e.g., Wet, Moderate, Dry)
 - ii. Identify a group of shrubs to sample
 - iii. Record site data for plant taxa to be sampled.
 - 1. Species of shrubs
 - 2. Height/width of shrubs
 - 3. Notable habitat info
 - iv. Beat shrubs by shaking 2 or 3 branches or by tapping the branch with a stick while the sheet collector is being held under the branch
 - v. Use the insect aspirator or the insect vac to suck up insects from the netted sample being careful to keep the net closed so insects to not escape.
 - vi. Add about 50 ml ethanol (or cheap vodka) to a larval pan, and add the insects to the larval pan that are in the insect vac and aspirator to stun them.
 - vii. Transfer the stunned insects to sample storage jar. Store the insects in alcohol with labels including collection information and site information
 - viii. Record the data from the collecting effort into the database

Butterfly surveys

Butterfly monitoring will occur along line transects 50 m away from trails and roads within GETT/EISE. The butterfly surveyor should be quite familiar with butterflies and have binoculars, a hand-held GPS unit, a net, a digital camera, field guides, and perhaps several assistants to net butterflies if identification on the wing or by sight is too difficult.

Site selection for the transect will be done using the GIS-based approach. The source of information for butterfly monitoring in GETT/EISE will utilize the shape file of the boundaries of GETT/EISE produced by NPS personnel. Parcels of land included in the monitoring should include all land-use types described in Figure 14. The parcels to be excluded are described as Built-up Land.

GPS points will be placed in regular intervals of 10 m within GETT/EISE along trails and roads and serve as potential transect starting locations. The actual transect starting locations will be

determined by using a random number table. Transects will extend 50 m on either side of the road – the choice is up to the surveyor to select a transect route that will not put the surveyor in harm's way. In the case that each side is equally safe to survey, or when necessary, the direction of the transect perpendicular to the road could be determined by a coin toss. The NPS park personnel generating these GPS points should index and number all potential survey points. This will ease the random selection process and will be helpful for archiving.

The source of butterfly monitoring methodology is Hill et al. (2005). A helpful text for butterfly monitoring is published by Glassberg (1993) (see the Reference section for the full citation). Transect length will be up to 100m -- if less distance than 100m must be surveyed then the transect SHOULD NOT be compensated by spending more time on that transect. Record the transect length and the time of the observation. The time spent at each site/transect should be recorded to the nearest 30 second interval. The time data are imperative! Choose 35 – 50 points from the GIS-based approach mentioned in the previous paragraph. The more sites sampled, the more complete the assessment of the population

Make a series of counts along a fixed route at each site weekly between April 1 and September 29. The surveyor should walk in a uniform pace along each transect and record all butterflies seen within 5 m on either side of the transect. Counts must be made when the temperature is above 13 degrees C. When the temperature is 13-17 degrees C, then counts are to be made when there is 60% sunshine. Above 17 degrees C, counts can be made even when cloudy. Counts are to be carried out between 10 am and 3:45 PM. Each transect should be divided into distinct habitat types within the broader site and recorded with the sighting. These data will be treated as an index of population size.

Collecting locale data and site data each time you sample is important for analyses that evaluate habitat type and quality. Also, though all sampling should be completed in the same day or within two days, recording the collection locale data can improve analytical power during analysis.

Butterfly Sampling/Monitoring Protocol:

1. Locate Sampling Site (see Protocol Above) and record the actual GPS coordinates and the land use type (see GIS-based sample selection or map for determination).
2. Collect time of day and weather data at each sample point.
 - a. Collect sample locale data
 - i. Dominant overstory taxa
 - ii. Dominant understory taxa
 - iii. Relative Soil Moisture (e.g., Wet, Moderate, Dry)
 - b. Identify a transect to walk and apply data collection methods consistently within and between sites.
 - i. If using a linear transect method, use the method consistently between sites, and if there are differences between transects such as vegetation cover or type, do your best to quantify that difference between transect sites.
 - ii. If selecting an area to observe, then pick a time limit to watch that area and watch for the same amount of time for each area. Keep observation times equal between all survey efforts.

- c. Either observe or collect butterfly taxa within the given amount of time and defined locale. That way local densities are easier to determine.
- d. Record the data from the collecting effort into the database.

Processing Samples

1. Pull specimens of the 92 taxa specified in Table 11.
2. Store the remaining specimens in a container labeled appropriately.
Label samples (one in jar, one on jar)
3. Record the sample and habitat attributes (GPS info) in a spreadsheet/database

Samples – Collection Maintenance

Site Labels (i.e., GETT/EISE) should be made on card stock and the information for all labels can be made in a word processing program and printed on a laser printer. Text on these labels usually requires a rather small font (e.g. 4 or 5 point) so that the label can be placed in the bottle without bending or folding the label. If hand-writing the label, be sure to use archive-quality ink. Bioquip is an excellent source for such pens, but the cardstock can be purchased at any office supply store.

Collection Labels for each sample should include:

- GPS Coordinates
- State: County, City
- Locale
- Collection Site
- Trap Number
- Date
- Collecting Method/Trap Type
- Name of Collector

Accession Label:

-Accession number or collection number which is a unique number assigned to that sample and vial once the sample is sorted to Order and ready to be further identified. This label should include the person identifying the order.

Identification Label:

This label goes on a specimen that's been identified.

- Accession number
- Order: Family
- Genus: Species
- Expert Identifier

Storage of Samples and Specimens

1. Store samples to be sorted and identified in a cool area out of direct sunlight so that the 95% ethanol stays a constant temperature to reduce evaporation.
2. Annually replenish ethanol in sample jars and specimen vials.
3. Store samples and vials in an area and in a manner so that they are easily accessed.

Several taxa were selected from the entire list of identified species of the GETT/EISE. These taxa are found in Table 1 and Table 11. The criteria for selecting these taxa were:

- 1) Can be identified to species level
- 2) Trophic habits are fairly well known
- 3) Abundance or commonness – were there a lot of specimens
- 4) Each trophic group is well represented

Equipment Requirements:

The sampling protocols described for monitoring the arthropods has some required equipment. Table 12 provides an estimate of minimal equipment for collection, observational monitoring, and storage. This list is only an estimate and is by no means exhaustive.

Recommended Analysis:

- After the samples are sorted to order and the 92 relevant taxa have been separated from the orders, the calculated geometric mean and standard deviation should be reported for each taxa. The geometric mean is desirable for population monitoring over time, and is preferred over the arithmetic mean, the most commonly used definition of mean. The records for these 92 taxa are of importance because these species are pests, invasives, or specialists, which makes tracking their population dynamics of relevant to various ecosystem management issues the parks face.
- Further analysis on the biodiversity is desirable, and we recommend using the diversity analysis approach described here in this report (i.e., Shannon Diversity Index, abundance, and richness: Figure 3).
- We recommend all monitoring samples be saved for future interest and analyses, and that a permanent storage situation be found.

Table 12. Recommended equipment needed for general arthropod and butterfly monitoring protocols mentioned in this GETT/EISE Final Report. Prices and page numbers are based on year 2008 catalogs.

soil core
sweep net (heavy duty)
Lepidoptera net bag, 21"
beat sheet
malaise trap (complete tent/trap)
field paper: rite in the rain (200 sheets)
larval trays, medium (4 needed)
aspirator
insect vac -ac powered
nozzel extension for insect vac
gps unit
counting unit (5 units)
storage: sample bottles; transport vials (50 ml), 500 in pkg
storage: sample vials; 1 dram (3.7 ml) \$34/144 vials; get 10 boxes
storage: sample vials; 3 dram (11.1 ml) \$49/144 vials; get 5 boxes
Lepidoptera storage system; glassine envelopes 3-1/2 x 3-1/2" (89 x 89mm) 100 per pack; \$4.25 per hundred pack (recommend 4 packs)
Cornell Museum drawers for lepidoptera storage (\$54.00 each) get 4
digital camera 8 mp
binoculars

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Appendix A. Arthropod and Butterfly site coordinates, brief habitat descriptions, and site-species attributes.

Site	UTM East	UTM North	Habitat Description (Collectors and Surveyors)	Abundance	Richness
Big Round Top	307850	4406150	deciduous forest near stream border	14966	216
Codori-Trostle Thicket	308297	4408439	pocket of deciduous forest surrounded by pasture	6304	179
Marsh Creek	305295	4407666	deciduous forest near stream border	1416	72
PA Monument	308817	4408341	hayland	1468	70
Valley of Death	308362	4407370	pasture bordering shrub/brush/range	1139	67
Will's Farm	307157	4412877	hayland/wet meadow	1341	72
1	307200	4406250	hayland bordering deciduous forest	50	25
2	308058	4406963	stream border adjacent to woods	-	-
3	308250	4407650	pasture and wet meadow adjacent to deciduous forest	26	13
4	308600	4407900	pasture	20	15
5	306961	4406307	deciduous forest	4	5
6	310200	4409450	hayland surrounded by deciduous forest	22	12
7	307153	4411914	deciduous forest	3	4
8	308726	4407383	roadside woods	6	6
9	308781	4406290	roadside border adjacent to shrub/brush/range	-	-
10	309100	4408800	hayland and deciduous forest margin	20	16
11	309042	4409194	roadside and shrub/brush/range	2	3
12	308855	4408842	hayland adjacent to road	-	-
13	308453	4407397	roadside woods and shrubs	9	7
14	308147	4407631	cropland bordering road	8	6
15	307850	4407050	hayland bordering deciduous forest on hillside	6	7
16	307710	4407747	hayland adjacent to deciduous forest	12	10
17	309893	4410464	pocket of hayland bordering deciduous forest	11	9
18	310056	4410342	pocket of hayland bordering deciduous forest	8	7
19	309702	4410142	hayland bordering deciduous forest	9	8
20	307600	4410100	hayland adjacent to deciduous forest	3	3
21	308815	4412636	hayland/cropland adjacent to road	1	2
22	308136	4412818	cropland bordering road	1	2
23	308012	4407547	cropland bordering woods	6	6
24	307783	4407882	hayland	3	4
25	310272	4409226	shrub/brush/range bordering road	2	3
26	308749	4408116	hayland adjacent to woods and deciduous forest	29	15
27	307800	4407500	hayland bordering woods and deciduous forest	11	6
28	307595	4406562	pasture surrounded by deciduous woods	14	12
29	308223	4407090	pasture and wet meadow adjacent to deciduous forest	3	4
30	308248	4408200	pasture adjacent to deciduous forest	4	4
38	307781	4406248	deciduous forest by stream	-	-
40	306700	4407000	hayland adjacent to deciduous forest	-	-
41	314450	4411950	cropland and grass/shrubland at margin of woods	6	7
42	307000	4412500	hayland bordering deciduous forest	1	2
43	307050	4411100	hayland/cropland	6	5
44	307950	4413500	hayland/cropland bordering deciduous forest	4	5
45	305750	4407850	mixed forest/shrubs along stream border	6	7
46	306700	4408600	hayland bordering deciduous forest	6	5
47	307100	4412700	hayland/cropland	8	7

Appendix B. GNMP/EISE Arthropod Database: Morphospecies and Species.

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Acari	Erythraeidae	sp. 1	CT	TR	1		1271
Acari	Erythraeidae	sp. 1	CT	TR	1		1272
Acari	Erythraeidae	sp. 2	CT	TR	1		1273
Acari	Ixodidae	sp. 1	BR	LF	1		1249
Acari	Ixodidae	sp. 1	BR	PO	1		1253
Acari	Ixodidae	sp. 1	CT	LF	1		1254
Acari	Johnstonianidae	sp. 1	BR	SB	1		1234
Acari	Johnstonianidae	sp. 1	BR	IP	1		1235
Acari	Johnstonianidae	sp. 2	BR	TR	1		1250
Acari	Johnstonianidae	sp. 2	BR	TR	1		1251
Acari	Johnstonianidae	sp. 2	BR	PO	1		1252
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	34		6010
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	11		6014
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	9		6016
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	8		6017
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	26		6018
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	6		6019
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	13		6021
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	58		6022
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	33		6023
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	20		6024
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	39		6025
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	10		6027
Acari	S.O. Cryptostigmata	sp. 1	BR	SW	6		6029
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	6		6036
Acari	S.O. Cryptostigmata	sp. 1	BR	LF	2		6037
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	2		6039
Acari	S.O. Cryptostigmata	sp. 1	BR	IP	1		6045
Acari	S.O. Cryptostigmata	sp. 1	BR	GM	1		6046
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	1		6050
Acari	S.O. Cryptostigmata	sp. 1	BR	IP	1		6056
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	3		6057
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	6		6058
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	23		6059
Acari	S.O. Cryptostigmata	sp. 1	BR	IP	2		6060
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	1		6061
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	1		6068
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	1		6077
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	1		6079
Acari	S.O. Cryptostigmata	sp. 1	BR	TR	1		6086
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	2		6095
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	40		6096
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	3		6098

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Acari	S.O. Cryptostigmata	sp. 1	BR	LC	1		6100
Acari	S.O. Cryptostigmata	sp. 1	BR	GM	4		6101
Acari	S.O. Cryptostigmata	sp. 1	BR	LT	22		6102
Acari	S.O. Cryptostigmata	sp. 1	BR	GM	2		6103
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	2		6106
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	22		6107
Acari	S.O. Cryptostigmata	sp. 1	BR	LC	1		6108
Acari	S.O. Cryptostigmata	sp. 1	BR	GM	1		6110
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	22		6112
Acari	S.O. Cryptostigmata	sp. 1	BR	GM	3		6113
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	11		6115
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	35		6116
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	31		6117
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	4		6120
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	22		6121
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	12		6122
Acari	S.O. Cryptostigmata	sp. 1	BR	GM	1		7618
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	3		7533
Acari	S.O. Cryptostigmata	sp. 1	BR	CO	1		7626
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	25		5977
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	3		5980
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	16		5985
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	32		5988
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	25		5990
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	48		5996
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	13		5999
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	25		6001
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	31		6003
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	4		6005
Acari	S.O. Cryptostigmata	sp. 1	CT	CO	22		6006
Acari	S.O. Cryptostigmata	sp. 1	CT	LF	1		5964
Acari	S.O. Cryptostigmata	sp. 1	CT	LT	1		7666
Acari	S.O. Cryptostigmata	sp. 1	CT	SW	1		5969
Acari	S.O. Cryptostigmata	sp. 1	CT	SW	4		5976
Acari	S.O. Cryptostigmata	sp. 1	CT	SW	1		7690
Acari	S.O. Cryptostigmata	sp. 1	CT	TR	1		5975
Acari	S.O. Cryptostigmata	sp. 2	BR	SW	1		7524
Acari	S.O. Cryptostigmata	sp. 3	BR	CO	1		7613
Acari	S.O. Cryptostigmata	sp. 3	BR	CO	25		7528
Acari	S.O. Cryptostigmata	sp. 3	BR	CO	1		7597
Acari	S.O. Cryptostigmata	sp. 3	BR	CO	2		7531
Acari	S.O. Cryptostigmata	sp. 3	BR	CO	3		7631
Acari	S.O. Cryptostigmata	sp. 4	BR	LT	2		7587
Acari	S.O. Cryptostigmata	sp. 4	BR	CO	9		7622
Acari	S.O. Cryptostigmata	sp. 5	CT	CO	4		7705
Acari	S.O. Cryptostigmata	sp. 5	CT	CO	1		7662

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Acari	S.O. Mesostigmata	sp. 1	BR	LF	13		6007
Acari	S.O. Mesostigmata	sp. 1	BR	LF	3		6011
Acari	S.O. Mesostigmata	sp. 1	BR	LF	1		6013
Acari	S.O. Mesostigmata	sp. 1	BR	LF	1		6020
Acari	S.O. Mesostigmata	sp. 1	BR	CO	3		7609
Acari	S.O. Mesostigmata	sp. 1	BR	CO	3		7578
Acari	S.O. Mesostigmata	sp. 1	CT	CO	1		7704
Acari	S.O. Mesostigmata	sp. 1	CT	IP	1		5998
Acari	S.O. Mesostigmata	sp. 1	CT	SB	18		5968
Acari	S.O. Mesostigmata	sp. 1	CT	SB	4		5972
Acari	S.O. Mesostigmata	sp. 2	BR	SW	3		6008
Acari	S.O. Mesostigmata	sp. 2	BR	SW	1		6015
Acari	S.O. Mesostigmata	sp. 2	BR	IP	1		6035
Acari	S.O. Mesostigmata	sp. 2	BR	GM	2		6118
Acari	S.O. Mesostigmata	sp. 2	BR	SW	3		7517
Acari	S.O. Mesostigmata	sp. 2	BR	SW	3		7523
Acari	S.O. Mesostigmata	sp. 2	BR	SW	2		7519
Acari	S.O. Mesostigmata	sp. 2	BR	SW	2		7522
Acari	S.O. Mesostigmata	sp. 2	BR	CO	2		7612
Acari	S.O. Mesostigmata	sp. 2	BR	CO	5		7529
Acari	S.O. Mesostigmata	sp. 2	BR	GM	2		7565
Acari	S.O. Mesostigmata	sp. 2	BR	LT	2		7588
Acari	S.O. Mesostigmata	sp. 2	BR	GM	4		7564
Acari	S.O. Mesostigmata	sp. 2	BR	GM	2		7617
Acari	S.O. Mesostigmata	sp. 2	BR	CO	1		7532
Acari	S.O. Mesostigmata	sp. 2	BR	CO	1		7571
Acari	S.O. Mesostigmata	sp. 2	BR	CO	4		7556
Acari	S.O. Mesostigmata	sp. 2	BR	CO	3		7624
Acari	S.O. Mesostigmata	sp. 2	BR	CO	1		7562
Acari	S.O. Mesostigmata	sp. 2	CT	CO	12		7707
Acari	S.O. Mesostigmata	sp. 2	CT	CO	1		7663
Acari	S.O. Mesostigmata	sp. 2	CT	CO	6		7639
Acari	S.O. Mesostigmata	sp. 2	CT	CO	1		7710
Acari	S.O. Mesostigmata	sp. 2	CT	GM	2		7695
Acari	S.O. Mesostigmata	sp. 2	CT	LT	4		5987
Acari	S.O. Mesostigmata	sp. 2	CT	SW	1		5967
Acari	S.O. Mesostigmata	sp. 3	BR	LF	1		7526
Acari	S.O. Mesostigmata	sp. 3	CT	SW	1		5974
Acari	S.O. Mesostigmata	sp. 4	BR	GM	10		6111
Acari	S.O. Mesostigmata	sp. 4	BR	CO	9		6114
Acari	S.O. Mesostigmata	sp. 4	BR	CO	36		7611
Acari	S.O. Mesostigmata	sp. 4	BR	CO	2		7544
Acari	S.O. Mesostigmata	sp. 4	BR	CO	6		7583
Acari	S.O. Mesostigmata	sp. 4	BR	LT	6		7586
Acari	S.O. Mesostigmata	sp. 4	BR	CO	2		7583
Acari	S.O. Mesostigmata	sp. 4	BR	CO	78		7596

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Acari	S.O. Mesostigmata	sp. 4	BR	CO	24		7580
Acari	S.O. Mesostigmata	sp. 4	BR	CO	15		7570
Acari	S.O. Mesostigmata	sp. 4	BR	CO	30		7548
Acari	S.O. Mesostigmata	sp. 4	BR	CO	33		7623
Acari	S.O. Mesostigmata	sp. 4	BR	CO	33		7630
Acari	S.O. Mesostigmata	sp. 4	BR	CO	4		7563
Acari	S.O. Mesostigmata	sp. 4	CT	CO	28		7708
Acari	S.O. Mesostigmata	sp. 4	CT	CO	4		7675
Acari	S.O. Mesostigmata	sp. 4	CT	CO	50		7664
Acari	S.O. Mesostigmata	sp. 5	BR	CO	1		7579
Acari	S.O. Mesostigmata	sp. 5	BR	CO	1		7530
Acari	S.O. Mesostigmata	sp. 5	CT	LF	1		7657
Acari	S.O. Mesostigmata	sp. 6	CT	LF	1		5973
Acari	S.O. Prostigmata	sp. 1	BR	IP	1		6080
Acari	S.O. Prostigmata	sp. 2	BR	BE	1		6009
Acari	S.O. Prostigmata	sp. 2	BR	LF	1		6012
Acari	S.O. Prostigmata	sp. 2	BR	LF	1		6030
Acari	S.O. Prostigmata	sp. 2	BR	TR	1		6034
Acari	S.O. Prostigmata	sp. 2	BR	TR	1		6038
Acari	S.O. Prostigmata	sp. 2	BR	TR	1		6062
Acari	S.O. Prostigmata	sp. 2	BR	SW	1		7518
Acari	S.O. Prostigmata	sp. 2	BR	LF	1		7521
Acari	S.O. Prostigmata	sp. 2	BR	SW	1		7520
Acari	S.O. Prostigmata	sp. 2	BR	SW	1		7515
Acari	S.O. Prostigmata	sp. 2	BR	CO	1		7610
Acari	S.O. Prostigmata	sp. 2	BR	IP	1		7511
Acari	S.O. Prostigmata	sp. 2	CT	GM	1		5982
Acari	S.O. Prostigmata	sp. 2	CT	GM	3		5983
Acari	S.O. Prostigmata	sp. 2	CT	IP	2		5994
Acari	S.O. Prostigmata	sp. 2	CT	SW	1		5965
Acari	S.O. Prostigmata	sp. 2	CT	SW	2		7672
Acari	S.O. Prostigmata	sp. 3	BR	TR	1		7512
Acari	S.O. Prostigmata	sp. 4	BR	SW	1		7514
Acari	S.O. Prostigmata	sp. 4	BR	LF	1		7525
Acari	S.O. Prostigmata	sp. 4	CT	SW	1		5979
Acari	S.O. Prostigmata	sp. 5	BR	TR	2		6026
Acari	S.O. Prostigmata	sp. 5	BR	IP	1		6049
Acari	S.O. Prostigmata	sp. 6	CT	IP	1		5986
Acari	S.O. Prostigmata	sp. 6	CT	IP	2		5989
Acari	S.O. Prostigmata	sp. 6	CT	IP	1		6004
Acari	S.O. Prostigmata	sp. 7	CT	GM	1		5963
Acari	S.O. Prostigmata	sp. 8	CT	CO	1		7684
Acari	S.O. Prostigmata	sp. 8	CT	CO	1		7709
Acari	S.O. Prostigmata	sp. 8	CT	CO	1		7676
Acari	S.O. Prostigmata	sp. 8	CT	CO	1		7665
Araneae	Agelenidae	<i>Agelenopsis pennsylvanica</i>	CT	GM	1	W. L. Young	1321

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Agelenidae	<i>Agelenopsis pennsylvanica</i>	CT	IP	1	W. L. Young	1325
Araneae	Agelenidae	<i>Agelenopsis pennsylvanica</i>	CT	SW	1	W. L. Young	1401
Araneae	Agelenidae	<i>Agelenopsis pennsylvanica</i>	CT	TR	1	W. L. Young	1323
Araneae	Agelenidae	<i>Agelenopsis pennsylvanica</i>	CT	TR	1	W. L. Young	1324
Araneae	Agelenidae	<i>Agelenopsis?</i> sp.	BR	SB	1	W. L. Young	1014
Araneae	Agelenidae	<i>Agelenopsis?</i> sp.	BR	SB	1	W. L. Young	1019
Araneae	Agelenidae	<i>Coras juvenilis</i>	BR	SB	1	W. L. Young	1027
Araneae	Anyphaenidae	<i>Anyphaena</i> sp.	CT	BE	2	W. L. Young	1857
Araneae	Anyphaenidae	<i>Anyphaena?</i> sp.	BR	BE	1	W. L. Young	1092
Araneae	Anyphaenidae	<i>Anyphaena?</i> sp.	BR	SW	2	W. L. Young	1159
Araneae	Anyphaenidae	<i>Aysa gracilis</i>	BR	TR	1	W. L. Young	972
Araneae	Anyphaenidae	<i>Wulfilia saltibunda?</i>	CT	BE	1	W. L. Young	1343
Araneae	Araneidae	<i>Araneus pratensis?</i>	CT	SW	1	W. L. Young	1361
Araneae	Araneidae	<i>Araniella displicata</i>	CT	SW	1	W. L. Young	1891
Araneae	Araneidae	<i>Cyclosa conica?</i>	BR	SW	1	W. L. Young	1139
Araneae	Araneidae	<i>Cyclosa?</i> sp.	BR	BE	1	W. L. Young	1094
Araneae	Araneidae	<i>Larinioides?</i> sp.	CT	BE	1	W. L. Young	1340
Araneae	Araneidae	<i>Mangora maculata</i>	CT	SW	1	W. L. Young	1362
Araneae	Araneidae	<i>Mangora</i> sp.	BR	BE	3	W. L. Young	1078
Araneae	Araneidae	<i>Mangora</i> sp.	BR	BE	1	W. L. Young	1084
Araneae	Araneidae	<i>Mangora</i> sp.	BR	BE	1	W. L. Young	1089
Araneae	Araneidae	<i>Mangora</i> sp.	BR	BE	1	W. L. Young	1098
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1118
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	3	W. L. Young	1123
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1125
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1127
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1134
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	3	W. L. Young	1141
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1147
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1150
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1155
Araneae	Araneidae	<i>Mangora</i> sp.	BR	SW	1	W. L. Young	1167
Araneae	Araneidae	<i>Mangora</i> sp.	BR	BE	1	W. L. Young	6897
Araneae	Araneidae	<i>Mangora</i> sp.	CT	BE	1	W. L. Young	1339
Araneae	Araneidae	<i>Mangora</i> sp.	CT	SW	2	W. L. Young	1383
Araneae	Araneidae	<i>Mangora</i> sp.	CT	SW	4	W. L. Young	1407
Araneae	Araneidae	<i>Mangora?</i> sp.	BR	BE	2	W. L. Young	1073
Araneae	Araneidae	<i>Micrathena gracilis?</i>	BR	CO	1	W. L. Young	939
Araneae	Araneidae	<i>Micrathena gracilis?</i>	BR	BE	1	W. L. Young	1103
Araneae	Araneidae	<i>Micrathena gracilis?</i>	BR	BE	1	W. L. Young	1112
Araneae	Araneidae	<i>Neoscona?</i> sp.	CT	SB	1	W. L. Young	1796
Araneae	Clubionidae	<i>Agroeca minuta</i>	BR	LF	1	W. L. Young	1069
Araneae	Clubionidae	<i>Clubiona abbotii</i>	CT	SW	1	W. L. Young	1386
Araneae	Clubionidae	<i>Clubionoides excepta</i>	BR	TR	1	W. L. Young	946
Araneae	Clubionidae	<i>Clubionoides excepta</i>	BR	TR	1	W. L. Young	971
Araneae	Clubionidae	<i>Clubionoides excepta</i>	BR	IP	1	W. L. Young	999

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Clubionidae	<i>Clubionoides excepta</i>	BR	LF	1	W. L. Young	1036
Araneae	Clubionidae	<i>Clubionoides excepta</i>	CT	TR	1	W. L. Young	1322
Araneae	Clubionidae	<i>Clubionoides excepta?</i>	BR	BE	1	W. L. Young	1074
Araneae	Clubionidae	<i>Phrurotimpus alarius</i>	BR	IP	1	W. L. Young	990
Araneae	Clubionidae	<i>Phrurotimpus alarius</i>	BR	IP	1	W. L. Young	1005
Araneae	Clubionidae	<i>Phrurotimpus alarius</i>	BR	LF	1	W. L. Young	1056
Araneae	Clubionidae	<i>Phrurotimpus alarius</i>	BR	LF	1	W. L. Young	1061
Araneae	Clubionidae	<i>Phrurotimpus alarius</i>	BR	LF	1	W. L. Young	1066
Araneae	Clubionidae	<i>Phrurotimpus? sp.</i>	BR	LF	1	W. L. Young	1070
Araneae	Corinnidae	<i>Castianeira cingulata</i>	BR	TR	1	W. L. Young	969
Araneae	Corinnidae	<i>Castianeira cingulata</i>	BR	LF	1	W. L. Young	1051
Araneae	Corinnidae	<i>Castianeira longipalpus</i>	BR	IP	1	W. L. Young	986
Araneae	Corinnidae	<i>Castianeira longipalpus</i>	BR	GM	1	W. L. Young	1033
Araneae	Corinnidae	<i>Castianeira sp.</i>	BR	TR	1	W. L. Young	959
Araneae	Corinnidae	<i>Castianeira sp.</i>	BR	SB	1	W. L. Young	1023
Araneae	Corinnidae	<i>Castianeira sp.</i>	CT	BE	1	W. L. Young	1866
Araneae	Corinnidae	<i>Castianeira sp.</i>	CT	SB	1	W. L. Young	1801
Araneae	Corinnidae	<i>Castianeira sp.</i>	CT	SB	1	W. L. Young	1804
Araneae	Corinnidae	<i>Castianeira? sp.</i>	CT	BE	1	W. L. Young	1354
Araneae	Corinnidae	<i>Castianeira? sp.</i>	CT	LF	1	W. L. Young	1781
Araneae	Corinnidae	<i>Castianeira? sp.</i>	CT	LF	1	W. L. Young	1786
Araneae	Corinnidae	<i>Castianeira? sp.</i>	CT	SB	1	W. L. Young	1806
Araneae	Dictynidae	<i>Dictyna sp.</i>	BR	BE	1	W. L. Young	1111
Araneae	Dictynidae	<i>Dictyna sp.</i>	BR	SW	1	W. L. Young	6898
Araneae	Dictynidae	<i>Dictyna sp.</i>	CT	BE	1	W. L. Young	1331
Araneae	Dictynidae	<i>Dictyna sp.</i>	CT	BE	1	W. L. Young	1338
Araneae	Dictynidae	<i>Dictyna sp.</i>	CT	CO	1	W. L. Young	1788
Araneae	Dictynidae	<i>Dictyna sp.</i>	CT	SW	1	W. L. Young	1398
Araneae	Dictynidae	<i>Dictyna sp.</i>	CT	SW	1	W. L. Young	1403
Araneae	Dictynidae	<i>Dictyna sublata</i>	BR	TR	1	W. L. Young	952
Araneae	Dictynidae	<i>Dictyna sublata?</i>	CT	BE	1	W. L. Young	1865
Araneae	Dictynidae	<i>Dictyna sublata?</i>	CT	BE	3	W. L. Young	1335
Araneae	Dictynidae	<i>Dictyna sublata?</i>	CT	SW	2	W. L. Young	1364
Araneae	Dictynidae	<i>Dictyna? sp.</i>	CT	BE	1	W. L. Young	1859
Araneae	Erigonidae	<i>Ceraticelus fissiceps</i>	BR	BE	1	W. L. Young	1115
Araneae	Erigonidae	<i>Ceraticelus fissiceps</i>	BR	SW	1	W. L. Young	1128
Araneae	Erigonidae	<i>Ceraticelus fissiceps</i>	CT	IP	1	W. L. Young	1852
Araneae	Erigonidae	<i>Ceraticelus pygmaeus</i>	BR	SW	1	W. L. Young	1122
Araneae	Erigonidae	<i>Ceraticelus pygmaeus</i>	CT	BE	1	W. L. Young	1858
Araneae	Erigonidae	<i>Ceraticelus pygmaeus</i>	CT	LF	1	W. L. Young	1784
Araneae	Erigonidae	<i>Ceraticelus pygmaeus</i>	CT	SW	1	W. L. Young	1376
Araneae	Erigonidae	<i>Ceraticelus sp.</i>	BR	BE	1	W. L. Young	1096
Araneae	Erigonidae	<i>Ceraticelus sp.</i>	BR	BE	1	W. L. Young	1106
Araneae	Erigonidae	<i>Ceraticelus sp.</i>	BR	BE	1	W. L. Young	1114
Araneae	Erigonidae	<i>Ceraticelus? sp.</i>	BR	LC	1	W. L. Young	931
Araneae	Erigonidae	<i>Scylaceus pallidus ?</i>	BR	TR	1	W. L. Young	957

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Erigonidae	Unknown	BR	SW	1		1142
Araneae	Gnaphosidae	<i>Drassyllus novus</i>	BR	IP	1	W. L. Young	981
Araneae	Gnaphosidae	<i>Drassyllus novus</i>	BR	IP	1	W. L. Young	987
Araneae	Gnaphosidae	<i>Drassyllus novus</i>	BR	IP	1	W. L. Young	1009
Araneae	Gnaphosidae	<i>Drassyllus novus</i>	BR	SB	1	W. L. Young	1020
Araneae	Gnaphosidae	<i>Herpyllus ecclesiasticus</i>	BR	TR	1	W. L. Young	949
Araneae	Gnaphosidae	<i>Herpyllus ecclesiasticus</i>	BR	IP	1	W. L. Young	1007
Araneae	Gnaphosidae	<i>Sergiolus capulatus</i>	BR	IP	1	W. L. Young	1011
Araneae	Hahniidae	<i>Neoantistea magna</i>	BR	LF	1	W. L. Young	935
Araneae	Hahniidae	<i>Neoantistea magna</i>	BR	IP	1	W. L. Young	992
Araneae	Hahniidae	<i>Neoantistea magna</i>	BR	IP	1	W. L. Young	1001
Araneae	Hahniidae	<i>Neoantistea magna</i>	BR	LF	1	W. L. Young	1059
Araneae	Hahniidae	<i>Neoantistea?</i> sp.	BR	LF	1	W. L. Young	1057
Araneae	Hahniidae	<i>Neoantistea?</i> sp.	BR	LF	1	W. L. Young	1071
Araneae	Linyphiidae	<i>Frontinella pyramitela</i>	CT	BE	1	W. L. Young	1350
Araneae	Linyphiidae	<i>Lepthyphantes</i> sp.	CT	SB	1	W. L. Young	1805
Araneae	Linyphiidae	<i>Linyphia pusilla</i>	CT	BE	1	W. L. Young	1349
Araneae	Linyphiidae	<i>Meioneta simplex</i>	BR	LT	1	W. L. Young	932
Araneae	Linyphiidae	<i>Meioneta simplex</i>	BR	GM	1	W. L. Young	1029
Araneae	Linyphiidae	<i>Meioneta simplex</i>	CT	IP	1	W. L. Young	1849
Araneae	Linyphiidae	<i>Microlinyphia maculata?</i>	BR	TR	1	W. L. Young	970
Araneae	Linyphiidae	<i>Microlinyphia maculata?</i>	BR	LF	1	W. L. Young	1064
Araneae	Linyphiidae	<i>Microlinyphia maculata?</i>	CT	SW	1	W. L. Young	1373
Araneae	Linyphiidae	<i>Microlinyphia maculata?</i>	CT	SW	1	W. L. Young	1379
Araneae	Linyphiidae	<i>Microlinyphia maculata?</i>	CT	SW	1	W. L. Young	1408
Araneae	Lycosidae	<i>Pardosa milvina</i>	CT	IP	2	W. L. Young	1825
Araneae	Lycosidae	<i>Pardosa milvina</i>	CT	SW	1	W. L. Young	1367
Araneae	Lycosidae	<i>Pardosa saxatilis</i>	CT	IP	1	W. L. Young	6847
Araneae	Lycosidae	<i>Pardosa</i> sp.	CT	SW	1	W. L. Young	1356
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	TR	1	W. L. Young	973
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	974
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	978
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	3	W. L. Young	980
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	988
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	997
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	1000
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	1006
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	IP	1	W. L. Young	1008
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	SB	1	W. L. Young	1013
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	SB	1	W. L. Young	1016
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	SB	1	W. L. Young	1018
Araneae	Lycosidae	<i>Pirata sedentarius</i>	BR	LF	1	W. L. Young	1039
Araneae	Lycosidae	<i>Pirata sedentarius</i>	CT	IP	2	W. L. Young	1833
Araneae	Lycosidae	<i>Pirata sedentarius</i>	CT	IP	1	W. L. Young	1847
Araneae	Lycosidae	<i>Pirata sedentarius</i>	CT	IP	3	W. L. Young	1850
Araneae	Lycosidae	<i>Pirata sedentarius</i>	CT	SB	1	W. L. Young	1794

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Lycosidae	<i>Pirata sedentarius</i>	CT	SB	2	W. L. Young	1802
Araneae	Lycosidae	<i>Pirata sedentarius?</i>	BR	LF	1	W. L. Young	1053
Araneae	Lycosidae	<i>Pirata</i> sp.	BR	IP	1	W. L. Young	977
Araneae	Lycosidae	<i>Pirata</i> sp.	BR	SB	1	W. L. Young	1015
Araneae	Lycosidae	<i>Pirata</i> sp.	BR	LF	1	W. L. Young	1034
Araneae	Lycosidae	<i>Pirata</i> sp.	BR	LF	1	W. L. Young	1058
Araneae	Lycosidae	<i>Pirata</i> sp.	CT	SB	1	W. L. Young	1800
Araneae	Lycosidae	<i>Pirata?</i> sp.	BR	TR	1	W. L. Young	956
Araneae	Lycosidae	<i>Pirata?</i> sp.	BR	SB	1	W. L. Young	1025
Araneae	Lycosidae	<i>Pirata?</i> sp.	CT	IP	1	W. L. Young	1834
Araneae	Lycosidae	<i>Pirata?</i> sp.	CT	IP	1	W. L. Young	1836
Araneae	Lycosidae	<i>Pirata?</i> sp.	CT	IP	1	W. L. Young	1851
Araneae	Lycosidae	<i>Pirata?</i> sp.	CT	SB	1	W. L. Young	1808
Araneae	Lycosidae	<i>Schizocosa ocreata</i>	BR	IP	1	W. L. Young	982
Araneae	Lycosidae	<i>Schizocosa ocreata</i>	BR	IP	2	W. L. Young	989
Araneae	Lycosidae	<i>Schizocosa ocreata</i>	BR	IP	1	W. L. Young	991
Araneae	Lycosidae	<i>Schizocosa ocreata</i>	BR	IP	1	W. L. Young	1010
Araneae	Lycosidae	<i>Schizocosa ocreata</i>	BR	SB	1	W. L. Young	1017
Araneae	Lycosidae	<i>Schizocosa ocreata</i>	BR	SB	1	W. L. Young	1024
Araneae	Lycosidae	<i>Schizocosa ocreata?</i>	BR	IP	1	W. L. Young	985
Araneae	Lycosidae	<i>Schizocosa ocreata?</i>	BR	LF	1	W. L. Young	1035
Araneae	Lycosidae	<i>Schizocosa?</i> sp.	CT	IP	1	W. L. Young	1826
Araneae	Oxyopidae	<i>Anyphaena</i> sp.	MC	GM	1		6942
Araneae	Oxyopidae	<i>Oxyopes</i> sp.	MC	SW	1		7622
Araneae	Oxyopidae	<i>Oxyopes</i> sp.	PA	SW	5		7140
Araneae	Oxyopidae	<i>Oxyopes</i> sp.	VD	SW	1		6872
Araneae	Oxyopidae	<i>Oxyopus scalaris</i>	CT	SW	1	W. L. Young	1365
Araneae	Oxyopidae	<i>Oxyopus scalaris?</i>	CT	SW	3	W. L. Young	1369
Araneae	Oxyopidae	<i>Oxyopus scalaris?</i>	CT	SW	1	W. L. Young	1380
Araneae	Philodromidae	<i>Philodromus marxi?</i>	CT	BE	1	W. L. Young	1862
Araneae	Philodromidae	<i>Philodromus marxi?</i>	CT	BE	2	W. L. Young	1330
Araneae	Philodromidae	<i>Philodromus marxi?</i>	CT	BE	1	W. L. Young	1342
Araneae	Philodromidae	<i>Philodromus rufus</i>	BR	BE	1	W. L. Young	1079
Araneae	Philodromidae	<i>Philodromus rufus?</i>	CT	BE	2	W. L. Young	1329
Araneae	Philodromidae	<i>Philodromus</i> sp.	BR	GM	1	W. L. Young	1031
Araneae	Philodromidae	<i>Philodromus</i> sp.	CT	BE	1	W. L. Young	1854
Araneae	Philodromidae	<i>Philodromus?</i> sp.	CT	BE	2	W. L. Young	1346
Araneae	Philodromidae	<i>Philodromus?</i> sp.	CT	LC	1	W. L. Young	1320
Araneae	Philodromidae	<i>Thanatus?</i> sp.	CT	LC	1	W. L. Young	1319
Araneae	Pisauridae	<i>Dolomedes tenebrosus</i>	BR	IP	1	W. L. Young	996
Araneae	Pisauridae	<i>Dolomedes triton?</i>	BR	BE	1	W. L. Young	1080
Araneae	Pisauridae	<i>Dolomedes?</i> sp.	BR	SB	1	W. L. Young	1021
Araneae	Pisauridae	<i>Dolomedes?</i> sp.	BR	SW	1	W. L. Young	1117
Araneae	Pisauridae	<i>Dolomedes?</i> sp.	BR	SW	1	W. L. Young	1130
Araneae	Pisauridae	<i>Dolomedes?</i> sp.	CT	BE	2	W. L. Young	1351
Araneae	Pisauridae	<i>Dolomedes?</i> sp.	CT	SW	1	W. L. Young	1397

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Pisauridae	<i>Pisaurina mira</i>	BR	BE	1	W. L. Young	1097
Araneae	Pisauridae	<i>Pisaurina mira</i>	BR	BE	1	W. L. Young	1100
Araneae	Pisauridae	<i>Pisaurina mira</i>	BR	SW	1	W. L. Young	1137
Araneae	Pisauridae	<i>Pisaurina mira</i>	BR	SW	1	W. L. Young	1138
Araneae	Pisauridae	<i>Pisaurina mira</i>	BR	SW	1	W. L. Young	1154
Araneae	Pisauridae	<i>Pisaurina mira</i>	CT	SW	1	W. L. Young	1372
Araneae	Pisauridae	<i>Pisaurina mira</i>	CT	SW	1	W. L. Young	1384
Araneae	Pisauridae	<i>Pisaurina mira</i>	CT	SW	3	W. L. Young	1389
Araneae	Pisauridae	<i>Pisaurina mira?</i>	BR	BE	1	W. L. Young	1083
Araneae	Pisauridae	<i>Pisaurina mira?</i>	BR	SW	1	W. L. Young	1116
Araneae	Pisauridae	<i>Pisaurina mira?</i>	BR	SW	2	W. L. Young	1129
Araneae	Pisauridae	<i>Pisaurina mira?</i>	BR	SW	1	W. L. Young	1149
Araneae	Pisauridae	<i>Pisaurina mira?</i>	BR	SW	3	W. L. Young	1160
Araneae	Pisauridae	<i>Pisaurina mira?</i>	BR	SW	1	W. L. Young	1165
Araneae	Pisauridae	<i>Pisaurina mira?</i>	CT	SW	4	W. L. Young	1366
Araneae	Salticidae	<i>Habrocestum pulex</i>	BR	TR	3	W. L. Young	960
Araneae	Salticidae	<i>Habrocestum pulex</i>	BR	IP	1	W. L. Young	979
Araneae	Salticidae	<i>Habrocestum pulex</i>	BR	IP	1	W. L. Young	984
Araneae	Salticidae	<i>Habrocestum pulex</i>	BR	IP	2	W. L. Young	1004
Araneae	Salticidae	<i>Habrocestum pulex</i>	CT	IP	1	W. L. Young	1326
Araneae	Salticidae	<i>Hentzia mitrata</i>	CT	SB	1	W. L. Young	1795
Araneae	Salticidae	<i>Icius</i> sp.	CT	BE	1	W. L. Young	1861
Araneae	Salticidae	<i>Marpissa lineata</i>	BR	LF	1	W. L. Young	1052
Araneae	Salticidae	<i>Metaphidippus</i> sp.	CT	BE	1	W. L. Young	1855
Araneae	Salticidae	<i>Metaphidippus</i> sp.	PA	SW	1		7138
Araneae	Salticidae	<i>Metaphidippus</i> sp.	VD	SW	2		7714
Araneae	Salticidae	<i>Metaphidippus?</i> sp.	CT	SW	3	W. L. Young	1390
Araneae	Salticidae	<i>Pelegrina</i> sp.	VD	HD	1		7663
Araneae	Salticidae	<i>Phidippus</i> sp.	WF	BE	1		7040
Araneae	Salticidae	<i>Phidippus</i> sp.	VD	SW	1		6866
Araneae	Salticidae	<i>Phidippus</i> sp.	WF	PO	1		7054
Araneae	Salticidae	<i>Sitticus</i> sp.	BR	SB	1	W. L. Young	1022
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	BE	2	W. L. Young	1860
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	BE	1	W. L. Young	1864
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	LF	1	W. L. Young	1783
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	SW	1	W. L. Young	1360
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	SW	2	W. L. Young	1371
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	SW	1	W. L. Young	1388
Araneae	Tetragnathidae	<i>Tetragnatha?</i> sp.	CT	SW	1	W. L. Young	1400
Araneae	Theridiidae	<i>Crustulina altera</i>	BR	LF	1	W. L. Young	1060
Araneae	Theridiidae	<i>Crustulina altera</i>	BR	LF	1	W. L. Young	1067
Araneae	Theridiidae	<i>Ctenium</i> sp.	BR	SW	1	W. L. Young	1136
Araneae	Theridiidae	<i>Dipoena nigra</i>	BR	TR	1	W. L. Young	953
Araneae	Theridiidae	<i>Dipoena nigra</i>	BR	TR	1	W. L. Young	961
Araneae	Theridiidae	<i>Dipoena nigra?</i>	BR	BE	1	W. L. Young	1102
Araneae	Theridiidae	<i>Dipoena nigra?</i>	BR	SW	1	W. L. Young	1126

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Theridiidae	<i>Dipoena?</i> sp.	CT	BE	2	W. L. Young	1336
Araneae	Theridiidae	<i>Euryopis argentea</i>	BR	IP	1	W. L. Young	1012
Araneae	Theridiidae	<i>Euryopis funebris</i>	BR	TR	1	W. L. Young	967
Araneae	Theridiidae	<i>Euryopis funebris</i>	CT	LF	1	W. L. Young	1780
Araneae	Theridiidae	<i>Euryopis funebris</i>	CT	LF	1	W. L. Young	1785
Araneae	Theridiidae	<i>Euryopis funebris</i>	CT	TR	1	W. L. Young	1315
Araneae	Theridiidae	<i>Euryopis funebris</i>	CT	TR	1	W. L. Young	1316
Araneae	Theridiidae	<i>Euryopis funebris</i>	CT	TR	1	W. L. Young	1317
Araneae	Theridiidae	<i>Steatoda americana</i>	BR	IP	1	W. L. Young	993
Araneae	Theridiidae	<i>Steatoda americana?</i>	BR	LF	1	W. L. Young	1062
Araneae	Theridiidae	<i>Steatoda americana?</i>	BR	LF	1	W. L. Young	1068
Araneae	Theridiidae	<i>Theridion differens</i>	BR	TR	1	W. L. Young	951
Araneae	Theridiidae	<i>Theridion differens</i>	BR	TR	1	W. L. Young	962
Araneae	Theridiidae	<i>Theridion differens</i>	BR	TR	1	W. L. Young	965
Araneae	Theridiidae	<i>Theridion differens</i>	BR	TR	1	W. L. Young	968
Araneae	Theridiidae	<i>Theridion differens</i>	BR	BE	1	W. L. Young	1077
Araneae	Theridiidae	<i>Theridion differens</i>	BR	BE	1	W. L. Young	1107
Araneae	Theridiidae	<i>Theridion frondeum</i>	BR	SW	1	W. L. Young	1120
Araneae	Theridiidae	<i>Theridion frondeum</i>	CT	SW	1	W. L. Young	1370
Araneae	Theridiidae	<i>Theridion frondeum</i>	CT	SW	1	W. L. Young	1381
Araneae	Theridiidae	<i>Theridion frondeum?</i>	CT	BE	1	W. L. Young	1868
Araneae	Theridiidae	<i>Theridion</i> sp.	BR	TR	1	W. L. Young	950
Araneae	Theridiidae	<i>Theridion</i> sp.	CT	BE	1	W. L. Young	1341
Araneae	Theridiidae	<i>Theridion</i> sp.	CT	SW	5	W. L. Young	1382
Araneae	Theridiidae	<i>Theridion?</i> sp.	BR	BE	2	W. L. Young	1081
Araneae	Theridiidae	<i>Theridion?</i> sp.	CT	BE	1	W. L. Young	1333
Araneae	Theridiidae	<i>Theridion?</i> sp.	CT	SW	1	W. L. Young	1374
Araneae	Theridiidae	<i>Theridion?</i> sp.	CT	SW	1	W. L. Young	1399
Araneae	Thomisidae	<i>Coriarachne versicolor</i>	BR	TR	1	W. L. Young	947
Araneae	Thomisidae	<i>Misumena</i> sp.	PA	PO	1		7079
Araneae	Thomisidae	<i>Misumena</i> sp.	VD	BE	1		7035
Araneae	Thomisidae	<i>Misumena</i> sp.	VD	BE	1		7715
Araneae	Thomisidae	<i>Misumena vatia</i>	CT	SB	1	W. L. Young	1328
Araneae	Thomisidae	<i>Misumenoides?</i> sp.	CT	BE	1	W. L. Young	1337
Araneae	Thomisidae	<i>Misumenoides?</i> sp.	CT	SW	4	W. L. Young	1368
Araneae	Thomisidae	<i>Misumenops</i> sp.	CT	BE	1	W. L. Young	1863
Araneae	Thomisidae	<i>Misumenops</i> sp.	CT	SW	1	W. L. Young	1375
Araneae	Thomisidae	<i>Misumenops?</i> sp.	BR	GM	1	W. L. Young	1030
Araneae	Thomisidae	<i>Misumenops?</i> sp.	BR	SW	1	W. L. Young	1132
Araneae	Thomisidae	<i>Misumenops?</i> sp.	CT	BE	1	W. L. Young	1334
Araneae	Thomisidae	<i>Misumenops?</i> sp.	CT	LT	1	W. L. Young	1313
Araneae	Thomisidae	<i>Misumenops?</i> sp.	CT	SW	2	W. L. Young	1385
Araneae	Thomisidae	<i>Misumenops?</i> sp.	CT	SW	3	W. L. Young	1392
Araneae	Thomisidae	<i>Xysticus ferox</i>	BR	GM	1	W. L. Young	1028
Araneae	Thomisidae	<i>Xysticus fraternus</i>	BR	IP	1	W. L. Young	975
Araneae	Thomisidae	<i>Xysticus fraternus</i>	BR	IP	1	W. L. Young	983

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Araneae	Thomisidae	<i>Xysticus fraternus</i>	BR	GM	1	W. L. Young	1032
Araneae	Thomisidae	<i>Xysticus fraternus</i>	BR	BE	1	W. L. Young	1087
Araneae	Thomisidae	<i>Xysticus</i> sp.	BR	CO	1	W. L. Young	938
Araneae	Thomisidae	<i>Xysticus</i> sp.	BR	LF	1	W. L. Young	1065
Araneae	Thomisidae	<i>Xysticus</i> sp.	CT	SW	1	W. L. Young	1378
Araneae	Thomisidae	<i>Xysticus</i> sp.	MC	GM	1		6893
Araneae	Thomisidae	<i>Xysticus</i> sp.	MC	IP	1		7508
Araneae	Thomisidae	<i>Xysticus?</i> sp.	BR	CO	1	W. L. Young	937
Araneae	Thomisidae	<i>Xysticus?</i> sp.	BR	LF	1	W. L. Young	1054
Araneae	Thomisidae	<i>Xysticus?</i> sp.	CT	SB	1	W. L. Young	1807
Araneae	Thomisidae	<i>Xysticus?</i> sp.	CT	SW	1	W. L. Young	1357
Araneae	Uloboridae	<i>Hyptiotes cavatus</i>	CT	SB	1	W. L. Young	1809
Araneae	Uloboridae	<i>Hyptiotes</i> sp.	BR	BE	1	W. L. Young	1088
Araneae	Uloboridae	<i>Hyptiotes?</i> sp.	BR	BE	1	W. L. Young	1076
Araneae	Uloboridae	<i>Hyptiotes?</i> sp.	BR	BE	1	W. L. Young	1085
Araneae	Uloboridae	<i>Hyptiotes?</i> sp.	BR	BE	1	W. L. Young	1104
Araneae	Uloboridae	<i>Hyptiotes?</i> sp.	BR	BE	2	W. L. Young	1108
Araneae	Uloboridae	<i>Hyptiotes?</i> sp.	BR	SW	1	W. L. Young	1119
Blattaria	Blatellidae	<i>Parcoblatta</i> sp. 1	BR	SB	1		6131
Blattaria	Blatellidae	<i>Parcoblatta virginica</i> (Brunner)	BR	LT	2	C. Violette	6125
Blattaria	Blatellidae	sp. 1	BR	SB	1		6127
Blattaria	Blatellidae	sp. 1	BR	SB	3		6132
Coleoptera	Alleculidae	<i>Hymenorus</i> sp. 1	BR	PO	1	M. Hutchinson	1810
Coleoptera	Alleculidae	<i>Hymenorus</i> sp. 1	BR	GM	1	M. Hutchinson	1812
Coleoptera	Alleculidae	<i>Hymenorus</i> sp. 1	BR	GM	1	M. Hutchinson	1811
Coleoptera	Alleculidae	<i>Hymenorus</i> sp. 2	CT	TR	1	M. Hutchinson	4407
Coleoptera	Alleculidae	<i>Mycetochara</i> ? sp. 2	CT	LT	1	M. Hutchinson	4406
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	1837
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	TR	1	M. Hutchinson	1835
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	3077
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	1838
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	1839
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	1840
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	1841
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	1842
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	3078
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	3079
Coleoptera	Alleculidae	<i>Mycetochara</i> sp. 1	BR	LT	1	M. Hutchinson	3080
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1843
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1449
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1445
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1443
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1448
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1441
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	BR	GM	1	M. Hutchinson	1442
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	CT	GM	1	M. Hutchinson	4408

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	CT	GM	1	M. Hutchinson	4409
Coleoptera	Anobiidae	<i>Caenocara</i> sp. 1	CT	IP	1	M. Hutchinson	4410
Coleoptera	Anobiidae	<i>Hadrobregmus notatus</i> (Say)	BR	LT	1	M. Hutchinson	3076
Coleoptera	Anobiidae	sp. 2	BR	GM	1		1844
Coleoptera	Anobiidae	sp. 2	BR	GM	1		1450
Coleoptera	Anobiidae	sp. 3	BR	LT	1		1452
Coleoptera	Anobiidae	sp. 4	BR	TR	1		1454
Coleoptera	Anobiidae	sp. 5	BR	GM	1		1845
Coleoptera	Anobiidae	sp. 5	BR	GM	1		1447
Coleoptera	Anobiidae	sp. 6	BR	LT	1		1451
Coleoptera	Anobiidae	sp. 6	BR	GM	1		1444
Coleoptera	Anthicidae	<i>Anthicus</i> sp. 1	BR	LT	1	M. Hutchinson	1456
Coleoptera	Anthicidae	<i>Anthicus</i> sp. 1	BR	CO	1	M. Hutchinson	1457
Coleoptera	Anthicidae	<i>Anthicus</i> sp. 1	CT	LT	1	M. Hutchinson	4412
Coleoptera	Anthicidae	<i>Vanonus vigilans</i> Casey	CT	LT	1	M. Hutchinson	4411
Coleoptera	Anthribidae	sp. 1	BR	GM	1		1461
Coleoptera	Anthribidae	sp. 1	BR	GM	1		1459
Coleoptera	Anthribidae	sp. 1	BR	GM	1		1462
Coleoptera	Anthribidae	sp. 1	BR	GM	1		1460
Coleoptera	Anthribidae	sp. 2	BR	GM	1		1458
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	BE	1	M. Hutchinson	1486
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	TR	1	M. Hutchinson	1487
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1467
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1476
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	3656
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1478
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	3653
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1474
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1464
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1479
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1465
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1466
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1468
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1469
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1470
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1471
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1472
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1473
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	3654
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	3655
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1477
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 1	BR	GM	1	M. Hutchinson	1484
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 2	BR	BE	1	M. Hutchinson	1485
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 3	BR	GM	1	M. Hutchinson	1483
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 3	BR	GM	1	M. Hutchinson	1480
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 3	BR	GM	1	M. Hutchinson	1481

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Buprestidae	<i>Agrilus</i> sp. 3	BR	GM	1	M. Hutchinson	1482
Coleoptera	Buprestidae	<i>Haplostethus subcyaneus</i> LeConte	BR	IP	1	M. Hutchinson	1463
Coleoptera	Buprestidae	<i>Pachyschelus purpureus</i> (Say)	BR	GM	1	M. Hutchinson	1475
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	LT	1	M. Hutchinson	1832
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	TR	1	M. Hutchinson	1822
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	GM	1	M. Hutchinson	1816
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	LT	1	M. Hutchinson	1830
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	LT	1	M. Hutchinson	1831
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	LT	1	M. Hutchinson	4401
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 1	BR	LT	1	M. Hutchinson	4402
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 2	BR	SW	1	M. Hutchinson	1491
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 3	BR	BE	1	M. Hutchinson	1492
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 3	BR	BE	1	M. Hutchinson	1493
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 3	BR	LT	1	M. Hutchinson	1824
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 3	BR	LT	1	M. Hutchinson	1828
Coleoptera	Cantharidae	<i>Cantharis</i> sp. 3	BR	LT	1	M. Hutchinson	1829
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	SB	1	M. Hutchinson	1817
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	BE	1	M. Hutchinson	1815
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1813
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1818
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1814
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1820
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1821
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1488
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1823
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	GM	1	M. Hutchinson	1819
Coleoptera	Cantharidae	<i>Podabrus</i> sp. 1	BR	LT	1	M. Hutchinson	1827
Coleoptera	Cantharidae	sp. 1	BR	SW	1		1490
Coleoptera	Cantharidae	<i>Trypheus latipennis</i> (Germar)	BR	GM	1	M. Hutchinson	1489
Coleoptera	Carabidae	<i>Acupalpus pumilus</i> Kby.	CT	CO	1	R. Davidson	4444
Coleoptera	Carabidae	<i>Acupalpus pumilus</i> Lindroth	BR	LT	1	R. Davidson	3728
Coleoptera	Carabidae	<i>Acupalpus rectangulus</i> Chd.	CT	LT	1	R. Davidson	4488
Coleoptera	Carabidae	<i>Acupalpus rectangulus</i> Chd.	CT	LT	1	R. Davidson	4504
Coleoptera	Carabidae	<i>Agonum aeruginosum</i> Dejean	BR	LT	1	R. Davidson	806
Coleoptera	Carabidae	<i>Agonum melanarium</i> Dejean	CT	SB	1	R. Davidson	4415
Coleoptera	Carabidae	<i>Agonum melanarium</i> Dejean	CT	SB	1	R. Davidson	4416
Coleoptera	Carabidae	<i>Agonum melanarium</i> Dejean	CT	SB	1	R. Davidson	4417
Coleoptera	Carabidae	<i>Agonum melanarium</i> Dejean	CT	SB	1	R. Davidson	4418
Coleoptera	Carabidae	<i>Agonum melanarium</i> Dejean	CT	SB	1	R. Davidson	4419
Coleoptera	Carabidae	<i>Agonum punctiforme</i> (Say)	CT	IP	1	R. Davidson	4422
Coleoptera	Carabidae	<i>Amara pallipes</i> Kby.	CT	CO	1	R. Davidson	4446
Coleoptera	Carabidae	<i>Anisodactylus nigellimus</i>	BR	IP	1	R. Davidson	1884
Coleoptera	Carabidae	<i>Badister reflexus</i> LeConte	BR	LT	1	R. Davidson	798
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	BR	LT	1	R. Davidson	3680
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	BR	LT	1	R. Davidson	3681
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	BR	LT	1	R. Davidson	3682

[illegible]

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4484
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4485
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4486
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4487
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4489
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4491
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4492
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4493
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4494
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4495
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4497
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4498
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4500
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4501
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) affine</i> Say	CT	LT	1	R. Davidson	4502
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) impotens</i> Casey	CT	LT	1	R. Davidson	4499
Coleoptera	Carabidae	<i>Bembidion (Furcacampa) minus</i> Hayward	CT	LT	1	R. Davidson	4505
Coleoptera	Carabidae	<i>Calathus gregarius</i> (Say)	CT	SB	1	R. Davidson	4414
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	BR	SB	1	R. Davidson	1871
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	BR	IP	1	R. Davidson	1875
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	CT	IP	1	R. Davidson	4423
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	CT	IP	1	R. Davidson	4431
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	CT	IP	1	R. Davidson	4427
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	CT	IP	1	R. Davidson	4432
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	CT	IP	1	R. Davidson	4429
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) aestivus</i> Say	CT	IP	1	R. Davidson	4430
Coleoptera	Carabidae	<i>Chlaenius (Chlaenius) laticollis</i> Say	CT	IP	1	R. Davidson	4428
Coleoptera	Carabidae	<i>Cicindela sexquittata</i> Fabricius	PA	GM	1		7512
Coleoptera	Carabidae	<i>Cicindela sexquittata</i> Fabricius	PA	GM	1		7096
Coleoptera	Carabidae	<i>Clivina (Paraclivina) bipustulata</i> (F.)	BR	LT	1	R. Davidson	840
Coleoptera	Carabidae	<i>Coptodera aerata</i> Dejean	BR	TR	1	R. Davidson	796
Coleoptera	Carabidae	<i>Cymindis (Pinacodera) limbatus</i> Dejean	BR	GM	1	R. Davidson	1886
Coleoptera	Carabidae	<i>Cymindis (Pinacodera) limbatus</i> Dejean	BR	TR	1	R. Davidson	1888
Coleoptera	Carabidae	<i>Dicaelus dilatatus</i> Say	BR	IP	1	R. Davidson	1881
Coleoptera	Carabidae	<i>Elaphropus xanthopus</i> (Dej.)	CT	IP	1	R. Davidson	4435
Coleoptera	Carabidae	<i>Elaphropus xanthopus</i> (Dej.)	CT	IP	1	R. Davidson	4436
Coleoptera	Carabidae	<i>Elaphropus xanthopus</i> (Dej.)	CT	IP	1	R. Davidson	4437
Coleoptera	Carabidae	<i>Elaphropus xanthopus</i> (Dejean)	BR	LT	1	R. Davidson	813
Coleoptera	Carabidae	<i>Galerita bicolor</i> (Drury)	CT	IP	1	R. Davidson	4426
Coleoptera	Carabidae	<i>Harpalus pensylvanicus</i> (DeGeer)	CT	IP	1	R. Davidson	4438
Coleoptera	Carabidae	<i>Harpalus pensylvanicus</i> (DeGeer)	CT	IP	1	R. Davidson	4424
Coleoptera	Carabidae	<i>Lebia solea</i> Hentz	BR	GM	1	R. Davidson	791
Coleoptera	Carabidae	<i>Lebia solea</i> Hentz	CT	CO	1	R. Davidson	4441
Coleoptera	Carabidae	<i>Lebia solea</i> Hentz	CT	LT	1	R. Davidson	4479
Coleoptera	Carabidae	<i>Lebia solea</i> Hentz	CT	LT	1	R. Davidson	4480
Coleoptera	Carabidae	<i>Lebia tricolor</i> Say	CT	LT	1	R. Davidson	4448

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Carabidae	<i>Myas caracinus</i> (Say)	BR	SB	1	R. Davidson	1870
Coleoptera	Carabidae	<i>Notiophilus aeneus</i> (Herbst)	BR	LF	1	R. Davidson	793
Coleoptera	Carabidae	<i>Notiophilus aeneus</i> (Herbst)	BR	LF	1	R. Davidson	792
Coleoptera	Carabidae	<i>Paratachys oblitus</i> (Casey)	BR	LT	1	R. Davidson	3722
Coleoptera	Carabidae	<i>Paratachys potomaca</i> Erwin	BR	LF	1	R. Davidson	794
Coleoptera	Carabidae	<i>Paratachys potomaca</i> Erwin	CT	CO	1	R. Davidson	4442
Coleoptera	Carabidae	<i>Paratachys potomaca</i> Erwin	CT	CO	1	R. Davidson	4445
Coleoptera	Carabidae	<i>Paratachys potomaca</i> Erwin	CT	IP	1	R. Davidson	4439
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3689
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3701
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3706
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3708
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3709
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3714
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	BR	LT	1	R. Davidson	3723
Coleoptera	Carabidae	<i>Paratachys proximus</i> (Say)	CT	LT	1	R. Davidson	4490
Coleoptera	Carabidae	<i>Paratachys pumilus</i> (Dejean)	CT	CO	1	R. Davidson	4443
Coleoptera	Carabidae	<i>Paratachys</i> sp. 1	CT	LT	1	R. Davidson	4460
Coleoptera	Carabidae	<i>Paratachys</i> sp. 1	CT	LT	1	R. Davidson	4496
Coleoptera	Carabidae	<i>Perigona nigriceps</i> (Dej.)	CT	LT	1	R. Davidson	4503
Coleoptera	Carabidae	<i>Platynus decentis</i> (Say)	BR	IP	1	R. Davidson	1880
Coleoptera	Carabidae	<i>Platynus decentis</i> (Say)	BR	TR	1	R. Davidson	1885
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	BR	IP	1	R. Davidson	1878
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	BR	IP	1	R. Davidson	1879
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	BR	IP	1	R. Davidson	1876
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	BR	IP	1	R. Davidson	1877
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	CT	IP	1	R. Davidson	4440
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	CT	IP	1	R. Davidson	4433
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	CT	IP	1	R. Davidson	4420
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	CT	IP	1	R. Davidson	4434
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	CT	IP	1	R. Davidson	4421
Coleoptera	Carabidae	<i>Poecilus lucublandus</i> (Say)	CT	IP	1	R. Davidson	4425
Coleoptera	Carabidae	<i>Pterostichus (Abacidus) permundus</i> (Say)	BR	SB	1	R. Davidson	1874
Coleoptera	Carabidae	<i>Pterostichus (Morphnosoma) stygicus</i> (Say)	BR	IP	1	R. Davidson	1882
Coleoptera	Carabidae	<i>Scaphinotus (Irichroa) viduus</i> (Dejean)	BR	SB	1	R. Davidson	1872
Coleoptera	Carabidae	<i>Scaphinotus (Irichroa) viduus</i> (Dejean)	BR	SB	1	R. Davidson	1873
Coleoptera	Carabidae	<i>Sphaeroderus stenostomus stenostomus</i> (Weber)	BR	LF	1	R. Davidson	1887
Coleoptera	Carabidae	<i>Stenolophus (Agonoderus) lecontei</i> (Chd.)	CT	LT	1	R. Davidson	4455
Coleoptera	Carabidae	<i>Stenolophus (Agonoderus) lecontei</i> (Chd.)	CT	LT	1	R. Davidson	4476
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	797
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	799
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	800
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	801
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	802
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	803
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	804

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	805
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	807
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	808
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	809
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	810
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	811
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	BR	LT	1	R. Davidson	812
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4449
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4450
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4451
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4452
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4453
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4454
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4456
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4457
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4462
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4463
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4464
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4465
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4466
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4467
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4468
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4469
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4472
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4473
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4474
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4475
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4477
Coleoptera	Carabidae	<i>Stenolophus (Stenolophus) ochropezus</i> (Say)	CT	LT	1	R. Davidson	4478
Coleoptera	Carabidae	<i>Trichotichnus autumnalis</i> (Say)	BR	IP	1	R. Davidson	1883
Coleoptera	Carabidae	unknown	BR	TR	1		2922
Coleoptera	Carabidae	unknown	CT	SB	1		4447
Coleoptera	Cerambycidae	<i>Analeptura lineola</i> (Say)	BR	GM	1	M. Hutchinson	2971
Coleoptera	Cerambycidae	<i>Aneflomorpha subpubescens</i> (LeConte)	BR	GM	1	M. Hutchinson	2970
Coleoptera	Cerambycidae	<i>Aneflomorpha subpubescens</i> (LeConte)	BR	GM	1	M. Hutchinson	2969
Coleoptera	Cerambycidae	<i>Aneflomorpha subpubescens</i> (LeConte)	BR	GM	1	M. Hutchinson	2972
Coleoptera	Cerambycidae	<i>Anelaphus villosus</i> (F.)	BR	TR	1	M. Hutchinson	2973
Coleoptera	Cerambycidae	<i>Anelaphus villosus</i> (F.)	BR	LT	1	M. Hutchinson	1262
Coleoptera	Cerambycidae	<i>Distenia undata</i> (F.)	CT	TR	1	M. Hutchinson	4506
Coleoptera	Cerambycidae	<i>Lepturges confluens</i> (Haldeman)	BR	LT	1	M. Hutchinson	1263
Coleoptera	Cerambycidae	<i>Necydalis mellita</i> (Say)	BR	GM	1	M. Hutchinson	1264
Coleoptera	Cerambycidae	<i>Necydalis mellita</i> (Say)	BR	GM	1	M. Hutchinson	2974
Coleoptera	Cerambycidae	<i>Necydalis mellita</i> (Say)	BR	SB	1	M. Hutchinson	1267
Coleoptera	Cerambycidae	<i>Necydalis mellita</i> (Say)	BR	GM	1	M. Hutchinson	2975
Coleoptera	Cerambycidae	<i>Obrium maculatum</i> (Olivier)	BR	BE	1	M. Hutchinson	1266
Coleoptera	Cerambycidae	<i>Obrium maculatum</i> (Olivier)	BR	GM	1	M. Hutchinson	1268

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Cerambycidae	<i>Sarosesthes fulminans</i> (F.)	BR	TR	1	M. Hutchinson	2976
Coleoptera	Cerambycidae	<i>Sarosesthes fulminans</i> (F.)	BR	GM	1	M. Hutchinson	2968
Coleoptera	Cerambycidae	<i>Sarosesthes fulminans</i> (F.)	BR	GM	1	M. Hutchinson	2977
Coleoptera	Cerambycidae	<i>Tetraopes</i> sp.	WF	PO	1		7050
Coleoptera	Cerambycidae	<i>Typocerus lugubris</i> (Say)	BR	GM	1	M. Hutchinson	1265
Coleoptera	Cerambycidae	<i>Urographis fasciatus</i> (DeGeer)	BR	TR	2	M. Hutchinson	1261
Coleoptera	Cerambycidae	<i>Urographis fasciatus</i> (DeGeer)	BR	TR	1	M. Hutchinson	4718
Coleoptera	Cerambycidae	<i>Xylotrechus colonus</i> (F.)	BR	GM	1	M. Hutchinson	1269
Coleoptera	Chrysomelidae	<i>Chrysochus</i> sp.	PA	SB	1		7019
Coleoptera	Chrysomelidae	<i>Chrysochus</i> sp.	PA	SW	1		7196
Coleoptera	Chrysomelidae	<i>Metriona</i> sp.	WF	SB	1		7008
Coleoptera	Chrysomelidae	<i>Metriona</i> sp.	WF	SW	14		6990
Coleoptera	Chrysomelidae	<i>Psylloides</i> sp.	WF	BE	1		7046
Coleoptera	Chrysomelidae	sp. 1	BR	BE	1		3293
Coleoptera	Chrysomelidae	sp. 1	BR	GM	1		1432
Coleoptera	Chrysomelidae	sp. 1	BR	SW	1		1430
Coleoptera	Chrysomelidae	sp. 1	BR	SW	1		1429
Coleoptera	Chrysomelidae	sp. 1	BR	GM	1		1438
Coleoptera	Chrysomelidae	sp. 1	BR	GM	1		1433
Coleoptera	Chrysomelidae	sp. 1	BR	GM	1		1434
Coleoptera	Chrysomelidae	sp. 1	CT	BE	1		4535
Coleoptera	Chrysomelidae	sp. 1	CT	SW	1		4523
Coleoptera	Chrysomelidae	sp. 1	CT	SW	1		4524
Coleoptera	Chrysomelidae	sp. 10	CT	SW	1		4526
Coleoptera	Chrysomelidae	sp. 10	CT	SW	1		4527
Coleoptera	Chrysomelidae	sp. 11	CT	GM	1		4513
Coleoptera	Chrysomelidae	sp. 11	CT	SW	1		4528
Coleoptera	Chrysomelidae	sp. 12	CT	SW	1		4511
Coleoptera	Chrysomelidae	sp. 13	CT	BE	1		4534
Coleoptera	Chrysomelidae	sp. 13	CT	GM	1		4512
Coleoptera	Chrysomelidae	sp. 14	CT	GM	1		4531
Coleoptera	Chrysomelidae	sp. 14	CT	SW	1		4529
Coleoptera	Chrysomelidae	sp. 15	CT	LT	1		4536
Coleoptera	Chrysomelidae	sp. 16	CT	GM	1		4530
Coleoptera	Chrysomelidae	sp. 16	CT	SW	1		4508
Coleoptera	Chrysomelidae	sp. 16	CT	SW	1		4521
Coleoptera	Chrysomelidae	sp. 16	CT	SW	1		4522
Coleoptera	Chrysomelidae	sp. 17	CT	BE	1		4532
Coleoptera	Chrysomelidae	sp. 17	CT	GM	1		4514
Coleoptera	Chrysomelidae	sp. 17	CT	SW	1		4510
Coleoptera	Chrysomelidae	sp. 18	CT	BE	1		4533
Coleoptera	Chrysomelidae	sp. 2	BR	GM	1		1439
Coleoptera	Chrysomelidae	sp. 2	BR	GM	1		1431
Coleoptera	Chrysomelidae	sp. 2	CT	SW	1		4509
Coleoptera	Chrysomelidae	sp. 3	BR	TR	1		3290
Coleoptera	Chrysomelidae	sp. 3	BR	GM	1		1436

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Chrysomelidae	sp. 3	BR	SW	1		1428
Coleoptera	Chrysomelidae	sp. 3	BR	GM	1		1440
Coleoptera	Chrysomelidae	sp. 4	BR	GM	1		1270
Coleoptera	Chrysomelidae	sp. 5	BR	GM	1		1435
Coleoptera	Chrysomelidae	sp. 6	BR	SB	1		3291
Coleoptera	Chrysomelidae	sp. 7	CT	SW	1		4520
Coleoptera	Chrysomelidae	sp. 8	CT	TR	1		4537
Coleoptera	Chrysomelidae	sp. 9	CT	SW	1		4525
Coleoptera	Chrysomelidae	<i>Steniska metallica</i> (F.)	CT	SW	1	M. Hutchinson	4507
Coleoptera	Chrysomelidae	<i>Systema hudsonias</i> (Forster)	BR	BE	1	M. Hutchinson	3292
Coleoptera	Chrysomelidae	<i>Systema hudsonias</i> (Forster)	BR	SW	1	M. Hutchinson	1426
Coleoptera	Chrysomelidae	<i>Systema hudsonias</i> (Forster)	BR	GM	1	M. Hutchinson	1437
Coleoptera	Chrysomelidae	<i>Systema hudsonias</i> (Forster)	BR	SW	1	M. Hutchinson	1427
Coleoptera	Cleridae	<i>Cregya oculata</i> (Say)	BR	GM	1	M. Hutchinson	3296
Coleoptera	Cleridae	<i>Cymatodera</i> sp. 1	BR	GM	1	M. Hutchinson	3294
Coleoptera	Cleridae	<i>Cymatodera</i> sp. 2 (probably <i>undulata</i>)	CT	TR	1	M. Hutchinson	4538
Coleoptera	Cleridae	<i>Enoclerus</i> sp.	VD	PO	1		7195
Coleoptera	Cleridae	sp. 1	BR	GM	1		3295
Coleoptera	Coccinellidae	<i>Brachiacantha</i> sp. 1	BR	GM	1	M. Hutchinson	1410
Coleoptera	Coccinellidae	<i>Brachiacantha</i> sp. 1	BR	GM	1	M. Hutchinson	1412
Coleoptera	Coccinellidae	<i>Brachiacantha</i> sp. 1	CT	GM	1	M. Hutchinson	4550
Coleoptera	Coccinellidae	<i>Brachyacantha</i> sp.	PA	TR	1		6985
Coleoptera	Coccinellidae	<i>Coleomegilla fuscilabris</i> (Muls.)	CT	GM	1	M. Hutchinson	4546
Coleoptera	Coccinellidae	<i>Coleomegilla fuscilabris</i> (Muls.)	CT	SB	1	M. Hutchinson	4554
Coleoptera	Coccinellidae	<i>Coleomegilla</i> sp.	PA	GM	1		7529
Coleoptera	Coccinellidae	<i>Coleomegilla</i> sp.	PA	GM	1		7553
Coleoptera	Coccinellidae	<i>Coleomegilla</i> sp.	VD	SW	1		6877
Coleoptera	Coccinellidae	<i>Coleomegilla</i> sp.	WF	GM	1		7397
Coleoptera	Coccinellidae	<i>Cycloneda munda</i> (Say)	CT	GM	1	M. Hutchinson	4545
Coleoptera	Coccinellidae	<i>Harmonia axyridis</i>	BR	SW	1	M. Hutchinson	1423
Coleoptera	Coccinellidae	<i>Harmonia axyridis</i>	BR	PO	1	M. Hutchinson	1425
Coleoptera	Coccinellidae	<i>Harmonia axyridis</i>	BR	GM	1	M. Hutchinson	1411
Coleoptera	Coccinellidae	<i>Harmonia axyridis</i>	BR	GM	1	M. Hutchinson	1415
Coleoptera	Coccinellidae	<i>Harmonia axyridis</i>	BR	SW	1	M. Hutchinson	1424
Coleoptera	Coccinellidae	<i>Psyllobora vigintimaculata</i> (Say)	BR	GM	1	M. Hutchinson	1416
Coleoptera	Coccinellidae	<i>Psyllobora vigintimaculata</i> (Say)	CT	GM	1	M. Hutchinson	4549
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	BR	GM	1	M. Hutchinson	1413
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	BR	SW	1	M. Hutchinson	1419
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	BR	SW	1	M. Hutchinson	1420
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	BR	SW	1	M. Hutchinson	1421
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	BR	SW	1	M. Hutchinson	1422
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4551
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4547
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4540
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4548
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4541

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4542
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4543
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4544
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	GM	1	M. Hutchinson	4553
Coleoptera	Coccinellidae	<i>Scymnus</i> sp. 1	CT	SW	1	M. Hutchinson	4539
Coleoptera	Coccinellidae	sp. 1	BR	GM	1		1414
Coleoptera	Coccinellidae	sp. 2	BR	GM	1		1417
Coleoptera	Coccinellidae	sp. 3	BR	SB	1		1409
Coleoptera	Coccinellidae	sp. 3	BR	GM	1		1418
Coleoptera	Coccinellidae	sp. 3	CT	SB	1		4555
Coleoptera	Coccinellidae	sp. 4	CT	GM	1		4552
Coleoptera	Colydiidae	<i>Microsicus parvulus</i> Guerin	BR	LT	1	M. Hutchinson	3299
Coleoptera	Colydiidae	sp. 1	BR	LT	1		3300
Coleoptera	Colydiidae	sp. 2	BR	LT	1		3298
Coleoptera	Colydiidae	sp. 3	BR	TR	1		3297
Coleoptera	Corylophidae	sp. 1	BR	TR	1		3303
Coleoptera	Corylophidae	sp. 1	BR	TR	1		3302
Coleoptera	Corylophidae	sp. 1	BR	GM	1		3301
Coleoptera	Corylophidae	sp. 1	CT	GM	1		4556
Coleoptera	Corylophidae	sp. 1	CT	GM	1		4557
Coleoptera	Corylophidae	sp. 1	CT	GM	1		4558
Coleoptera	Corylophidae	sp. 1	CT	LT	1		4559
Coleoptera	Corylophidae	sp. 2	BR	TR	1		208
Coleoptera	Cryptophagidae	sp. 1	CT	LT	1		4516
Coleoptera	Cryptophagidae	sp. 1	CT	LT	1		4517
Coleoptera	Cryptophagidae	sp. 2	CT	SW	1		4560
Coleoptera	Cryptophagidae	sp. 2	CT	SW	1		4515
Coleoptera	Cryptophagidae	sp. 2	CT	SW	1		327
Coleoptera	Cucujidae	<i>Catogenus rufus</i> (F.)	BR	TR	1	M. Hutchinson	3308
Coleoptera	Cucujidae	<i>Lamophloeus biguttatus</i> Say	BR	LT	1	M. Hutchinson	3305
Coleoptera	Cucujidae	sp. 1	BR	LT	1		3304
Coleoptera	Cucujidae	sp. 1	BR	LT	1		3306
Coleoptera	Cucujidae	sp. 1	BR	LT	1		3307
Coleoptera	Cucujidae	<i>Telephanus</i> sp. 1	CT	GM	1	M. Hutchinson	4562
Coleoptera	Cucujidae	<i>Telephanus</i> sp. 1	CT	SW	1	M. Hutchinson	4519
Coleoptera	Cucujidae	<i>Telephanus</i> sp. 1	CT	SW	1	M. Hutchinson	4518
Coleoptera	Curculionidae	sp. 1	BR	BE	1		3674
Coleoptera	Curculionidae	sp. 1	BR	PO	1		3323
Coleoptera	Curculionidae	sp. 1	BR	GM	1		3309
Coleoptera	Curculionidae	sp. 1	BR	GM	1		3311
Coleoptera	Curculionidae	sp. 1	BR	GM	1		2923
Coleoptera	Curculionidae	sp. 1	BR	GM	1		3310
Coleoptera	Curculionidae	sp. 1	BR	GM	1		3312
Coleoptera	Curculionidae	sp. 1	BR	GM	1		3315
Coleoptera	Curculionidae	sp. 1	CT	IP	1		4571
Coleoptera	Curculionidae	sp. 10	BR	GM	1		3317

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4573
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4574
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4575
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4576
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4577
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4578
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4579
Coleoptera	Curculionidae	sp. 11	CT	GM	1		4580
Coleoptera	Curculionidae	sp. 11	CT	TR	1		4570
Coleoptera	Curculionidae	sp. 11	CT	TR	1		4565
Coleoptera	Curculionidae	sp. 11	CT	TR	1		4566
Coleoptera	Curculionidae	sp. 12	BR	GM	1		3314
Coleoptera	Curculionidae	sp. 13	CT	LF	1		4563
Coleoptera	Curculionidae	sp. 13	CT	TR	1		4569
Coleoptera	Curculionidae	sp. 13	CT	TR	1		4567
Coleoptera	Curculionidae	sp. 14	CT	SW	1		4564
Coleoptera	Curculionidae	sp. 15	CT	TR	1		4568
Coleoptera	Curculionidae	sp. 2	BR	TR	1		3677
Coleoptera	Curculionidae	sp. 2	BR	TR	1		3676
Coleoptera	Curculionidae	sp. 2	BR	TR	1		3675
Coleoptera	Curculionidae	sp. 2	BR	TR	1		3678
Coleoptera	Curculionidae	sp. 2	BR	TR	1		3673
Coleoptera	Curculionidae	sp. 3	BR	LT	1		3322
Coleoptera	Curculionidae	sp. 3	BR	TR	1		3672
Coleoptera	Curculionidae	sp. 4	BR	GM	1		3313
Coleoptera	Curculionidae	sp. 4	BR	GM	1		3316
Coleoptera	Curculionidae	sp. 5	BR	LF	1		3321
Coleoptera	Curculionidae	sp. 5	BR	TR	1		3671
Coleoptera	Curculionidae	sp. 6	BR	IP	1		3320
Coleoptera	Curculionidae	sp. 7	BR	TR	1		3679
Coleoptera	Curculionidae	sp. 8	BR	IP	1		3319
Coleoptera	Curculionidae	sp. 9	BR	GM	1		3318
Coleoptera	Curculionidae	<i>Sphenophorus</i> sp. 1	CT	SB	1	M. Hutchinson	4572
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3664
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3662
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3668
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3665
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3663
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3669
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3670
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3666
Coleoptera	Dascillidae	sp. 1	BR	GM	1		3667
Coleoptera	Dermestidae	sp. 1	BR	CO	1		3659
Coleoptera	Dermestidae	sp. 1	BR	GM	1		3660
Coleoptera	Dermestidae	sp. 1	BR	GM	1		3661
Coleoptera	Dermestidae	sp. 2	BR	CO	1		3658

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Dytiscidae	<i>Agabus</i> sp.	MC	HD	1		7644
Coleoptera	Dytiscidae	<i>Agabus</i> sp.	WF	KN	1		7653
Coleoptera	Dytiscidae	sp. 1	BR	LT	1		3657
Coleoptera	Elateridae	<i>Aeolus</i> sp. 1	BR	BE	1	M. Hutchinson	2568
Coleoptera	Elateridae	<i>Glyphonyx</i> sp. 1	BR	TR	1	M. Hutchinson	1909
Coleoptera	Elateridae	<i>Glyphonyx</i> sp. 1	BR	LT	1	M. Hutchinson	841
Coleoptera	Elateridae	<i>Lacon discoidea</i> (Weber)	BR	GM	1	M. Hutchinson	1897
Coleoptera	Elateridae	<i>Limonius</i> sp. 1	BR	SB	1	M. Hutchinson	2569
Coleoptera	Elateridae	<i>Limonius</i> sp. 1	BR	GM	1	M. Hutchinson	1913
Coleoptera	Elateridae	<i>Limonius</i> sp. 1	BR	GM	1	M. Hutchinson	1915
Coleoptera	Elateridae	<i>Limonius</i> sp. 1	BR	GM	1	M. Hutchinson	1916
Coleoptera	Elateridae	<i>Limonius</i> sp. 1	BR	GM	1	M. Hutchinson	1914
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	BR	LT	1	M. Hutchinson	1902
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	BR	GM	1	M. Hutchinson	1899
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	BR	GM	1	M. Hutchinson	1906
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	BR	LT	1	M. Hutchinson	1901
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	BR	LT	1	M. Hutchinson	843
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	CT	GM	1	M. Hutchinson	4585
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	CT	LT	1	M. Hutchinson	4583
Coleoptera	Elateridae	<i>Melanotus</i> sp. 1	CT	LT	1	M. Hutchinson	4584
Coleoptera	Elateridae	<i>Melanotus</i> sp. 2	BR	GM	1	M. Hutchinson	1912
Coleoptera	Elateridae	<i>Melanotus</i> sp. 2	BR	GM	1	M. Hutchinson	1898
Coleoptera	Elateridae	<i>Melanotus</i> sp. 3	BR	LT	1	M. Hutchinson	842
Coleoptera	Elateridae	sp. 1	BR	LT	1		1903
Coleoptera	Elateridae	sp. 1	BR	GM	1		1900
Coleoptera	Elateridae	sp. 1	BR	GM	1		1894
Coleoptera	Elateridae	sp. 1	BR	GM	1		1896
Coleoptera	Elateridae	sp. 1	BR	GM	1		1895
Coleoptera	Elateridae	sp. 2	BR	TR	1		1908
Coleoptera	Elateridae	sp. 2	BR	TR	1		1910
Coleoptera	Elateridae	sp. 2	BR	TR	1		1907
Coleoptera	Elateridae	sp. 3	BR	GM	1		1911
Coleoptera	Elateridae	sp. 4	BR	GM	1		1905
Coleoptera	Elateridae	sp. 5	BR	GM	1		1904
Coleoptera	Elateridae	sp. 6	BR	SB	1		1893
Coleoptera	Elateridae	sp. 7	CT	TR	1		4586
Coleoptera	Elateridae	sp. 8	CT	CO	1		4582
Coleoptera	Erotylidae	sp. 1	BR	GM	1		2573
Coleoptera	Erotylidae	sp. 1	BR	GM	1		2574
Coleoptera	Erotylidae	sp. 2	CT	SB	1		4581
Coleoptera	Erotylidae	<i>Triplax festiva</i> Lacordaire	BR	TR	1	M. Hutchinson	2571
Coleoptera	Erotylidae	<i>Triplax</i> sp. 1	BR	TR	1	M. Hutchinson	2570
Coleoptera	Erotylidae	<i>Tritoma biguttata</i> (Say)	BR	GM	1	M. Hutchinson	2575
Coleoptera	Erotylidae	<i>Tritoma humeralis</i> F.	BR	GM	1	M. Hutchinson	2572
Coleoptera	Erotylidae	<i>Tritoma humeralis</i> F.	CT	GM	1	M. Hutchinson	4588
Coleoptera	Eucnemidae	sp. 1	BR	LT	1		3799

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Eucnemidae	sp. 1	BR	SW	1		3796
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3735
Coleoptera	Eucnemidae	sp. 1	BR	SW	1		3798
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3730
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3754
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2577
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3781
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3758
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3789
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3733
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3737
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2587
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3753
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3788
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2588
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3748
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3773
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3736
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2578
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2579
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2581
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2582
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2583
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2584
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2585
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2586
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3749
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3750
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3751
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3752
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3738
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3739
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3740
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3741
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3742
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3743
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2590
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2591
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2592
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2593
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2594
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2595
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2596
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		2597
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3790
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3791

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3792
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3793
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3794
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3795
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3774
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3776
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3777
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3778
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3779
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3780
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3734
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3731
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3732
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3782
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3783
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3784
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3785
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3786
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3787
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3755
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3756
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3757
Coleoptera	Eucnemidae	sp. 1	BR	SW	1		3797
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3759
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3760
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3761
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3763
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3764
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3765
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3766
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3767
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3768
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3770
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3771
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3772
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3744
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3745
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3746
Coleoptera	Eucnemidae	sp. 1	BR	GM	1		3747
Coleoptera	Eucnemidae	sp. 2	BR	BE	1		4403
Coleoptera	Eucnemidae	sp. 2	BR	LT	1		3800
Coleoptera	Eucnemidae	sp. 3	BR	GM	1		2580
Coleoptera	Eucnemidae	sp. 3	BR	GM	1		3762
Coleoptera	Eucnemidae	sp. 4	BR	GM	1		2589
Coleoptera	Eucnemidae	sp. 4	BR	GM	1		3775
Coleoptera	Eucnemidae	sp. 4	BR	GM	1		3769

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3804
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3805
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3806
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3807
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3808
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3809
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3810
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3811
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3812
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3813
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3814
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3815
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3816
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	BR	LT	1	M. Hutchinson	3817
Coleoptera	Helodidae	<i>Cyphon</i> sp. 1	CT	LT	1	M. Hutchinson	4589
Coleoptera	Heteroceridae	sp. 1	BR	LT	1		3803
Coleoptera	Heteroceridae	sp. 1	CT	LT	1		4590
Coleoptera	Heteroceridae	sp. 1	CT	LT	1		4591
Coleoptera	Histeridae	<i>Cylistix</i> sp. 1	BR	TR	1	M. Hutchinson	3801
Coleoptera	Histeridae	<i>Hololepta</i> sp. 1	BR	TR	1	M. Hutchinson	2916
Coleoptera	Histeridae	sp. 1	BR	TR	1		3802
Coleoptera	Histeridae	sp. 2	CT	CO	1		324
Coleoptera	Histeridae	sp. 2	CT	CO	1		325
Coleoptera	Histeridae	sp. 2	CT	CO	1		326
Coleoptera	Histeridae	sp. 2	CT	CO	1		4596
Coleoptera	Histeridae	sp. 2	CT	CO	1		4592
Coleoptera	Histeridae	sp. 2	CT	CO	1		4593
Coleoptera	Histeridae	sp. 2	CT	CO	1		4594
Coleoptera	Histeridae	sp. 2	CT	CO	1		4595
Coleoptera	Hydrophilidae	sp. 1	BR	LT	1		3818
Coleoptera	Hydrophilidae	sp. 1	CT	LT	1		4598
Coleoptera	Hydrophilidae	sp. 2	CT	LT	1		4597
Coleoptera	Hydrophilidae	sp. 3	CT	LT	1		4599
Coleoptera	Hydrophilidae	sp. 3	CT	LT	1		4600
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	SB	1	M. Hutchinson	3821
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	GM	1	M. Hutchinson	3831
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	GM	1	M. Hutchinson	3825
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	GM	1	M. Hutchinson	3823
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	GM	1	M. Hutchinson	3826
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	GM	1	M. Hutchinson	3824
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	GM	1	M. Hutchinson	3827
Coleoptera	Lampyridae	<i>Lucidota atra</i> (F.)	BR	SB	1	M. Hutchinson	3822
Coleoptera	Lampyridae	<i>Lucidota punctata</i> LeConte	BR	GM	1	M. Hutchinson	3828
Coleoptera	Lampyridae	<i>Lucidota punctata</i> LeConte	BR	GM	1	M. Hutchinson	3833
Coleoptera	Lampyridae	<i>Lucidota punctata</i> LeConte	BR	GM	1	M. Hutchinson	3832
Coleoptera	Lampyridae	<i>Lucidota punctata</i> LeConte	BR	GM	1	M. Hutchinson	3829

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Lampyridae	<i>Lucidota punctata</i> LeConte	BR	GM	1	M. Hutchinson	3830
Coleoptera	Lampyridae	<i>Photinus</i> sp.	PA	GM	1		7520
Coleoptera	Lampyridae	<i>Photinus</i> sp.	VD	TR	1		6962
Coleoptera	Lampyridae	<i>Photinus</i> sp. 1	BR	BE	1	M. Hutchinson	3834
Coleoptera	Lampyridae	<i>Photinus</i> sp. 1	BR	SW	1	M. Hutchinson	3835
Coleoptera	Lampyridae	<i>Photinus</i> sp. 1	BR	SW	1	M. Hutchinson	3836
Coleoptera	Lathridiidae	sp. 1	BR	GM	1		3839
Coleoptera	Lathridiidae	sp. 1	BR	GM	1		3840
Coleoptera	Lathridiidae	sp. 1	BR	SW	1		3838
Coleoptera	Lathridiidae	sp. 1	BR	SW	1		3837
Coleoptera	Lathridiidae	sp. 1	CT	BE	1		4627
Coleoptera	Lathridiidae	sp. 1	CT	BE	1		4626
Coleoptera	Lathridiidae	sp. 1	CT	BE	1		4618
Coleoptera	Lathridiidae	sp. 1	CT	IP	1		4628
Coleoptera	Lathridiidae	sp. 1	CT	SW	1		4621
Coleoptera	Lathridiidae	sp. 1	CT	SW	1		4622
Coleoptera	Lathridiidae	sp. 1	CT	SW	1		4623
Coleoptera	Lathridiidae	sp. 1	CT	SW	1		4620
Coleoptera	Lathridiidae	sp. 2	CT	GM	1		4624
Coleoptera	Lathridiidae	sp. 2	CT	GM	1		4625
Coleoptera	Lathridiidae	sp. 2	CT	LT	1		4619
Coleoptera	Lathridiidae	sp. 3	CT	LT	1		4561
Coleoptera	Leiodidae	sp. 1	BR	LT	1		3842
Coleoptera	Leiodidae	sp. 1	BR	IP	1		3844
Coleoptera	Leiodidae	sp. 2	BR	GM	1		3841
Coleoptera	Leiodidae	sp. 3	BR	LT	1		3843
Coleoptera	Leiodidae	sp. 4	CT	SW	1		4629
Coleoptera	Lycidae	<i>Calopteron</i> sp. 1	CT	GM	1	M. Hutchinson	4631
Coleoptera	Lycidae	<i>Lycus</i> sp. 1	CT	GM	1	M. Hutchinson	4633
Coleoptera	Lycidae	<i>Lycus</i> sp. 1	CT	LT	1	M. Hutchinson	4632
Coleoptera	Lycidae	<i>Lycus</i> sp. 1	CT	PO	1	M. Hutchinson	4630
Coleoptera	Lycidae	<i>Plateros</i> sp. 1	BR	GM	1	M. Hutchinson	3847
Coleoptera	Lycidae	<i>Plateros</i> sp. 1	BR	GM	1	M. Hutchinson	3848
Coleoptera	Lycidae	<i>Plateros</i> sp. 2	BR	GM	1	M. Hutchinson	3850
Coleoptera	Lycidae	<i>Plateros</i> sp. 3	BR	GM	1	M. Hutchinson	3849
Coleoptera	Lycidae	<i>Plateros</i> sp. 4	BR	LT	1	M. Hutchinson	3846
Coleoptera	Melandryidae	<i>Anaspis</i> sp. 1	BR	GM	1	M. Hutchinson	3852
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	IP	1	M. Hutchinson	3871
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	GM	1	M. Hutchinson	3861
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	GM	1	M. Hutchinson	3853
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	GM	1	M. Hutchinson	3854
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	GM	1	M. Hutchinson	3855
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	GM	1	M. Hutchinson	3856
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	GM	1	M. Hutchinson	3857
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	BR	LT	1	M. Hutchinson	3873
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	CT	GM	1	M. Hutchinson	4636

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Melandryidae	<i>Dircaea liturata</i> (LeConte)	CT	LT	1	M. Hutchinson	4634
Coleoptera	Melandryidae	sp. 1	BR	LT	1		3866
Coleoptera	Melandryidae	sp. 1	BR	LT	1		3867
Coleoptera	Melandryidae	sp. 1	BR	LT	1		3868
Coleoptera	Melandryidae	sp. 1	BR	LT	1		3869
Coleoptera	Melandryidae	sp. 1	BR	LT	1		3870
Coleoptera	Melandryidae	sp. 2	BR	LT	1		3863
Coleoptera	Melandryidae	sp. 2	BR	GM	1		3859
Coleoptera	Melandryidae	sp. 2	BR	LT	1		3864
Coleoptera	Melandryidae	sp. 2	BR	LT	1		3865
Coleoptera	Melandryidae	sp. 2	BR	LT	1		4405
Coleoptera	Melandryidae	sp. 3	BR	GM	1		3851
Coleoptera	Melandryidae	sp. 3	BR	GM	1		3858
Coleoptera	Melandryidae	sp. 4	BR	GM	1		3860
Coleoptera	Melandryidae	sp. 4	CT	TR	1		4635
Coleoptera	Melandryidae	sp. 5	BR	TR	1		3872
Coleoptera	Melandryidae	<i>Synstrophus repondus</i> (Horn)	BR	GM	1	M. Hutchinson	3862
Coleoptera	Melyridae	<i>Hypebaeus</i> sp. 1	BR	SW	1	M. Hutchinson	3874
Coleoptera	Melyridae	<i>Hypebaeus</i> sp. 1	BR	GM	1	M. Hutchinson	206
Coleoptera	Melyridae	sp. 1	BR	GM	1		207
Coleoptera	Melyridae	sp. 1	BR	GM	1		210
Coleoptera	Mordellidae	sp. 1	BR	GM	1		3896
Coleoptera	Mordellidae	sp. 1	BR	GM	1		3887
Coleoptera	Mordellidae	sp. 1	CT	GM	1		4637
Coleoptera	Mordellidae	sp. 1	CT	GM	1		4641
Coleoptera	Mordellidae	sp. 1	CT	SW	1		4642
Coleoptera	Mordellidae	sp. 10	CT	BE	1		4643
Coleoptera	Mordellidae	sp. 10	CT	BE	1		4644
Coleoptera	Mordellidae	sp. 11	CT	GM	1		4638
Coleoptera	Mordellidae	sp. 12	CT	GM	1		4639
Coleoptera	Mordellidae	sp. 13	BR	SB	1		3907
Coleoptera	Mordellidae	sp. 13	BR	GM	1		3900
Coleoptera	Mordellidae	sp. 13	BR	CO	1		3908
Coleoptera	Mordellidae	sp. 13	BR	GM	1		3875
Coleoptera	Mordellidae	sp. 13	BR	GM	1		3889
Coleoptera	Mordellidae	sp. 13	BR	CM	1		3909
Coleoptera	Mordellidae	sp. 13	BR	GM	1		3891
Coleoptera	Mordellidae	sp. 13	BR	GM	1		3878
Coleoptera	Mordellidae	sp. 2	BR	GM	1		3903
Coleoptera	Mordellidae	sp. 2	CT	GM	1		4640
Coleoptera	Mordellidae	sp. 3	BR	GM	1		3892
Coleoptera	Mordellidae	sp. 3	BR	GM	1		3901
Coleoptera	Mordellidae	sp. 3	BR	GM	1		3904
Coleoptera	Mordellidae	sp. 3	BR	GM	1		3898
Coleoptera	Mordellidae	sp. 4	BR	GM	1		3879
Coleoptera	Mordellidae	sp. 4	BR	GM	1		3885

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Mordellidae	sp. 4	BR	GM	1		3890
Coleoptera	Mordellidae	sp. 4	BR	GM	1		3883
Coleoptera	Mordellidae	sp. 4	BR	GM	1		3880
Coleoptera	Mordellidae	sp. 5	BR	GM	1		3902
Coleoptera	Mordellidae	sp. 5	BR	GM	1		3884
Coleoptera	Mordellidae	sp. 5	BR	GM	1		3882
Coleoptera	Mordellidae	sp. 5	BR	GM	1		3897
Coleoptera	Mordellidae	sp. 5	BR	GM	1		3899
Coleoptera	Mordellidae	sp. 6	BR	GM	1		3905
Coleoptera	Mordellidae	sp. 6	BR	GM	1		3877
Coleoptera	Mordellidae	sp. 6	BR	GM	1		3893
Coleoptera	Mordellidae	sp. 6	BR	GM	1		3894
Coleoptera	Mordellidae	sp. 7	BR	TR	1		3906
Coleoptera	Mordellidae	sp. 7	BR	GM	1		3895
Coleoptera	Mordellidae	sp. 7	BR	GM	1		3876
Coleoptera	Mordellidae	sp. 7	BR	GM	1		3888
Coleoptera	Mordellidae	sp. 8	BR	GM	1		3886
Coleoptera	Mordellidae	sp. 9	BR	GM	1		3881
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 1	BR	GM	1	M. Hutchinson	3916
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 1	BR	GM	1	M. Hutchinson	3910
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 1	BR	LT	1	M. Hutchinson	3914
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 1	BR	LT	1	M. Hutchinson	3915
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 2	BR	LT	1	M. Hutchinson	3912
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 2	BR	LT	1	M. Hutchinson	3913
Coleoptera	Mycetophagidae	<i>Mycetophagus</i> sp. 3	BR	LT	1	M. Hutchinson	3911
Coleoptera	Nitidulidae	sp. 1	BR	LT	1		3918
Coleoptera	Nitidulidae	sp. 1	BR	LT	1		3919
Coleoptera	Nitidulidae	sp. 1	BR	LT	1		3920
Coleoptera	Nitidulidae	sp. 1	BR	LT	1		3921
Coleoptera	Nitidulidae	sp. 1	BR	LT	1		3922
Coleoptera	Nitidulidae	sp. 1	BR	LT	1		3923
Coleoptera	Nitidulidae	sp. 2	BR	CO	1		3930
Coleoptera	Nitidulidae	sp. 2	BR	LT	1		3925
Coleoptera	Nitidulidae	sp. 3	BR	TR	1		3932
Coleoptera	Nitidulidae	sp. 4	BR	LT	1		3926
Coleoptera	Nitidulidae	sp. 5	BR	LF	1		3929
Coleoptera	Nitidulidae	sp. 5	BR	LF	1		3928
Coleoptera	Nitidulidae	sp. 6	BR	IP	1		3917
Coleoptera	Nitidulidae	sp. 7	BR	LT	1		3924
Coleoptera	Nitidulidae	sp. 8	BR	TR	1		3931
Coleoptera	Passalidae	<i>Odontotaenius disjunctus</i> (Illig.)	CT	PO	1	M. Hutchinson	4647
Coleoptera	Passalidae	<i>Odontotaenius disjunctus</i> (Illig.)	CT	SB	1	M. Hutchinson	4650
Coleoptera	Passalidae	<i>Odontotaenius disjunctus</i> (Illig.)	CT	SB	1	M. Hutchinson	4648
Coleoptera	Passalidae	<i>Odontotaenius disjunctus</i> (Illig.)	CT	SB	1	M. Hutchinson	4651
Coleoptera	Passalidae	<i>Odontotaenius disjunctus</i> (Illig.)	CT	SB	2	M. Hutchinson	4646
Coleoptera	Passalidae	<i>Odontotaenius disjunctus</i> (Illig.)	CT	SB	7	M. Hutchinson	4649

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Phalacridae	sp. 1	BR	GM	1		3933
Coleoptera	Phalacridae	sp. 1	BR	GM	1		3934
Coleoptera	Phalacridae	sp. 1	BR	LT	1		3927
Coleoptera	Phalacridae	sp. 2	CT	LT	1		4652
Coleoptera	Phalacridae	sp. 2	CT	LT	1		4653
Coleoptera	Phalacridae	sp. 3	CT	SW	1		4654
Coleoptera	Pselaphidae	sp. 1	BR	CO	1		3939
Coleoptera	Pselaphidae	sp. 1	BR	LT	1		3938
Coleoptera	Pselaphidae	sp. 2	BR	LT	1		3937
Coleoptera	Pselaphidae	sp. 3	BR	LT	1		3936
Coleoptera	Psephenidae	<i>Psephenus herricki</i>	MC	KN	4		7680
Coleoptera	Ptilodactylidae	<i>Ptilodactyla</i> sp. 1	BR	LT	1	M. Hutchinson	3941
Coleoptera	Ptilodactylidae	<i>Ptilodactyla</i> sp. 1	BR	LT	1	M. Hutchinson	2856
Coleoptera	Ptilodactylidae	<i>Ptilodactyla</i> sp. 1	BR	LT	1	M. Hutchinson	3942
Coleoptera	Ptilodactylidae	<i>Ptilodactyla</i> sp. 1	BR	LT	1	M. Hutchinson	3943
Coleoptera	Ptilodactylidae	<i>Ptilodactyla</i> sp. 1	BR	LT	1	M. Hutchinson	3944
Coleoptera	Scarabaeidae	<i>Phyllophaga</i> sp. 1	BR	LT	1	M. Hutchinson	852
Coleoptera	Scarabaeidae	<i>Phyllophaga</i> sp. 2	BR	LT	1	M. Hutchinson	853
Coleoptera	Scarabaeidae	<i>Popillia japonica</i>	BR	PO	1	M. Hutchinson	2820
Coleoptera	Scarabaeidae	<i>Popillia japonica</i> Newman	CT	SB	1	M. Hutchinson	4658
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	IP	1	M. Hutchinson	2817
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	IP	1	M. Hutchinson	2816
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LF	1	M. Hutchinson	2814
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	SB	1	M. Hutchinson	2815
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	GM	1	M. Hutchinson	3955
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	CM	1	M. Hutchinson	3954
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	GM	1	M. Hutchinson	3958
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	GM	1	M. Hutchinson	3957
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	GM	1	M. Hutchinson	3959
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	844
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	GM	1	M. Hutchinson	3956
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	2824
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	2825
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	2826
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	2827
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	845
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	846
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	847
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	848
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	849
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	850
Coleoptera	Scarabaeidae	<i>Serica</i> sp. 1	BR	LT	1	M. Hutchinson	851
Coleoptera	Scarabaeidae	sp. 1	BR	LT	1		2822
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2823
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2829
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2834

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2835
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2836
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2837
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2838
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2839
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2840
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2841
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2842
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2843
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2844
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2845
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2846
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2848
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2849
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2850
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2852
Coleoptera	Scarabaeidae	sp. 2	BR	LT	1		2853
Coleoptera	Scarabaeidae	sp. 2	CT	LT	1		4657
Coleoptera	Scarabaeidae	sp. 3	CT	LT	1		4656
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2828
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2830
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2831
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2832
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2833
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2847
Coleoptera	Scarabaeidae	sp. 4	BR	LT	1		2851
Coleoptera	Scarabaeidae	sp. 5	BR	UC	1		2821
Coleoptera	Scarabaeidae	sp. 6	BR	SB	1		3960
Coleoptera	Scarabaeidae	<i>Trox</i> sp. 1	BR	LT	1	M. Hutchinson	2818
Coleoptera	Scarabaeidae	<i>Trox</i> sp. 1	BR	LT	1	M. Hutchinson	2819
Coleoptera	Scarabaeidae	<i>Trox</i> sp. 2	CT	LT	1	M. Hutchinson	4655
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2924
Coleoptera	Scolytidae	sp. 1	BR	TR	1		2879
Coleoptera	Scolytidae	sp. 1	BR	TR	1		2885
Coleoptera	Scolytidae	sp. 1	BR	GM	1		2893
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2857
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2865
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2858
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2859
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2860
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2861
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2862
Coleoptera	Scolytidae	sp. 1	BR	CM	1		2863
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2925
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2926
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2928

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2929
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2930
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2931
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2932
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2933
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2934
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2935
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2936
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2937
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2938
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2939
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2940
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2941
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2943
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2944
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2945
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2948
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2949
Coleoptera	Scolytidae	sp. 1	BR	LT	1		2950
Coleoptera	Scolytidae	sp. 1	BR	TR	1		2881
Coleoptera	Scolytidae	sp. 1	BR	TR	1		2883
Coleoptera	Scolytidae	sp. 1	BR	TR	1		2875
Coleoptera	Scolytidae	sp. 1	CT	TR	1		4661
Coleoptera	Scolytidae	sp. 1	CT	TR	1		4660
Coleoptera	Scolytidae	sp. 2	BR	LT	1		2946
Coleoptera	Scolytidae	sp. 2	BR	LT	1		2947
Coleoptera	Scolytidae	sp. 2	BR	LT	1		2951
Coleoptera	Scolytidae	sp. 2	BR	TR	1		2873
Coleoptera	Scolytidae	sp. 2	BR	TR	1		2874
Coleoptera	Scolytidae	sp. 2	CT	TR	1		4659
Coleoptera	Scolytidae	sp. 3	BR	TR	1		2880
Coleoptera	Scolytidae	sp. 4	BR	TR	1		2889
Coleoptera	Scolytidae	sp. 4	BR	TR	1		2887
Coleoptera	Scolytidae	sp. 4	BR	GM	1		2891
Coleoptera	Scolytidae	sp. 4	BR	TR	1		2878
Coleoptera	Scolytidae	sp. 4	BR	TR	1		2868
Coleoptera	Scolytidae	sp. 4	BR	TR	1		2882
Coleoptera	Scolytidae	sp. 5	BR	TR	1		2869
Coleoptera	Scolytidae	sp. 5	BR	TR	1		2867
Coleoptera	Scolytidae	sp. 5	BR	CM	1		2864
Coleoptera	Scolytidae	sp. 5	BR	TR	1		2871
Coleoptera	Scolytidae	sp. 5	BR	TR	1		2890
Coleoptera	Scolytidae	sp. 6	BR	TR	1		2872
Coleoptera	Scolytidae	sp. 6	BR	TR	1		2884
Coleoptera	Scolytidae	sp. 6	BR	TR	1		2877
Coleoptera	Scolytidae	sp. 6	BR	CM	1		2866

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Scolytidae	sp. 6	BR	LT	1		2927
Coleoptera	Scolytidae	sp. 6	BR	TR	1		2888
Coleoptera	Scolytidae	sp. 6	BR	TR	1		2886
Coleoptera	Scolytidae	sp. 6	BR	TR	1		2876
Coleoptera	Scolytidae	sp. 7	BR	GM	1		2892
Coleoptera	Scolytidae	sp. 8	BR	TR	1		2870
Coleoptera	Scolytidae	sp. 8	BR	LT	1		2942
Coleoptera	Scydmaenidae	sp. 1	BR	LT	1		3953
Coleoptera	Scydmaenidae	sp. 1	BR	LF	1		3952
Coleoptera	Scydmaenidae	sp. 1	BR	LF	1		3951
Coleoptera	Scydmaenidae	sp. 1	BR	SW	1		3948
Coleoptera	Scydmaenidae	sp. 2	BR	IP	1		3949
Coleoptera	Scydmaenidae	sp. 2	BR	IP	1		3950
Coleoptera	Staphylinidae	sp. 1	BR	IP	1		2988
Coleoptera	Staphylinidae	sp. 1	BR	IP	1		2979
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3030
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3016
Coleoptera	Staphylinidae	sp. 1	BR	CO	1		3011
Coleoptera	Staphylinidae	sp. 1	BR	GM	1		3027
Coleoptera	Staphylinidae	sp. 1	BR	IP	1		2985
Coleoptera	Staphylinidae	sp. 1	BR	IP	1		2991
Coleoptera	Staphylinidae	sp. 1	BR	IP	1		2994
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3017
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3018
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3019
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3020
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3031
Coleoptera	Staphylinidae	sp. 1	BR	LF	1		3032
Coleoptera	Staphylinidae	sp. 10	CT	GM	1		4665
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4688
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4677
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4679
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4672
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		1853
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4678
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4680
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4673
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4674
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4675
Coleoptera	Staphylinidae	sp. 10	CT	IP	1		4676
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4690
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4691
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4692
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4695
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4699
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4700

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4701
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4702
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4703
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4705
Coleoptera	Staphylinidae	sp. 10	CT	LT	1		4707
Coleoptera	Staphylinidae	sp. 10	CT	SB	1		4682
Coleoptera	Staphylinidae	sp. 11	BR	LF	1		3014
Coleoptera	Staphylinidae	sp. 11	BR	SB	1		3001
Coleoptera	Staphylinidae	sp. 11	BR	SB	1		3021
Coleoptera	Staphylinidae	sp. 11	BR	GM	1		3003
Coleoptera	Staphylinidae	sp. 11	BR	LF	1		3029
Coleoptera	Staphylinidae	sp. 11	BR	LT	1		3044
Coleoptera	Staphylinidae	sp. 12	BR	GM	1		3008
Coleoptera	Staphylinidae	sp. 13	BR	IP	1		2982
Coleoptera	Staphylinidae	sp. 14	BR	GM	1		3035
Coleoptera	Staphylinidae	sp. 14	BR	GM	1		3005
Coleoptera	Staphylinidae	sp. 14	BR	GM	1		3006
Coleoptera	Staphylinidae	sp. 15	BR	IP	1		3012
Coleoptera	Staphylinidae	sp. 15	BR	IP	1		2984
Coleoptera	Staphylinidae	sp. 15	BR	GM	1		3009
Coleoptera	Staphylinidae	sp. 16	BR	LT	1		3042
Coleoptera	Staphylinidae	sp. 17	BR	GM	1		3007
Coleoptera	Staphylinidae	sp. 18	BR	BE	1		3028
Coleoptera	Staphylinidae	sp. 18	BR	UC	1		3022
Coleoptera	Staphylinidae	sp. 19	BR	LT	1		3038
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2983
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2986
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2992
Coleoptera	Staphylinidae	sp. 2	BR	GM	1		3026
Coleoptera	Staphylinidae	sp. 2	BR	LT	1		3033
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2996
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2987
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2980
Coleoptera	Staphylinidae	sp. 2	BR	IP	1		2990
Coleoptera	Staphylinidae	sp. 2	BR	LT	1		3039
Coleoptera	Staphylinidae	sp. 2	BR	LT	1		3043
Coleoptera	Staphylinidae	sp. 2	BR	LT	1		3058
Coleoptera	Staphylinidae	sp. 20	BR	TR	1		3025
Coleoptera	Staphylinidae	sp. 21	BR	LT	1		3061
Coleoptera	Staphylinidae	sp. 22	BR	LT	1		3045
Coleoptera	Staphylinidae	sp. 23	BR	LT	1		3060
Coleoptera	Staphylinidae	sp. 23	BR	LT	1		3075
Coleoptera	Staphylinidae	sp. 24	BR	LF	1		3024
Coleoptera	Staphylinidae	sp. 25	BR	SB	1		3013
Coleoptera	Staphylinidae	sp. 25	BR	GM	1		3002
Coleoptera	Staphylinidae	sp. 26	BR	SB	1		3000

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Staphylinidae	sp. 27	BR	LT	1		3036
Coleoptera	Staphylinidae	sp. 28	BR	CO	1		3023
Coleoptera	Staphylinidae	sp. 28	BR	LT	1		3050
Coleoptera	Staphylinidae	sp. 29	BR	IP	1		2981
Coleoptera	Staphylinidae	sp. 3	BR	IP	1		2995
Coleoptera	Staphylinidae	sp. 3	BR	IP	1		2989
Coleoptera	Staphylinidae	sp. 3	BR	IP	1		2993
Coleoptera	Staphylinidae	sp. 30	CT	LT	1		4693
Coleoptera	Staphylinidae	sp. 31	CT	LT	1		4706
Coleoptera	Staphylinidae	sp. 32	CT	IP	1		4671
Coleoptera	Staphylinidae	sp. 33	CT	LT	1		4697
Coleoptera	Staphylinidae	sp. 34	CT	LT	1		4694
Coleoptera	Staphylinidae	sp. 35	CT	LT	1		4698
Coleoptera	Staphylinidae	sp. 36	CT	GM	1		4670
Coleoptera	Staphylinidae	sp. 37	CT	SW	1		4662
Coleoptera	Staphylinidae	sp. 38	CT	IP	1		4681
Coleoptera	Staphylinidae	sp. 4	BR	LF	1		3015
Coleoptera	Staphylinidae	sp. 4	CT	LT	1		4696
Coleoptera	Staphylinidae	sp. 4	CT	LT	1		4704
Coleoptera	Staphylinidae	sp. 5	BR	GM	1		3004
Coleoptera	Staphylinidae	sp. 5	CT	CO	1		4686
Coleoptera	Staphylinidae	sp. 5	CT	SB	1		4687
Coleoptera	Staphylinidae	sp. 6	BR	IP	1		2978
Coleoptera	Staphylinidae	sp. 6	BR	GM	1		3034
Coleoptera	Staphylinidae	sp. 6	BR	LT	1		3040
Coleoptera	Staphylinidae	sp. 6	BR	LT	1		3048
Coleoptera	Staphylinidae	sp. 6	CT	GM	1		4666
Coleoptera	Staphylinidae	sp. 6	CT	GM	1		4663
Coleoptera	Staphylinidae	sp. 6	CT	GM	1		4667
Coleoptera	Staphylinidae	sp. 6	CT	GM	1		4668
Coleoptera	Staphylinidae	sp. 6	CT	GM	1		4669
Coleoptera	Staphylinidae	sp. 6	CT	GM	1		4664
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3037
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3046
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3047
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3049
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3055
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3056
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3059
Coleoptera	Staphylinidae	sp. 7	BR	LT	1		3067
Coleoptera	Staphylinidae	sp. 8	BR	IP	1		2997
Coleoptera	Staphylinidae	sp. 8	BR	IP	1		2998
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3057
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3062
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3063
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3064

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3070
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3071
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3072
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		3073
Coleoptera	Staphylinidae	sp. 8	BR	LT	1		2854
Coleoptera	Staphylinidae	sp. 8	BR	IP	1		2999
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3041
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3051
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3052
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3053
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3054
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3065
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3066
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3068
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3069
Coleoptera	Staphylinidae	sp. 9	BR	LT	1		3074
Coleoptera	Staphylinidae	<i>Stenus</i> sp. 1	CT	SW	1	M. Hutchinson	4685
Coleoptera	Staphylinidae	<i>Stenus</i> sp. 1	CT	SW	1	M. Hutchinson	4683
Coleoptera	Staphylinidae	<i>Stenus</i> sp. 1	CT	SW	1	M. Hutchinson	4684
Coleoptera	Tenebrionidae	sp. 1	CT	IP	1		4710
Coleoptera	Tenebrionidae	sp. 1	CT	SB	1		4709
Coleoptera	Tenebrionidae	sp. 2	CT	LT	1		4708
Coleoptera	Tenebrionidae	sp. 3	CT	SB	1		4711
Coleoptera	Throscidae	sp. 1	BR	LT	1		2957
Coleoptera	Throscidae	sp. 1	BR	TR	1		2952
Coleoptera	Throscidae	sp. 1	BR	TR	1		1453
Coleoptera	Throscidae	sp. 1	BR	GM	1		2953
Coleoptera	Throscidae	sp. 1	BR	TR	1		2956
Coleoptera	Throscidae	sp. 1	BR	GM	1		1446
Coleoptera	Throscidae	sp. 1	BR	GM	1		2961
Coleoptera	Throscidae	sp. 1	BR	GM	1		2962
Coleoptera	Throscidae	sp. 1	BR	GM	1		2963
Coleoptera	Throscidae	sp. 1	BR	GM	1		2964
Coleoptera	Throscidae	sp. 1	BR	GM	1		2954
Coleoptera	Throscidae	sp. 1	BR	GM	1		2955
Coleoptera	Throscidae	sp. 1	BR	LT	1		2958
Coleoptera	Throscidae	sp. 1	BR	LT	1		2959
Coleoptera	Throscidae	sp. 1	BR	LT	1		2960
Coleoptera	Throscidae	sp. 1	CT	LT	1		4712
Coleoptera	Throscidae	sp. 1	CT	LT	1		4713
Coleoptera	Throscidae	sp. 1	CT	LT	1		4714
Coleoptera	Throscidae	sp. 1	CT	LT	1		4715
Coleoptera	Trogositidae	sp. 1	BR	TR	1		2966
Coleoptera	Trogositidae	sp. 1	BR	GM	1		2965
Coleoptera	Trogositidae	sp. 1	BR	TR	1		2967
Collembola	Entomobryidae	<i>Lepidocyrtus</i> sp.	VD	CO	1		8524

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Collembola	Entomobryidae	sp. 1	BR	GM	1		246
Collembola	Entomobryidae	sp. 1	BR	TR	1		247
Collembola	Entomobryidae	sp. 1	BR	TR	1		250
Collembola	Entomobryidae	sp. 1	BR	TR	1		251
Collembola	Entomobryidae	sp. 1	BR	TR	1		252
Collembola	Entomobryidae	sp. 1	BR	LF	1		272
Collembola	Entomobryidae	sp. 1	BR	SW	1		276
Collembola	Entomobryidae	sp. 1	BR	SW	1		277
Collembola	Entomobryidae	sp. 1	BR	SW	16		278
Collembola	Entomobryidae	sp. 1	BR	SW	61		279
Collembola	Entomobryidae	sp. 1	BR	SW	51		281
Collembola	Entomobryidae	sp. 1	BR	SW	2		282
Collembola	Entomobryidae	sp. 1	BR	SW	3		283
Collembola	Entomobryidae	sp. 1	BR	SW	7		284
Collembola	Entomobryidae	sp. 1	BR	SW	25		286
Collembola	Entomobryidae	sp. 1	BR	SW	3		288
Collembola	Entomobryidae	sp. 1	BR	SW	11		289
Collembola	Entomobryidae	sp. 1	BR	SW	19		290
Collembola	Entomobryidae	sp. 1	BR	SW	2		291
Collembola	Entomobryidae	sp. 1	BR	SW	19		292
Collembola	Entomobryidae	sp. 1	BR	IP	2		396
Collembola	Entomobryidae	sp. 1	BR	IP	5		398
Collembola	Entomobryidae	sp. 1	BR	IP	1		400
Collembola	Entomobryidae	sp. 1	BR	IP	1		401
Collembola	Entomobryidae	sp. 1	BR	IP	2		402
Collembola	Entomobryidae	sp. 1	BR	IP	1		405
Collembola	Entomobryidae	sp. 1	BR	IP	1		411
Collembola	Entomobryidae	sp. 1	BR	IP	4		414
Collembola	Entomobryidae	sp. 1	BR	IP	1		419
Collembola	Entomobryidae	sp. 1	BR	IP	2		423
Collembola	Entomobryidae	sp. 1	BR	IP	2		424
Collembola	Entomobryidae	sp. 1	BR	IP	3		427
Collembola	Entomobryidae	sp. 1	BR	IP	2		428
Collembola	Entomobryidae	sp. 1	BR	IP	1		429
Collembola	Entomobryidae	sp. 1	BR	IP	3		431
Collembola	Entomobryidae	sp. 1	BR	IP	2		436
Collembola	Entomobryidae	sp. 1	BR	IP	1		440
Collembola	Entomobryidae	sp. 1	BR	SW	1		1143
Collembola	Entomobryidae	sp. 1	BR	LF	1		6772
Collembola	Entomobryidae	sp. 1	BR	IP	1		6839
Collembola	Entomobryidae	sp. 1	BR	IP	1		6846
Collembola	Entomobryidae	sp. 1	CT	CO	2		231
Collembola	Entomobryidae	sp. 1	CT	CO	2		6926
Collembola	Entomobryidae	sp. 1	CT	IP	1		180
Collembola	Entomobryidae	sp. 1	CT	IP	1		181
Collembola	Entomobryidae	sp. 1	CT	IP	1		183

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Collembola	Entomobryidae	sp. 1	CT	IP	1		184
Collembola	Entomobryidae	sp. 1	CT	IP	4		6915
Collembola	Entomobryidae	sp. 1	CT	SW	2		166
Collembola	Entomobryidae	sp. 1	CT	SW	1		167
Collembola	Entomobryidae	sp. 1	CT	SW	8		168
Collembola	Entomobryidae	sp. 1	CT	SW	1		170
Collembola	Entomobryidae	sp. 1	CT	SW	1		228
Collembola	Entomobryidae	sp. 1	CT	SW	1		6924
Collembola	Entomobryidae	sp. 1	CT	SW	2		6913
Collembola	Entomobryidae	sp. 1	CT	SW	1		6912
Collembola	Entomobryidae	sp. 1	CT	SW	3		6909
Collembola	Entomobryidae	sp. 10	CT	CO	17		222
Collembola	Entomobryidae	sp. 10	CT	CO	1		233
Collembola	Entomobryidae	sp. 10	CT	CO	4		235
Collembola	Entomobryidae	sp. 10	CT	GM	1		172
Collembola	Entomobryidae	sp. 10	CT	IP	1		182
Collembola	Entomobryidae	sp. 10	CT	LF	1		176
Collembola	Entomobryidae	sp. 10	CT	LF	7		178
Collembola	Entomobryidae	sp. 10	CT	SW	2		162
Collembola	Entomobryidae	sp. 10	CT	SW	6		163
Collembola	Entomobryidae	sp. 10	CT	SW	4		164
Collembola	Entomobryidae	sp. 10	CT	SW	4		165
Collembola	Entomobryidae	sp. 10	CT	SW	4		169
Collembola	Entomobryidae	sp. 10	CT	SW	2		171
Collembola	Entomobryidae	sp. 10	CT	SW	1		6911
Collembola	Entomobryidae	sp. 10	CT	SW	6		6910
Collembola	Entomobryidae	sp. 10	CT	TR	1		174
Collembola	Entomobryidae	sp. 2	BR	SB	1		240
Collembola	Entomobryidae	sp. 2	BR	LF	1		269
Collembola	Entomobryidae	sp. 2	BR	IP	1		6786
Collembola	Entomobryidae	sp. 2	BR	IP	1		6796
Collembola	Entomobryidae	sp. 2	CT	IP	1		179
Collembola	Entomobryidae	sp. 2	CT	LF	1		177
Collembola	Entomobryidae	sp. 3	BR	SB	1		241
Collembola	Entomobryidae	sp. 3	BR	SB	1		242
Collembola	Entomobryidae	sp. 3	BR	TR	1		256
Collembola	Entomobryidae	sp. 3	BR	TR	1		258
Collembola	Entomobryidae	sp. 3	BR	TR	2		261
Collembola	Entomobryidae	sp. 3	BR	LF	5		262
Collembola	Entomobryidae	sp. 3	BR	LF	2		263
Collembola	Entomobryidae	sp. 3	BR	LF	2		268
Collembola	Entomobryidae	sp. 3	BR	IP	1		403
Collembola	Entomobryidae	sp. 3	BR	SB	1		6805
Collembola	Entomobryidae	sp. 3	BR	IP	1		6778
Collembola	Entomobryidae	sp. 3	BR	IP	1		6787
Collembola	Entomobryidae	sp. 3	BR	IP	1		6819

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Collembola	Entomobryidae	sp. 3	BR	IP	1		6794
Collembola	Entomobryidae	sp. 3	CT	IP	2		6917
Collembola	Entomobryidae	sp. 3	CT	IP	1		6918
Collembola	Entomobryidae	sp. 3	CT	LF	1		6908
Collembola	Entomobryidae	sp. 3	CT	LF	1		6914
Collembola	Entomobryidae	sp. 3	CT	SB	1		173
Collembola	Entomobryidae	sp. 4	BR	BE	1		238
Collembola	Entomobryidae	sp. 4	BR	GM	1		243
Collembola	Entomobryidae	sp. 4	BR	GM	1		244
Collembola	Entomobryidae	sp. 4	BR	GM	1		245
Collembola	Entomobryidae	sp. 4	BR	TR	2		248
Collembola	Entomobryidae	sp. 4	BR	TR	1		253
Collembola	Entomobryidae	sp. 4	BR	TR	1		254
Collembola	Entomobryidae	sp. 4	BR	TR	1		255
Collembola	Entomobryidae	sp. 4	BR	TR	1		259
Collembola	Entomobryidae	sp. 4	BR	TR	1		260
Collembola	Entomobryidae	sp. 4	BR	LF	4		264
Collembola	Entomobryidae	sp. 4	BR	CO	1		319
Collembola	Entomobryidae	sp. 4	BR	CO	1		387
Collembola	Entomobryidae	sp. 4	BR	IP	1		434
Collembola	Entomobryidae	sp. 4	BR	SW	1		6808
Collembola	Entomobryidae	sp. 4	BR	SW	1		6810
Collembola	Entomobryidae	sp. 4	BR	IP	1		6798
Collembola	Entomobryidae	sp. 4	CT	CO	1		186
Collembola	Entomobryidae	sp. 5	BR	CO	1		385
Collembola	Entomobryidae	sp. 5	BR	IP	1		426
Collembola	Entomobryidae	sp. 5	BR	TR	1		6806
Collembola	Entomobryidae	sp. 5	BR	TR	1		6780
Collembola	Entomobryidae	sp. 5	BR	CO	2		6841
Collembola	Entomobryidae	sp. 5	BR	IP	1		6840
Collembola	Entomobryidae	sp. 5	BR	IP	3		6795
Collembola	Entomobryidae	sp. 5	BR	IP	1		6829
Collembola	Entomobryidae	sp. 5	CT	TR	2		175
Collembola	Entomobryidae	sp. 6	BR	CO	1		295
Collembola	Entomobryidae	sp. 6	BR	CO	1		304
Collembola	Entomobryidae	sp. 6	BR	CO	1		311
Collembola	Entomobryidae	sp. 6	BR	CO	2		321
Collembola	Entomobryidae	sp. 6	BR	IP	6		394
Collembola	Entomobryidae	sp. 6	BR	IP	1		408
Collembola	Entomobryidae	sp. 6	BR	IP	2		416
Collembola	Entomobryidae	sp. 6	BR	IP	3		420
Collembola	Entomobryidae	sp. 6	BR	IP	2		422
Collembola	Entomobryidae	sp. 6	BR	IP	2		432
Collembola	Entomobryidae	sp. 6	BR	IP	1		433
Collembola	Entomobryidae	sp. 6	BR	IP	1		435
Collembola	Entomobryidae	sp. 6	BR	IP	1		437

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Collembola	Entomobryidae	sp. 6	BR	IP	1		897
Collembola	Entomobryidae	sp. 6	BR	SW	1		6807
Collembola	Entomobryidae	sp. 6	BR	SW	1		6809
Collembola	Entomobryidae	sp. 6	BR	SW	2		6814
Collembola	Entomobryidae	sp. 6	BR	CO	1		6906
Collembola	Entomobryidae	sp. 6	BR	IP	2		6776
Collembola	Entomobryidae	sp. 6	BR	IP	2		6788
Collembola	Entomobryidae	sp. 6	BR	IP	4		6828
Collembola	Entomobryidae	sp. 6	BR	IP	1		6823
Collembola	Entomobryidae	sp. 6	BR	IP	1		6820
Collembola	Entomobryidae	sp. 6	CT	CO	2		6925
Collembola	Entomobryidae	sp. 6	CT	IP	1		6916
Collembola	Entomobryidae	sp. 7	BR	LT	1		239
Collembola	Entomobryidae	sp. 7	BR	SW	1		6815
Collembola	Entomobryidae	sp. 7	BR	IP	1		6797
Collembola	Entomobryidae	sp. 8	BR	CO	2		365
Collembola	Entomobryidae	sp. 8	BR	CO	1		6799
Collembola	Entomobryidae	sp. 8	BR	IP	1		6830
Collembola	Entomobryidae	sp. 9	BR	CO	1		317
Collembola	Entomobryidae	sp. 9	BR	SW	1		6816
Collembola	Entomobryidae	sp. 9	BR	SW	1		6817
Collembola	Entomobryidae	sp. 9	BR	CO	1		6842
Collembola	Entomobryidae	sp. 9	BR	CO	1		6844
Collembola	Hypogastruridae	sp. 1	BR	LF	2		274
Collembola	Hypogastruridae	sp. 1	BR	CO	2		390
Collembola	Hypogastruridae	sp. 2	BR	CO	1		297
Collembola	Hypogastruridae	sp. 2	BR	CO	1		303
Collembola	Hypogastruridae	sp. 2	BR	CO	1		305
Collembola	Hypogastruridae	sp. 2	BR	CO	2		307
Collembola	Hypogastruridae	sp. 2	BR	CO	28		312
Collembola	Hypogastruridae	sp. 2	BR	CO	1		316
Collembola	Hypogastruridae	sp. 2	BR	CO	1		363
Collembola	Hypogastruridae	sp. 2	BR	CO	2		371
Collembola	Hypogastruridae	sp. 2	BR	CO	1		376
Collembola	Hypogastruridae	sp. 2	BR	CO	2		382
Collembola	Hypogastruridae	sp. 2	BR	IP	20		409
Collembola	Hypogastruridae	sp. 2	BR	IP	1		413
Collembola	Hypogastruridae	sp. 2	BR	IP	85		7124
Collembola	Hypogastruridae	sp. 2	CT	CO	3		220
Collembola	Hypogastruridae	sp. 3	BR	IP	1		404
Collembola	Hypogastruridae	sp. 3	BR	IP	34		406
Collembola	Hypogastruridae	sp. 3	BR	IP	4		410
Collembola	Hypogastruridae	sp. 3	BR	IP	1		418
Collembola	Hypogastruridae	sp. 3	BR	CO	4		7126
Collembola	Hypogastruridae	sp. 3	BR	IP	6		7125
Collembola	Isotomidae	sp. 1	BR	LF	1		265

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Collembola	Isotomidae	sp. 1	BR	LF	1		267
Collembola	Isotomidae	sp. 1	BR	LF	2		270
Collembola	Isotomidae	sp. 1	BR	LF	1		271
Collembola	Isotomidae	sp. 1	BR	CO	2		309
Collembola	Isotomidae	sp. 1	BR	CO	3		364
Collembola	Isotomidae	sp. 1	BR	CO	3		370
Collembola	Isotomidae	sp. 1	BR	CO	2		391
Collembola	Isotomidae	sp. 1	BR	IP	2		395
Collembola	Isotomidae	sp. 1	BR	IP	1		399
Collembola	Isotomidae	sp. 1	BR	IP	3		412
Collembola	Isotomidae	sp. 1	BR	IP	3		415
Collembola	Isotomidae	sp. 1	BR	IP	2		417
Collembola	Isotomidae	sp. 1	BR	IP	2		421
Collembola	Isotomidae	sp. 1	BR	IP	1		439
Collembola	Isotomidae	sp. 1	BR	CO	1		7117
Collembola	Isotomidae	sp. 1	BR	CO	1		7121
Collembola	Isotomidae	sp. 1	BR	CO	1		6928
Collembola	Isotomidae	sp. 1	BR	CO	1		6929
Collembola	Isotomidae	sp. 2	BR	IP	1		397
Collembola	Isotomidae	sp. 3	BR	IP	1		7120
Collembola	Onychiuridae	sp. 1	BR	LF	1		273
Collembola	Onychiuridae	sp. 1	BR	CO	4		296
Collembola	Onychiuridae	sp. 1	BR	CO	1		302
Collembola	Onychiuridae	sp. 1	BR	CO	1		310
Collembola	Onychiuridae	sp. 1	BR	CO	4		315
Collembola	Onychiuridae	sp. 1	BR	CO	4		320
Collembola	Onychiuridae	sp. 1	BR	CO	61		362
Collembola	Onychiuridae	sp. 1	BR	CO	12		369
Collembola	Onychiuridae	sp. 1	BR	CO	43		373
Collembola	Onychiuridae	sp. 1	BR	CO	16		381
Collembola	Onychiuridae	sp. 1	BR	CO	18		384
Collembola	Onychiuridae	sp. 1	BR	CO	21		389
Collembola	Onychiuridae	sp. 1	CT	CO	1		218
Collembola	Onychiuridae	sp. 1	CT	CO	1		230
Collembola	Onychiuridae	sp. 2	CT	CO	1		225
Collembola	Sminthuridae	sp. 1	BR	IP	1		407
Collembola	Sminthuridae	sp. 1	CT	CO	9		223
Collembola	Sminthuridae	sp. 2	BR	SW	1		285
Collembola	Sminthuridae	sp. 2	BR	SW	4		287
Collembola	Sminthuridae	sp. 2	BR	IP	1		430
Collembola	Sminthuridae	sp. 2	BR	SW	1		7127
Collembola	Sminthuridae	sp. 3	BR	IP	1		438
Collembola	Sminthuridae	sp. 3	CT	IP	1		185
Collembola	Sminthuridae	sp. 4	BR	TR	1		249
Diplura	Campodeidae	sp. 1	BR	SB	1		6141
Diplura	Campodeidae	sp. 1	BR	CO	1		6143

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diplura	Campodeidae	sp. 1	BR	CO	1		6140
Diplura	Campodeidae	sp. 1	BR	CO	1		6142
Diplura	Campodeidae	sp. 1	BR	CO	1		294
Diplura	Campodeidae	sp. 1	BR	CO	1		299
Diplura	Campodeidae	sp. 1	BR	CO	1		323
Diplura	Campodeidae	sp. 1	CT	CO	1		6571
Diplura	Campodeidae	sp. 1	CT	CO	4		6570
Diplura	Campodeidae	sp. 1	CT	CO	16		6569
Diplura	Campodeidae	sp. 1	CT	CO	2		232
Diplura	Japygidae	sp. 1	BR	CO	1		6139
Diplura	Japygidae	sp. 1	BR	CO	1		6138
Diplura	Japygidae	sp. 1	BR	CO	2		121
Diptera	Agromyzidae	<i>Agromyza</i> sp.	BR	GM	1	S. Scheffer	7073
Diptera	Agromyzidae	<i>Agromyza</i> sp.	CT	GM	1	S. Scheffer	7370
Diptera	Agromyzidae	<i>Calycomyza</i> sp. 1	CT	GM	2	S. Scheffer	7373
Diptera	Agromyzidae	<i>Calycomyza</i> sp. 2	CT	GM	2	S. Scheffer	7374
Diptera	Agromyzidae	<i>Cerodontha dorsalis</i>	BR	GM	1	S. Scheffer	7071
Diptera	Agromyzidae	<i>Cerodontha dorsalis</i>	CT	GM	1	S. Scheffer	2543
Diptera	Agromyzidae	<i>Cerodontha dorsalis</i>	CT	GM	1	S. Scheffer	2717
Diptera	Agromyzidae	<i>Cerodontha</i> sp.	BR	GM	1	S. Scheffer	7076
Diptera	Agromyzidae	<i>Cerodontha</i> sp. 1	CT	GM	1	S. Scheffer	7371
Diptera	Agromyzidae	<i>Cerodontha</i> sp. 2	CT	GM	1	S. Scheffer	7372
Diptera	Agromyzidae	<i>Cerodontha</i> sp. 3	CT	GM	1	S. Scheffer	7375
Diptera	Agromyzidae	<i>Liriomyza</i> sp.	BR	GM	1	S. Scheffer	7070
Diptera	Agromyzidae	<i>Liriomyza</i> sp.	CT	GM	1	S. Scheffer	2718
Diptera	Agromyzidae	<i>Liriomyza</i> sp.	CT	SW	1	S. Scheffer	2714
Diptera	Agromyzidae	<i>Melanagromyza</i> sp.	BR	GM	1	S. Scheffer	7074
Diptera	Agromyzidae	<i>Melanagromyza</i> sp. 1	CT	GM	1	S. Scheffer	7369
Diptera	Agromyzidae	<i>Melanagromyza</i> sp. 2	CT	GM	1	S. Scheffer	7376
Diptera	Agromyzidae	<i>Metopomyza</i> sp.	CT	GM	1	S. Scheffer	2716
Diptera	Agromyzidae	<i>Ophiomyia</i> sp.	BR	GM	1	S. Scheffer	7075
Diptera	Agromyzidae	<i>Ophiomyia</i> sp.	CT	GM	1	S. Scheffer	7377
Diptera	Agromyzidae	<i>Ophiomyia</i> sp.	CT	SW	1	S. Scheffer	2715
Diptera	Agromyzidae	<i>Phytoliriomyza</i> sp.	CT	GM	1	S. Scheffer	2643
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	1	S. Scheffer	2292
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	1	S. Scheffer	2290
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	1	S. Scheffer	2289
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	6	S. Scheffer	2288
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	7	S. Scheffer	2285
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	1	S. Scheffer	2286
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	4	S. Scheffer	2287
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	6	S. Scheffer	2291
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	6	S. Scheffer	2293
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	2	S. Scheffer	2294
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	3	S. Scheffer	2297
Diptera	Agromyzidae	<i>Phytomyza crassisetata</i>	BR	GM	23	S. Scheffer	2298

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Agromyzidae	<i>Phytomyza crassiset</i>	BR	GM	9	S. Scheffer	2299
Diptera	Agromyzidae	<i>Phytomyza crassiset</i>	BR	GM	16	S. Scheffer	2296
Diptera	Agromyzidae	<i>Phytomyza</i> sp.	BR	SW	1	S. Scheffer	2295
Diptera	Anthomyiidae	<i>Adia cinerella</i> (Fallen)	CT	GM	1	G. Griffiths	6621
Diptera	Anthomyiidae	<i>Anthomyia liturata</i> subsection	BR	GM	1	G. Griffiths	6616
Diptera	Anthomyiidae	<i>Anthomyia oculifera</i> Bigot	BR	GM	3	G. Griffiths	2025
Diptera	Anthomyiidae	<i>Anthomyia oculifera</i> Bigot	BR	GM	2	G. Griffiths	2016
Diptera	Anthomyiidae	<i>Anthomyia oculifera</i> Bigot	BR	GM	1	G. Griffiths	6605
Diptera	Anthomyiidae	<i>Anthomyia oculifera</i> Bigot	CT	GM	1	G. Griffiths	6620
Diptera	Anthomyiidae	<i>Eustalomyia vittipes</i> (Zetterstedt)	BR	GM	1	G. Griffiths	2024
Diptera	Anthomyiidae	<i>Eustalomyia vittipes</i> (Zetterstedt)	BR	GM	2	G. Griffiths	2027
Diptera	Anthomyiidae	<i>Eustalomyia vittipes</i> (Zetterstedt)	BR	GM	1	G. Griffiths	6600
Diptera	Anthomyiidae	<i>Eustalomyia vittipes</i> (Zetterstedt)	CT	GM	5	G. Griffiths	2733
Diptera	Anthomyiidae	<i>Eustalomyia vittipes</i> (Zetterstedt)	CT	GM	1	G. Griffiths	2734
Diptera	Anthomyiidae	<i>Eutrichota affinis</i> (Stein)	CT	GM	1	G. Griffiths	6619
Diptera	Anthomyiidae	<i>Eutrichota lipsia</i> (Walker)	BR	GM	1	G. Griffiths	2017
Diptera	Anthomyiidae	<i>Hylemya alcathoe</i> (Walker)	BR	GM	1	G. Griffiths	6604
Diptera	Anthomyiidae	<i>Hylemya alcathoe</i> (Walker)	BR	GM	1	G. Griffiths	6614
Diptera	Anthomyiidae	<i>Hylemya partita</i> (Meigen)	CT	GM	1	G. Griffiths	6622
Diptera	Anthomyiidae	<i>Pegomya rufescens</i> Stein	BR	GM	1	G. Griffiths	6607
Diptera	Anthomyiidae	<i>Pegomya winthemi</i> (Meigen)	BR	GM	1	G. Griffiths	6609
Diptera	Anthomyiidae	<i>Pegoplatia palposa</i> (Stein)	BR	GM	1	G. Griffiths	2023
Diptera	Anthomyiidae	<i>Pegoplatia palposa</i> (Stein)	BR	GM	1	G. Griffiths	6613
Diptera	Anthomyiidae	<i>Zaphne uniformis</i> (Malloch)	BR	GM	1	G. Griffiths	6606
Diptera	Anthomyiidae	<i>Zaphne uniformis</i> (Malloch)	BR	GM	1	G. Griffiths	6610
Diptera	Asilidae	<i>Atomosia</i> sp.	PA	GM	1		7545
Diptera	Asilidae	<i>Atomosia</i> sp.	PA	GM	1		7518
Diptera	Asilidae	<i>Atomosia</i> sp.	PA	GM	1		7711
Diptera	Asilidae	<i>Efferia</i> sp.	PA	GM	1		7514
Diptera	Asilidae	<i>Efferia</i> sp.	WF	GM	1		7355
Diptera	Asilidae	<i>Laphria canis</i> Williston	BR	GM	1	A. Scarbrough	2010
Diptera	Asilidae	<i>Laphria canis</i> Williston	BR	GM	1	A. Scarbrough	2004
Diptera	Asilidae	<i>Laphria canis</i> Williston	BR	GM	1	A. Scarbrough	4206
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	1	A. Scarbrough	2009
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	12	A. Scarbrough	2002
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	5	A. Scarbrough	2008
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	1	A. Scarbrough	2007
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	6	A. Scarbrough	2003
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	1	A. Scarbrough	2006
Diptera	Asilidae	<i>Leptogaster flavipes</i> Loew	BR	GM	10	A. Scarbrough	2005
Diptera	Asilidae	<i>Leptogaster</i> sp.	MC	GM	1		7768
Diptera	Asilidae	<i>Leptogaster</i> sp.	MC	GM	1		7721
Diptera	Asilidae	<i>Leptogaster</i> sp.	PA	GM	1		7098
Diptera	Asilidae	<i>Leptogaster</i> sp.	WF	GM	1		7374
Diptera	Aulacigastridae	<i>Stenomicro angustata</i> Coquillett	BR	GM	1	RP Withington III	1967
Diptera	Aulacigastridae	<i>Stenomicro angustata</i> Coquillett	CT	SW	1	RP Withington III	2684

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Calliphoridae	<i>Phaenicia coeruleiviridis</i> Macquart	BR	GM	1	N. E. Woodley	1957
Diptera	Calliphoridae	<i>Phaenicia coeruleiviridis</i> Macquart	BR	GM	1	N. E. Woodley	3979
Diptera	Calliphoridae	<i>Phaenicia coeruleiviridis</i> Macquart	CT	GM	1	N. E. Woodley	1938
Diptera	Calliphoridae	<i>Phaenicia</i> sp.	PA	GM	1		7522
Diptera	Calliphoridae	<i>Phaenicia</i> sp.	PA	GM	1		7110
Diptera	Calliphoridae	<i>Phaenicia</i> sp.	VD	GM	1		7297
Diptera	Calliphoridae	<i>Phaenicia</i> sp.	WF	GM	1		7383
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	1948
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	1951
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	1956
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	1949
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	1952
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	2813
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3971
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3973
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3974
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3975
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3977
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3978
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3980
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3982
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3983
Diptera	Calliphoridae	<i>Pollenia pseudorudis</i> Rognes	BR	GM	1	N. E. Woodley	3994
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	2133
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	1950
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	1955
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	1954
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	3976
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	3984
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	3985
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	BR	GM	1	N. E. Woodley	3986
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	CT	GM	1	N. E. Woodley	1937
Diptera	Calliphoridae	<i>Pollenia rudis</i> Fabricius	CT	TR	1	N. E. Woodley	1939
Diptera	Ceratopogonidae	<i>Atrichopogon fuscus</i>	BR	LT	2	A. Borkent	6999
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	BR	SW	1	A. Borkent	6993
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	BR	GM	1	A. Borkent	7025
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	BR	GM	1	A. Borkent	7030
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	BR	GM	2	A. Borkent	7044
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	GM	1	A. Borkent	2504
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	GM	11	A. Borkent	2514
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	GM	1	A. Borkent	2510
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	SW	5	A. Borkent	2508
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	SW	10	A. Borkent	2509
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	SW	1	A. Borkent	211
Diptera	Ceratopogonidae	<i>Atrichopogon</i> sp.	CT	SW	7	A. Borkent	7038
Diptera	Ceratopogonidae	<i>Bezzia nobilis</i>	BR	LT	1	A. Borkent	7014

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Ceratopogonidae	<i>Bezzia nobilis</i>	CT	LT	2	A. Borkent	7035
Diptera	Ceratopogonidae	<i>Bezzia</i> sp.	BR	LT	2	A. Borkent	7015
Diptera	Ceratopogonidae	<i>Brachypogon</i> (Isohelea) sp.	BR	GM	3	A. Borkent	6977
Diptera	Ceratopogonidae	<i>Brachypogon</i> (Isohelea) sp.	BR	LT	1	A. Borkent	7012
Diptera	Ceratopogonidae	<i>Brachypogon</i> sp.	BR	GM	1	A. Borkent	7026
Diptera	Ceratopogonidae	<i>Brachypogon</i> sp.	BR	GM	1	A. Borkent	7031
Diptera	Ceratopogonidae	<i>Brachypogon</i> sp.	BR	GM	1	A. Borkent	7046
Diptera	Ceratopogonidae	<i>Brachypogon</i> sp.	BR	GM	1	A. Borkent	7053
Diptera	Ceratopogonidae	<i>Ceratoculicoides</i> sp.	BR	SW	1	A. Borkent	6979
Diptera	Ceratopogonidae	<i>Ceratoculicoides</i> sp.	BR	LT	3	A. Borkent	7013
Diptera	Ceratopogonidae	<i>Ceratoculicoides</i> sp.	BR	GM	1	A. Borkent	7054
Diptera	Ceratopogonidae	<i>Clinohalea bimaculata</i>	BR	SW	1	A. Borkent	2222
Diptera	Ceratopogonidae	<i>Clinohalea bimaculata</i>	BR	SW	2	A. Borkent	2223
Diptera	Ceratopogonidae	<i>Clinohalea bimaculata</i>	BR	SW	1	A. Borkent	2235
Diptera	Ceratopogonidae	<i>Clinohalea bimaculata</i>	BR	GM	1	A. Borkent	7021
Diptera	Ceratopogonidae	<i>Clinohalea bimaculata</i>	BR	SW	1	A. Borkent	7041
Diptera	Ceratopogonidae	<i>Culicoides biguttatus</i>	BR	LT	194	A. Borkent	2217
Diptera	Ceratopogonidae	<i>Culicoides biguttatus</i>	BR	GM	2	A. Borkent	7045
Diptera	Ceratopogonidae	<i>Culicoides biguttatus</i>	BR	GM	2	A. Borkent	7048
Diptera	Ceratopogonidae	<i>Culicoides footei</i>	BR	LT	1	A. Borkent	7017
Diptera	Ceratopogonidae	<i>Culicoides haematopodus</i>	BR	LT	2	A. Borkent	7018
Diptera	Ceratopogonidae	<i>Culicoides haematopodus</i>	CT	LT	1	A. Borkent	7036
Diptera	Ceratopogonidae	<i>Culicoides stellifer</i>	BR	LT	2	A. Borkent	7019
Diptera	Ceratopogonidae	<i>Culicoides testudinalis</i>	BR	SW	1	A. Borkent	2226
Diptera	Ceratopogonidae	<i>Culicoides testudinalis</i>	BR	GM	1	A. Borkent	6973
Diptera	Ceratopogonidae	<i>Culicoides variipennis</i>	CT	LT	1	A. Borkent	7037
Diptera	Ceratopogonidae	<i>Culicoides villosipennis</i>	BR	LT	1	A. Borkent	7016
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	2238
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	3	A. Borkent	2230
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	10	A. Borkent	2231
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	14	A. Borkent	2240
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	6972
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	7020
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	7022
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	7040
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	7049
Diptera	Ceratopogonidae	<i>Dasyhelea grisea</i>	BR	GM	1	A. Borkent	7051
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	BR	SW	1	A. Borkent	6992
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	BR	GM	2	A. Borkent	7029
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	BR	GM	1	A. Borkent	7052
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	GM	8	A. Borkent	6987
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	GM	4	A. Borkent	6990
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	SW	1	A. Borkent	2505
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	SW	1	A. Borkent	2511
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	SW	1	A. Borkent	2506
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	SW	1	A. Borkent	6984

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Ceratopogonidae	<i>Dasyhelea mutabilis</i>	CT	SW	1	A. Borkent	7039
Diptera	Ceratopogonidae	<i>Dasyhelea</i> n. sp.	BR	LT	4	A. Borkent	6998
Diptera	Ceratopogonidae	<i>Dasyhelea</i> n. sp.	CT	GM	2	A. Borkent	6989
Diptera	Ceratopogonidae	<i>Dasyhelea</i> n. sp. (?)	CT	GM	2	A. Borkent	6983
Diptera	Ceratopogonidae	<i>Dasyhelea pseudoincisurata</i>	BR	GM	1	A. Borkent	2216
Diptera	Ceratopogonidae	<i>Dasyhelea pseudoincisurata</i>	BR	GM	1	A. Borkent	2229
Diptera	Ceratopogonidae	<i>Dasyhelea pseudoincisurata</i>	BR	LT	10	A. Borkent	6995
Diptera	Ceratopogonidae	<i>Dasyhelea pseudoincisurata</i>	BR	GM	2	A. Borkent	7050
Diptera	Ceratopogonidae	<i>Dasyhelea</i> sp.	CT	GM	2	A. Borkent	6988
Diptera	Ceratopogonidae	<i>Dasyhelea stemlerae</i>	BR	LT	5	A. Borkent	6996
Diptera	Ceratopogonidae	<i>Forcipomyia (Forcipomyia)</i> sp.	CT	GM	1	A. Borkent	2513
Diptera	Ceratopogonidae	<i>Forcipomyia (Lepidohealea)</i> sp.	BR	GM	2	A. Borkent	7024
Diptera	Ceratopogonidae	<i>Forcipomyia (Trichohelea)</i> sp.	BR	LT	1	A. Borkent	7003
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	2	A. Borkent	2237
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	3	A. Borkent	2232
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	1	A. Borkent	2211
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	3	A. Borkent	2239
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	4	A. Borkent	2224
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	3	A. Borkent	2221
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	LT	8	A. Borkent	6994
Diptera	Ceratopogonidae	<i>Forcipomyia glauca</i>	BR	GM	1	A. Borkent	7047
Diptera	Ceratopogonidae	<i>Forcipomyia</i> miscellaneous	BR	LT	3	A. Borkent	7005
Diptera	Ceratopogonidae	<i>Forcipomyia</i> n. sp.	BR	GM	1	A. Borkent	2210
Diptera	Ceratopogonidae	<i>Forcipomyia</i> n. sp.	BR	LT	38	A. Borkent	7006
Diptera	Ceratopogonidae	<i>Forcipomyia</i> n. sp.	BR	GM	2	A. Borkent	7027
Diptera	Ceratopogonidae	<i>Forcipomyia</i> n. sp.	BR	GM	1	A. Borkent	7033
Diptera	Ceratopogonidae	<i>Forcipomyia</i> n. sp.	BR	GM	1	A. Borkent	7055
Diptera	Ceratopogonidae	<i>Forcipomyia pinicola</i>	BR	LT	1	A. Borkent	7002
Diptera	Ceratopogonidae	<i>Forcipomyia pluvialis</i>	BR	LT	3	A. Borkent	7004
Diptera	Ceratopogonidae	<i>Forcipomyia pluvialis</i>	BR	GM	1	A. Borkent	7032
Diptera	Ceratopogonidae	<i>Forcipomyia</i> sp.	BR	GM	2	A. Borkent	6974
Diptera	Ceratopogonidae	<i>Forcipomyia</i> sp.	BR	LT	1	A. Borkent	7001
Diptera	Ceratopogonidae	<i>Forcipomyia</i> sp.	BR	GM	1	A. Borkent	7028
Diptera	Ceratopogonidae	<i>Forcipomyia</i> sp.	BR	GM	1	A. Borkent	7034
Diptera	Ceratopogonidae	<i>Forcipomyia</i> sp.	BR	GM	1	A. Borkent	7056
Diptera	Ceratopogonidae	<i>Monhelea grogani</i>	BR	LT	1	A. Borkent	7007
Diptera	Ceratopogonidae	<i>Monhelea jamnbacki</i>	BR	LT	4	A. Borkent	7000
Diptera	Ceratopogonidae	<i>Monhelea</i> sp.	BR	LT	3	A. Borkent	7008
Diptera	Ceratopogonidae	<i>Parabezzia huberti</i>	BR	LT	2	A. Borkent	7011
Diptera	Ceratopogonidae	<i>Stilobezzia antennalis</i>	BR	SW	1	A. Borkent	2218
Diptera	Ceratopogonidae	<i>Stilobezzia antennalis</i>	BR	LT	1	A. Borkent	7010
Diptera	Ceratopogonidae	<i>Stilobezzia antennalis</i>	BR	SW	1	A. Borkent	7042
Diptera	Ceratopogonidae	<i>Stilobezzia bulla</i>	BR	GM	1	A. Borkent	6971
Diptera	Ceratopogonidae	<i>Stilobezzia bulla</i>	BR	GM	1	A. Borkent	6976
Diptera	Ceratopogonidae	<i>Stilobezzia bulla</i>	BR	SW	1	A. Borkent	6991
Diptera	Ceratopogonidae	<i>Stilobezzia bulla</i>	CT	SW	1	A. Borkent	2512

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Ceratopogonidae	<i>Stilobezzia glauca</i>	BR	SW	1	A. Borkent	7043
Diptera	Ceratopogonidae	<i>Stilobezzia lutea</i>	BR	SW	1	A. Borkent	2214
Diptera	Ceratopogonidae	<i>Stilobezzia lutea</i>	BR	SW	3	A. Borkent	2215
Diptera	Ceratopogonidae	<i>Stilobezzia lutea</i>	BR	SW	1	A. Borkent	6980
Diptera	Ceratopogonidae	<i>Stilobezzia lutea</i>	BR	LT	1	A. Borkent	7009
Diptera	Ceratopogonidae	<i>Stilobezzia lutea</i>	BR	GM	1	A. Borkent	7023
Diptera	Chaoboridae	<i>Chaoborus (Chaoborus) sp.</i>	BR	LT	2	RP Withington III	1988
Diptera	Chaoboridae	<i>Chaoborus (Chaoborus) sp.</i>	BR	GM	1	RP Withington III	1990
Diptera	Chaoboridae	<i>Chaoborus (Sayomyia) sp.</i>	BR	SW	1	RP Withington III	1989
Diptera	Chaoboridae	<i>Chaoborus (Sayomyia) sp.</i>	BR	LT	1	RP Withington III	4018
Diptera	Chaoboridae	<i>Chaoborus (Sayomyia) sp.</i>	CT	LT	1	RP Withington III	2527
Diptera	Chironomidae	<i>Thienemanniella sp.</i>	PA	GM	1		7569
Diptera	Chironomidae	<i>Thienemanniella sp.</i>	PA	GM	1		7719
Diptera	Chloropidae	<i>Chlorops obscuricornis?</i>	BR	GM	1	B. A. Foote	2277
Diptera	Chloropidae	<i>Chlorops obscuricornis?</i>	CT	SW	1	B. A. Foote	2429
Diptera	Chloropidae	<i>Chlorops sp.</i>	CT	GM	8	B. A. Foote	2422
Diptera	Chloropidae	<i>Chlorops sp.</i>	VD	SW	1		7718
Diptera	Chloropidae	<i>Elachiptera costata</i>	CT	GM	1	B. A. Foote	2425
Diptera	Chloropidae	<i>Elachiptera sp.</i>	CT	SW	1	B. A. Foote	2424
Diptera	Chloropidae	<i>Incertella sp.</i>	BR	GM	1	B. A. Foote	7062
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	SW	1	B. A. Foote	2270
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	SW	1	B. A. Foote	2271
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	1	B. A. Foote	2283
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	1	B. A. Foote	2266
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	2	B. A. Foote	2265
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	2	B. A. Foote	2278
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	17	B. A. Foote	2276
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	6	B. A. Foote	2269
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	5	B. A. Foote	2267
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	6	B. A. Foote	2262
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	5	B. A. Foote	2264
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	6	B. A. Foote	2284
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	40	B. A. Foote	2273
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	33	B. A. Foote	2281
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	2	B. A. Foote	2263
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	45	B. A. Foote	2279
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	44	B. A. Foote	2282
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	31	B. A. Foote	2280
Diptera	Chloropidae	<i>Oscinella frit</i>	BR	GM	12	B. A. Foote	7060
Diptera	Chloropidae	<i>Oscinella frit</i>	CT	GM	2	B. A. Foote	2416
Diptera	Chloropidae	<i>Oscinella frit</i>	CT	GM	1	B. A. Foote	7066
Diptera	Chloropidae	<i>Parectecephala sp.</i>	VD	SW	1		6883
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	BR	SW	1	B. A. Foote	2274
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	BR	SW	1	B. A. Foote	2272
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	BR	GM	1	B. A. Foote	7057
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	BR	SW	8	B. A. Foote	7058

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	BR	GM	1	B. A. Foote	7059
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	GM	9	B. A. Foote	7063
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	GM	3	B. A. Foote	7067
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	10	B. A. Foote	2421
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	26	B. A. Foote	2426
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	1	B. A. Foote	2431
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	2	B. A. Foote	2430
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	4	B. A. Foote	2428
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	1	B. A. Foote	2423
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	3	B. A. Foote	2417
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	1	B. A. Foote	2415
Diptera	Chloropidae	<i>Rhopalopterum carbonarium</i>	CT	SW	9	B. A. Foote	7068
Diptera	Chloropidae	<i>Thaumatomyia glabra</i>	CT	LT	1	B. A. Foote	2419
Diptera	Chloropidae	<i>Thaumatomyia pulla</i>	CT	GM	1	B. A. Foote	7064
Diptera	Chloropidae	<i>Thaumatomyia</i> sp.	PA	SW	2		7142
Diptera	Chloropidae	<i>Thaumatomyia</i> sp.	PA	SW	3		7200
Diptera	Conopidae	<i>Thecophora nigripes</i>	CT	GM	1	S. Camras	3987
Diptera	Conopidae	<i>Thecophora propinqua</i> (Adams)	CT	GM	1	S. Camras	2719
Diptera	Conopidae	<i>Thecophora propinqua</i> (Adams)	CT	GM	1	S. Camras	3988
Diptera	Conopidae	<i>Thecophora propinqua</i> (Adams)	CT	GM	1	S. Camras	3989
Diptera	Conopidae	<i>Thecophora</i> sp.	PA	GM	1		7521
Diptera	Dolichopodidae	<i>Amblypsilopus scintillans?</i> (Loew)	CT	GM	1	R. Hurley	7088
Diptera	Dolichopodidae	<i>Amblypsilopus uniconensis</i> (Robinson)	BR	LC	1	R. Hurley	1300
Diptera	Dolichopodidae	<i>Amblypsilopus uniconensis</i> (Robinson)	CT	GM	1	R. Hurley	7164
Diptera	Dolichopodidae	<i>Argyra flavipes</i> Van Duzee	BR	GM	1	R. Hurley	7176
Diptera	Dolichopodidae	<i>Chrysotimus flavicornis</i> Van Duzee	BR	IP	1	R. Hurley	1308
Diptera	Dolichopodidae	<i>Chrysotimus flavicornis</i> Van Duzee	BR	GM	2	R. Hurley	7173
Diptera	Dolichopodidae	<i>Chrysotimus flavicornis</i> Van Duzee	BR	GM	2	R. Hurley	7185
Diptera	Dolichopodidae	<i>Chrysotimus lutea</i> Curran	BR	GM	2	R. Hurley	7102
Diptera	Dolichopodidae	<i>Chrysotimus lutea</i> Curran	BR	GM	2	R. Hurley	7172
Diptera	Dolichopodidae	<i>Chrysotimus</i> sp.	BR	GM	1	R. Hurley	1288
Diptera	Dolichopodidae	<i>Chrysotimus</i> sp.	BR	GM	1	R. Hurley	7097
Diptera	Dolichopodidae	<i>Chrysotimus</i> sp.	BR	GM	1	R. Hurley	7109
Diptera	Dolichopodidae	<i>Chrysotus obliquus</i> complex	BR	GM	1	R. Hurley	7093
Diptera	Dolichopodidae	<i>Chrysotus obliquus</i> complex	CT	GM	25	R. Hurley	7085
Diptera	Dolichopodidae	<i>Chrysotus obliquus</i> complex	CT	GM	6	R. Hurley	7162
Diptera	Dolichopodidae	<i>Chrysotus obliquus</i> complex	CT	GM	3	R. Hurley	7168
Diptera	Dolichopodidae	<i>Chrysotus obliquus</i> complex	CT	SW	3	R. Hurley	7114
Diptera	Dolichopodidae	<i>Chrysotus obliquus</i> complex	CT	SW	1	R. Hurley	7154
Diptera	Dolichopodidae	<i>Chrysotus pallipes</i> Loew	CT	GM	2	R. Hurley	7084
Diptera	Dolichopodidae	<i>Chrysotus pallipes?</i> Loew	BR	LT	1	R. Hurley	7159
Diptera	Dolichopodidae	<i>Chrysotus</i> sp.	BR	SW	1	RP Withington III	1970
Diptera	Dolichopodidae	<i>Chrysotus</i> sp.	BR	CM	1	R. Hurley	1310
Diptera	Dolichopodidae	<i>Chrysotus</i> sp.	BR	GM	1	R. Hurley	7104
Diptera	Dolichopodidae	<i>Chrysotus</i> sp.	BR	GM	2	R. Hurley	7175
Diptera	Dolichopodidae	<i>Condyllostylus calcaratus</i> (Loew)	BR	LT	1	R. Hurley	7158

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Dolichopodidae	<i>Condylostylus calcaratus</i> (Loew)	CT	GM	2	R. Hurley	7080
Diptera	Dolichopodidae	<i>Condylostylus</i> sp.	CT	SW	1	R. Hurley	7155
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	BR	SW	1	R. Hurley	1296
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	BR	SW	1	R. Hurley	1305
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	BR	GM	1	R. Hurley	1303
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	BR	GM	1	R. Hurley	1302
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	CT	SW	1	R. Hurley	7078
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	CT	SW	1	R. Hurley	7106
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	CT	SW	1	R. Hurley	7150
Diptera	Dolichopodidae	<i>Diaphorus mundus</i> Loew	CT	SW	1	R. Hurley	7153
Diptera	Dolichopodidae	<i>Diaphorus</i> sp.	BR	GM	1	R. Hurley	7096
Diptera	Dolichopodidae	<i>Dolichopus comatus</i> Loew	CT	SW	1	R. Hurley	1278
Diptera	Dolichopodidae	<i>Dolichopus comatus</i> Loew	CT	SW	1	R. Hurley	7112
Diptera	Dolichopodidae	<i>Dolichopus correus</i> Steyskal	BR	GM	1	R. Hurley	1306
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	GM	3	R. Hurley	1275
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	GM	1	R. Hurley	1280
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	GM	1	R. Hurley	1277
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	GM	1	R. Hurley	1281
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	SW	2	R. Hurley	1282
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	SW	3	R. Hurley	1283
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	SW	2	R. Hurley	1286
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	SW	1	R. Hurley	1285
Diptera	Dolichopodidae	<i>Dolichopus cuprinus</i> Wiedemann	CT	SW	1	R. Hurley	1276
Diptera	Dolichopodidae	<i>Dolichopus funditor</i> Loew	CT	SW	1	R. Hurley	7105
Diptera	Dolichopodidae	<i>Dolichopus pantomima</i> Melander & Brues	BR	GM	1	R. Hurley	1295
Diptera	Dolichopodidae	<i>Dolichopus reflectus</i> Aldrich	CT	SW	1	R. Hurley	7091
Diptera	Dolichopodidae	<i>Dolichopus scapularis</i> Loew	CT	SW	2	R. Hurley	1284
Diptera	Dolichopodidae	<i>Dolichopus scapularis</i> Loew	CT	SW	1	R. Hurley	1279
Diptera	Dolichopodidae	<i>Dolichopus scapularis</i> Loew	CT	SW	2	R. Hurley	7092
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	BR	GM	1	R. Hurley	1289
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	CT	GM	3	R. Hurley	7161
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	CT	GM	3	R. Hurley	7167
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	CT	SW	7	R. Hurley	7090
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	CT	SW	1	R. Hurley	7111
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	CT	SW	8	R. Hurley	7116
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	CT	SW	4	R. Hurley	7152
Diptera	Dolichopodidae	<i>Dolichopus vigilans?</i> Loew	CT	GM	1	R. Hurley	7079
Diptera	Dolichopodidae	<i>Dolichopus vittatus</i> Loew	CT	GM	1	R. Hurley	7160
Diptera	Dolichopodidae	<i>Dolichopus vittatus</i> Loew	CT	GM	2	R. Hurley	7166
Diptera	Dolichopodidae	<i>Dolichopus vittatus</i> Loew	CT	SW	6	R. Hurley	7089
Diptera	Dolichopodidae	<i>Dolichopus vittatus</i> Loew	CT	SW	5	R. Hurley	7110
Diptera	Dolichopodidae	<i>Dolichopus vittatus</i> Loew	CT	SW	5	R. Hurley	7115
Diptera	Dolichopodidae	<i>Dolichopus vittatus</i> Loew	CT	SW	1	R. Hurley	7151
Diptera	Dolichopodidae	<i>Gymnopternus crassicauda</i> Loew	BR	GM	1	R. Hurley	1294
Diptera	Dolichopodidae	<i>Gymnopternus difficilis</i> Loew	BR	GM	2	R. Hurley	7099
Diptera	Dolichopodidae	<i>Gymnopternus exilis</i> Loew	CT	GM	1	R. Hurley	7081

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Dolichopodidae	<i>Gymnopternus opacus</i> Loew	BR	GM	2	R. Hurley	1293
Diptera	Dolichopodidae	<i>Gymnopternus opacus</i> Loew	BR	GM	1	R. Hurley	7169
Diptera	Dolichopodidae	<i>Gymnopternus opacus</i> Loew	BR	GM	1	R. Hurley	7177
Diptera	Dolichopodidae	<i>Gymnopternus politus</i> Loew	BR	SW	1	R. Hurley	1298
Diptera	Dolichopodidae	<i>Gymnopternus politus</i> Loew	BR	SW	3	R. Hurley	1312
Diptera	Dolichopodidae	<i>Gymnopternus politus</i> Loew	BR	SW	1	R. Hurley	1287
Diptera	Dolichopodidae	<i>Gymnopternus politus</i> Loew	BR	SW	2	R. Hurley	1307
Diptera	Dolichopodidae	<i>Gymnopternus politus</i> Loew	BR	SW	2	R. Hurley	1309
Diptera	Dolichopodidae	<i>Gymnopternus politus</i> Loew	BR	LT	1	R. Hurley	7157
Diptera	Dolichopodidae	<i>Gymnopternus</i> sp.	BR	GM	1	R. Hurley	1297
Diptera	Dolichopodidae	<i>Gymnopternus</i> sp.	BR	GM	1	R. Hurley	7178
Diptera	Dolichopodidae	<i>Medetera aberrans</i> Wheeler	CT	GM	3	R. Hurley	7083
Diptera	Dolichopodidae	<i>Medetera isobellae</i> Bickel	CT	GM	2	R. Hurley	7086
Diptera	Dolichopodidae	<i>Medetera nova</i> Van Duzee	BR	GM	1	R. Hurley	7094
Diptera	Dolichopodidae	<i>Medetera</i> sp.	BR	GM	1	R. Hurley	7181
Diptera	Dolichopodidae	<i>Medetera</i> sp.	BR	GM	1	R. Hurley	7186
Diptera	Dolichopodidae	<i>Medetera</i> sp.	CT	GM	1	R. Hurley	7087
Diptera	Dolichopodidae	<i>Medetera vittata</i> Van Duzee	BR	GM	1	R. Hurley	1299
Diptera	Dolichopodidae	<i>Medetera vittata</i> Van Duzee	BR	GM	1	R. Hurley	1292
Diptera	Dolichopodidae	<i>Medetera vittata</i> Van Duzee	BR	GM	1	R. Hurley	7095
Diptera	Dolichopodidae	<i>Medetera vittata</i> Van Duzee	BR	GM	1	R. Hurley	7156
Diptera	Dolichopodidae	<i>Medetera vittata</i> Van Duzee	CT	GM	3	R. Hurley	7163
Diptera	Dolichopodidae	<i>Neurigona carbonifer</i> Loew	BR	GM	1	R. Hurley	7179
Diptera	Dolichopodidae	<i>Neurigona rubella</i> ? Loew	BR	GM	1	R. Hurley	7180
Diptera	Dolichopodidae	<i>Neurigona</i> sp.	BR	GM	1	R. Hurley	1290
Diptera	Dolichopodidae	<i>Neurigona</i> sp.	BR	GM	1	R. Hurley	7100
Diptera	Dolichopodidae	<i>Neurigona</i> sp.	CT	GM	1	R. Hurley	7082
Diptera	Dolichopodidae	<i>Pelastoneurus neglectus</i> Wheeler	CT	SW	1	R. Hurley	7113
Diptera	Dolichopodidae	<i>Pelastoneurus vagans</i> Loew	BR	LT	1	R. Hurley	1304
Diptera	Dolichopodidae	<i>Peloropectes bicolor</i> (Van Duzee)	BR	SW	1	R. Hurley	7107
Diptera	Dolichopodidae	<i>Peloropectes</i> sp.	BR	GM	1	R. Hurley	7103
Diptera	Dolichopodidae	<i>Peloropectes</i> sp.	BR	GM	3	R. Hurley	7174
Diptera	Dolichopodidae	<i>Peloropectes</i> sp.	BR	GM	2	R. Hurley	7183
Diptera	Dolichopodidae	<i>Sympycnus lineatus</i> Loew	BR	SW	1	R. Hurley	1311
Diptera	Dolichopodidae	<i>Sympycnus lineatus</i> Loew	BR	SW	2	R. Hurley	1291
Diptera	Dolichopodidae	<i>Sympycnus lineatus</i> Loew	BR	GM	1	R. Hurley	7170
Diptera	Dolichopodidae	<i>Thrypticus muhlenbergiae</i> Johannsen & Crosby	BR	GM	1	R. Hurley	7098
Diptera	Dolichopodidae	<i>Thrypticus muhlenbergiae</i> Johannsen & Crosby	BR	GM	7	R. Hurley	7101
Diptera	Dolichopodidae	<i>Thrypticus muhlenbergiae</i> Johannsen & Crosby	BR	GM	3	R. Hurley	7108
Diptera	Dolichopodidae	<i>Thrypticus muhlenbergiae</i> Johannsen & Crosby	BR	GM	2	R. Hurley	7171
Diptera	Dolichopodidae	<i>Thrypticus muhlenbergiae</i> Johannsen & Crosby	BR	GM	4	R. Hurley	7182
Diptera	Dolichopodidae	<i>Thrypticus muhlenbergiae</i> Johannsen & Crosby	BR	GM	1	R. Hurley	7184
Diptera	Dolichopodidae	<i>Condyllostylus</i> sp.	PA	GM	1		7551
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	PA	GM	1		7516
Diptera	Dolichopodidae	<i>Dolichopus</i> sp.	WF	SW	1		7237
Diptera	Dolichopodidae	undetermined	MC	BE	25		7267

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Doliochopodidae	undetermined	MC	GM	4		6940
Diptera	Doliochopodidae	undetermined	MC	GM	13		7738
Diptera	Doliochopodidae	undetermined	MC	SW	1		7624
Diptera	Doliochopodidae	undetermined	MC	SW	1		7624
Diptera	Doliochopodidae	undetermined	PA	GM	77		7544
Diptera	Doliochopodidae	undetermined	PA	GM	7		7115
Diptera	Doliochopodidae	undetermined	PA	SW	2		7143
Diptera	Doliochopodidae	undetermined	PA	SW	3		7199
Diptera	Doliochopodidae	undetermined	VD	PO	2		7192
Diptera	Doliochopodidae	undetermined	VD	GM	27		7301
Diptera	Doliochopodidae	undetermined	VD	SW	2		6871
Diptera	Doliochopodidae	undetermined	WF	GM	135		7362
Diptera	Doliochopodidae	undetermined	WF	SW	2		6987
Diptera	Doliochopodidae	undetermined	WF	SW	1		7241
Diptera	Drosophilidae	<i>Chymomyza amoena</i>	BR	SW	1	B. A. Foote	2154
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	SW	1	RP Withington III	2323
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	SW	3	RP Withington III	2318
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	CM	1	RP Withington III	2326
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	GM	5	RP Withington III	2320
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	GM	2	RP Withington III	2325
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	GM	1	RP Withington III	2319
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	BR	GM	2	RP Withington III	2322
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	CT	SW	1	RP Withington III	2533
Diptera	Drosophilidae	<i>Chymomyza</i> sp.	CT	SW	1	RP Withington III	4091
Diptera	Drosophilidae	<i>Drosophila</i> sp.	BR	SW	1	RP Withington III	2171
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	GM	5	RP Withington III	2542
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	GM	1	RP Withington III	2541
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	GM	1	RP Withington III	2539
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	SW	1	RP Withington III	2537
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	SW	3	RP Withington III	2535
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	SW	2	RP Withington III	2538
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	SW	5	RP Withington III	2534
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	SW	1	RP Withington III	2536
Diptera	Drosophilidae	<i>Drosophila</i> sp.	CT	SW	1	RP Withington III	2540
Diptera	Drosophilidae	<i>Scaptomyza</i> sp.	BR	SW	1	RP Withington III	2176
Diptera	Drosophilidae	<i>Scaptomyza</i> sp.	BR	SW	1	RP Withington III	2172
Diptera	Drosophilidae	<i>Scaptomyza</i> sp.	BR	LT	1	RP Withington III	3161
Diptera	Drosophilidae	undetermined	PA	GM	2		7130
Diptera	Drosophilidae	undetermined	PA	SW	1		7154
Diptera	Drosophilidae	undetermined	PA	SW	2		7215
Diptera	Drosophilidae	undetermined	VD	SW	1		6882
Diptera	Drosophilidae	undetermined	WF	GM	1		7425
Diptera	Empididae	<i>Hybotinae</i>	BR	LT	7		2310
Diptera	Empididae	<i>Tachydromia</i> sp.	BR	IP	1	R. Hurley	1301
Diptera	Ephydriidae	<i>Athryoglossa granulosa</i>	BR	SW	1	B. A. Foote	2021
Diptera	Ephydriidae	<i>Athryoglossa granulosa</i>	BR	SW	1	B. A. Foote	2020

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Ephydriidae	<i>Brachydeutera argentata</i>	CT	LT	4	B. A. Foote	2409
Diptera	Ephydriidae	<i>Leptopsilopa atrimana</i>	CT	GM	1	B. A. Foote	2410
Diptera	Ephydriidae	<i>Leptopsilopa atrimana</i>	CT	SW	1	B. A. Foote	2411
Diptera	Heleomyzidae	<i>Acantholeria</i> sp.	BR	LT	1	RP Withington III	2174
Diptera	Heleomyzidae	<i>Amoebaleria helvola</i>	BR	IP	1	B. A. Foote	2153
Diptera	Heleomyzidae	<i>Eccoptomera</i> sp.	BR	GM	1	RP Withington III	3350
Diptera	Heleomyzidae	<i>Suillia</i> sp.	BR	GM	1	RP Withington III	2178
Diptera	Heleomyzidae	<i>Suillia</i> sp.	BR	GM	1	RP Withington III	1972
Diptera	Lauxaniidae	<i>Homoneura fraterna</i> (Loew)	BR	PO	1	S. D. Gaimari	2142
Diptera	Lauxaniidae	<i>Homoneura fraterna</i> (Loew)	BR	SW	1	S. D. Gaimari	2141
Diptera	Lauxaniidae	<i>Homoneura fraterna</i> (Loew)	BR	GM	1	S. D. Gaimari	2145
Diptera	Lauxaniidae	<i>Minettia magna</i> (Coquillett)	BR	GM	1	S. D. Gaimari	2147
Diptera	Lauxaniidae	<i>Poecilominettia</i> nr. <i>ordinaria</i> (Melander)	BR	GM	1	S. D. Gaimari	2143
Diptera	Lauxaniidae	<i>Poeciloycia obtusilamellata</i> (Malloch)	BR	SW	1	S. D. Gaimari	2144
Diptera	Lauxaniidae	<i>Poeciloycia obtusilamellata</i> (Malloch)	BR	GM	1	S. D. Gaimari	3409
Diptera	Lonchopteridae	<i>Lonchoptera</i> sp.	CT	SW	1		2635
Diptera	Lonchopteridae	<i>Lonchoptera</i> sp.	WF	SW	1		7257
Diptera	Milichiidae	<i>Paramyia nitens</i> (Loew)	BR	GM	1	RP Withington III	2019
Diptera	Milichiidae	<i>Phyllomyza</i> sp.	BR	SW	1	RP Withington III	2321
Diptera	Milichiidae	<i>Phyllomyza</i> sp.	CT	SW	1	RP Withington III	2644
Diptera	Muscidae	<i>Fannia</i> sp.	BR	IP	1	RP Withington III	2173
Diptera	Muscidae	<i>Neomyia cornicina</i> Fabricius	CT	GM	1	N. E. Woodley	3962
Diptera	Mycetophilidae	? <i>Megophthalmidia</i> sp.	BR	GM	1	E. I. Coher	6067
Diptera	Mycetophilidae	<i>Cluzobra</i> sp.	BR	GM	1	E. I. Coher	6204
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	LT	1	E. I. Coher	2404
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	1	E. I. Coher	2394
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	4	E. I. Coher	2391
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	1	E. I. Coher	2387
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	5	E. I. Coher	2405
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	2	E. I. Coher	2388
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	1	E. I. Coher	2389
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	5	E. I. Coher	2397
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	3	E. I. Coher	2396
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	6	E. I. Coher	2401
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	2	E. I. Coher	2400
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	3	E. I. Coher	2402
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	BR	GM	1	E. I. Coher	2399
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	CT	GM	1	E. I. Coher	2437
Diptera	Mycetophilidae	<i>Cordyla recens</i> Johannsen	CT	LT	1	E. I. Coher	2435
Diptera	Mycetophilidae	<i>Diadocidia valida</i> Mik	CT	GM	1	E. I. Coher	5944
Diptera	Mycetophilidae	<i>Exechia cincinnata</i> Johannsen	BR	GM	1	E. I. Coher	6053
Diptera	Mycetophilidae	<i>Hadroneura</i> sp.	CT	GM	1	E. I. Coher	6211
Diptera	Mycetophilidae	<i>Macrocera</i> sp.	BR	GM	1	E. I. Coher	6052
Diptera	Mycetophilidae	<i>Macrocera</i> sp.	CT	GM	1	E. I. Coher	5937
Diptera	Mycetophilidae	<i>Mycetophila fisherae</i> (Laffoon)	CT	GM	4	E. I. Coher	5940
Diptera	Mycetophilidae	<i>Mycetophila fisherae</i> (Laffoon)	CT	GM	1	E. I. Coher	5943

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	BR	GM	1	E. I. Coher	6065
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	BR	GM	1	E. I. Coher	6066
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	BR	GM	1	E. I. Coher	6137
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	BR	GM	2	E. I. Coher	6148
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	CT	GM	1	E. I. Coher	5942
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	CT	GM	1	E. I. Coher	5945
Diptera	Mycetophilidae	<i>Mycetophila</i> sp.	CT	SW	1	E. I. Coher	2433
Diptera	Mycetophilidae	<i>Mycomya byersi</i> Vaisanen	BR	GM	1	E. I. Coher	6147
Diptera	Mycetophilidae	<i>Mycomya obliqua</i> (Say)	BR	GM	1	E. I. Coher	6051
Diptera	Mycetophilidae	<i>Mycomya obliqua</i> (Say)	BR	GM	1	E. I. Coher	6146
Diptera	Mycetophilidae	<i>Mycomya</i> sp.	BR	GM	1	E. I. Coher	6136
Diptera	Mycetophilidae	<i>Neoempheria indulgens</i> Johannsen	BR	GM	1	E. I. Coher	6055
Diptera	Mycetophilidae	<i>Neoempheria indulgens</i> Johannsen	BR	GM	1	E. I. Coher	6135
Diptera	Mycetophilidae	<i>Neoempheria indulgens</i> Johannsen	BR	GM	2	E. I. Coher	6145
Diptera	Mycetophilidae	<i>Neoempheria indulgens</i> Johannsen	BR	GM	1	E. I. Coher	6150
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	BR	GM	1	E. I. Coher	6042
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	BR	GM	1	E. I. Coher	6054
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	BR	GM	1	E. I. Coher	6064
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	BR	GM	1	E. I. Coher	6128
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	CT	GM	2	E. I. Coher	2438
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	CT	GM	1	E. I. Coher	2436
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	CT	GM	2	E. I. Coher	5938
Diptera	Mycetophilidae	<i>Neoplatyura bella</i> n.s.	CT	GM	2	E. I. Coher	6210
Diptera	Mycetophilidae	<i>Neoplatyura mendosa</i> (Loew)	BR	GM	1	E. I. Coher	6041
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	SW	1	E. I. Coher	2406
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	SW	1	E. I. Coher	2403
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	1	E. I. Coher	2398
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	9	E. I. Coher	2392
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	1	E. I. Coher	2395
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	3	E. I. Coher	6043
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	7	E. I. Coher	6063
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	1	E. I. Coher	6129
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	2	E. I. Coher	6130
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	5	E. I. Coher	6134
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	GM	4	E. I. Coher	6144
Diptera	Mycetophilidae	<i>Neoplatyura</i> sp.	BR	LT	1	E. I. Coher	6151
Diptera	Mycetophilidae	nr. <i>Palaeodocosia</i> sp.	BR	GM	1	E. I. Coher	6207
Diptera	Mycetophilidae	<i>Proceroplatus elegans</i> (Coquillett)	BR	GM	1	E. I. Coher	6044
Diptera	Mycetophilidae	<i>Proceroplatus elegans</i> (Coquillett)	CT	LT	1	E. I. Coher	5939
Diptera	Mycetophilidae	<i>Sceptonia</i> sp.	BR	GM	1	E. I. Coher	2393
Diptera	Mycetophilidae	<i>Sceptonia</i> sp.	BR	GM	1	E. I. Coher	6200
Diptera	Mycetophilidae	<i>Sceptonia</i> sp.	BR	GM	1	E. I. Coher	6202
Diptera	Mycetophilidae	<i>Sceptonia</i> sp.	BR	GM	1	E. I. Coher	6203
Diptera	Mycetophilidae	<i>Sceptonia</i> sp.	BR	GM	2	E. I. Coher	6205
Diptera	Mycetophilidae	<i>Sceptonia</i> sp.	BR	GM	2	E. I. Coher	6208
Diptera	Mycetophilidae	<i>Sciophila</i> sp.	CT	GM	1	E. I. Coher	2434

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Mycetophilidae	<i>Sciophila</i> sp.	CT	GM	1	E. I. Coher	5941
Diptera	Pipunculidae	<i>Cephalosphaera</i> sp.	CT	GM	1	RP Withington III	4232
Diptera	Pipunculidae	<i>Chalarus</i> sp.	BR	SW	1	RP Withington III	2162
Diptera	Pipunculidae	<i>Chalarus</i> sp.	CT	GM	2	RP Withington III	2531
Diptera	Pipunculidae	<i>Chalarus</i> sp.	CT	GM	1	RP Withington III	2530
Diptera	Pipunculidae	<i>Chalarus</i> sp.	CT	GM	3	RP Withington III	2529
Diptera	Pipunculidae	<i>Chalarus</i> sp.	CT	GM	2	RP Withington III	4229
Diptera	Pipunculidae	<i>Chalarus</i> sp.	CT	SW	1	RP Withington III	2532
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	BR	GM	1	RP Withington III	2167
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	BR	GM	2	RP Withington III	2170
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	BR	GM	1	RP Withington III	2163
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	BR	GM	1	RP Withington III	2169
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	BR	SW	1	RP Withington III	4234
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	BR	GM	1	RP Withington III	4236
Diptera	Pipunculidae	<i>Pipunculus (Eudorylas)</i> sp.	CT	GM	1	RP Withington III	2528
Diptera	Pipunculidae	<i>Pipunculus (Pipunculus)</i> sp.	BR	GM	1	RP Withington III	2161
Diptera	Pipunculidae	<i>Pipunculus (Pipunculus)</i> sp.	BR	LT	1	RP Withington III	2165
Diptera	Pipunculidae	<i>Pipunculus (Pipunculus)</i> sp.	BR	GM	1	RP Withington III	2160
Diptera	Pipunculidae	<i>Pipunculus (Pipunculus)</i> sp.	BR	GM	1	RP Withington III	2164
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	BR	GM	1	RP Withington III	2168
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	BR	GM	1	RP Withington III	4235
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	BR	GM	1	RP Withington III	4237
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	CT	GM	7	RP Withington III	4230
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	CT	GM	1	RP Withington III	4231
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	CT	GM	2	RP Withington III	4233
Diptera	Pipunculidae	<i>Tomosvaryella</i> sp.	VD	GM	1		7302
Diptera	Platystomatidae	<i>Rivellia metalica</i> v.d. Wulp	BR	SW	1	S. D. Gaimari	2146
Diptera	Platystomatidae	<i>Rivellia</i> sp.	VD	GM	3		7312
Diptera	Psychodidae	<i>Psychoda alternata</i> Say	BR	GM	1	L. Quate	4098
Diptera	Psychodidae	<i>Psychoda bishoppi</i> del Rosario	BR	GM	1	L. Quate	4102
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	SW	1	L. Quate	2117
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	CO	1	L. Quate	2118
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	2127
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	23	L. Quate	2122
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	2125
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	2126
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	4092
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	4093
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	4094
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	4095
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	4096
Diptera	Psychodidae	<i>Psychoda lativentris</i> Berden	BR	GM	1	L. Quate	4097
Diptera	Psychodidae	<i>Psychoda phalaenoides</i> (L.)	BR	GM	1	L. Quate	2123
Diptera	Psychodidae	<i>Psychoda phalaenoides</i> (L.)	BR	GM	1	L. Quate	4099
Diptera	Psychodidae	<i>Psychoda phalaenoides</i> (L.)	BR	GM	1	L. Quate	4100
Diptera	Psychodidae	<i>Psychoda phalaenoides</i> (L.)	BR	GM	1	L. Quate	4101

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Psychodidae	<i>Psychoda pusilla</i> Tonnoir	BR	GM	2	L. Quate	2123
Diptera	Psychodidae	<i>Psychoda</i> sp.	PA	CO	3		7703
Diptera	Psychodidae	<i>Trichomyia nuda</i> (Dyar)	BR	GM	1	L. Quate	4103
Diptera	Psychodidae	<i>Trichomyia nuda</i> (Dyar)	BR	GM	1	L. Quate	4104
Diptera	Rhagionidae	<i>Chrysopilus fasciatus</i> Say	BR	GM	1	D. W. Webb	2241
Diptera	Rhagionidae	<i>Chrysopilus fasciatus</i> Say	BR	GM	1	D. W. Webb	2242
Diptera	Rhagionidae	<i>Chrysopilus fasciatus</i> Say	BR	GM	1	D. W. Webb	2249
Diptera	Rhagionidae	<i>Chrysopilus ornatus</i> Say	BR	IP	1	N. E. Woodley	2001
Diptera	Rhagionidae	<i>Chrysopilus</i> sp.	PA	GM	1		7129
Diptera	Rhagionidae	<i>Symphoromyia</i> sp.	BR	SB	1	D. W. Webb	2246
Diptera	Rhagionidae	<i>Symphoromyia</i> sp.	BR	GM	1	D. W. Webb	2244
Diptera	Rhagionidae	<i>Symphoromyia</i> sp.	BR	GM	2	D. W. Webb	2245
Diptera	Rhagionidae	<i>Symphoromyia</i> sp.	BR	GM	1	D. W. Webb	2243
Diptera	Sarcophagidae	<i>Blaesoxipha (Tephromyia) spatulata</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4021
Diptera	Sarcophagidae	<i>Blaesoxipha (Tephromyia) spatulata</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4022
Diptera	Sarcophagidae	<i>Blaesoxipha (Tephromyia) spatulata</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4023
Diptera	Sarcophagidae	<i>Blaesoxipha (Tephromyia) spatulata</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4024
Diptera	Sarcophagidae	<i>Blaesoxipha (Tephromyia) spatulata</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4025
Diptera	Sarcophagidae	<i>Blaesoxipha (Tephromyia) spatulata</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4026
Diptera	Sarcophagidae	<i>Boettcheria bisetosa</i> Parker	BR	GM	1	G. A. Dahlem	4027
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	GM	1	G.A. Dahlem	4028
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	GM	1	G.A. Dahlem	4029
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	GM	1	G.A. Dahlem	4030
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	GM	1	G.A. Dahlem	4031
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	GM	1	G.A. Dahlem	4032
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	GM	1	G.A. Dahlem	4033
Diptera	Sarcophagidae	<i>Boettcheria cimbicis</i> (Townsend)	CT	SW	1	G.A. Dahlem	1940
Diptera	Sarcophagidae	<i>Boettcheria latisterna</i> Parker	BR	GM	1	G. A. Dahlem	1964
Diptera	Sarcophagidae	<i>Boettcheria latisterna</i> Parker	BR	GM	1	G. A. Dahlem	4034
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	1960
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	1958
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	1959
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	1963
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	1961
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	1962
Diptera	Sarcophagidae	<i>Brachicoma sarcophagina</i> (Townsend)	BR	GM	1	G. A. Dahlem	4019
Diptera	Sarcophagidae	<i>Brachicoma</i> sp.	BR	GM	1	N. E. Woodley	2812
Diptera	Sarcophagidae	<i>Brachicoma</i> sp.	BR	GM	1	N. E. Woodley	3981
Diptera	Sarcophagidae	<i>Erythrandra picipes</i> Brauer & Bergenstamm	CT	GM	1	G.A. Dahlem	1946
Diptera	Sarcophagidae	<i>Erythrandra picipes</i> Brauer & Bergenstamm	CT	GM	1	G.A. Dahlem	4020
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	1941
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4035
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4036
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4037
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4038
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4039

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4040
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4041
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4042
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4043
Diptera	Sarcophagidae	<i>Helicobia rapax</i> (Walker)	CT	GM	1	G.A. Dahlem	4044
Diptera	Sarcophagidae	<i>Helicobia</i> sp.	CT	GM	1	N. E. Woodley	4010
Diptera	Sarcophagidae	<i>Mecynocarpus salvum</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4045
Diptera	Sarcophagidae	<i>Mecynocarpus salvum</i> (Aldrich)	CT	GM	1	G.A. Dahlem	4046
Diptera	Sarcophagidae	<i>Oxysarcodexia</i> sp.	BR	LT	1	G. A. Dahlem	1965
Diptera	Sarcophagidae	<i>Oxysarcodexia</i> sp.	CT	GM	1	G.A. Dahlem	1947
Diptera	Sarcophagidae	<i>Oxysarcodexia</i> sp.	CT	GM	1	G.A. Dahlem	4064
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4047
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4048
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4049
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4050
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4051
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4052
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4053
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4054
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4055
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4056
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4057
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4058
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4059
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4060
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4061
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4062
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	GM	1	G.A. Dahlem	4063
Diptera	Sarcophagidae	<i>Oxysarcodexia ventricosa</i> (Wulp)	CT	SB	1	G.A. Dahlem	1943
Diptera	Sarcophagidae	<i>Ravinia derelicta</i> (Walker)	CT	GM	1	G.A. Dahlem	4065
Diptera	Sarcophagidae	<i>Ravinia querula</i> (Walker)	CT	GM	1	G.A. Dahlem	1944
Diptera	Sarcophagidae	<i>Ravinia querula</i> (Walker)	CT	GM	1	G.A. Dahlem	4066
Diptera	Sarcophagidae	<i>Ravinia querula</i> (Walker)	CT	GM	1	G.A. Dahlem	4067
Diptera	Sarcophagidae	<i>Ravinia querula</i> (Walker)	CT	TR	1	G.A. Dahlem	1945
Diptera	Sarcophagidae	<i>Ravinia stimulans</i> (Walker)	BR	GM	1	G. A. Dahlem	4072
Diptera	Sarcophagidae	<i>Ravinia stimulans</i> (Walker)	CT	GM	1	G.A. Dahlem	4068
Diptera	Sarcophagidae	<i>Ravinia stimulans</i> (Walker)	CT	GM	1	G.A. Dahlem	4069
Diptera	Sarcophagidae	<i>Ravinia stimulans</i> (Walker)	CT	GM	1	G.A. Dahlem	4070
Diptera	Sarcophagidae	<i>Ravinia stimulans</i> (Walker)	CT	GM	1	G.A. Dahlem	4071
Diptera	Sarcophagidae	<i>Sarcophaga (Bercaeopsis) mimoris</i> Reinhard	BR	GM	1	G. A. Dahlem	4073
Diptera	Scathophagidae	<i>Scathophaga</i> sp.	BR	SW	1	RP Withington III	2013
Diptera	Scathophagidae	<i>Scathophaga</i> sp.	BR	CM	1	RP Withington III	2014
Diptera	Scathophagidae	<i>Scathophaga</i> sp.	BR	GM	1	RP Withington III	2015
Diptera	Scatopsidae	<i>Apiloscatopse</i> sp.	BR	GM	2	RP Withington III	2158
Diptera	Scatopsidae	<i>Apiloscatopse</i> sp.	BR	GM	1	RP Withington III	2159
Diptera	Scatopsidae	<i>Apiloscatopse</i> sp.	BR	GM	2	RP Withington III	2157

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Sciaridae	<i>Pnyxia</i> sp.	BR	TR	1		2381
Diptera	Sciaridae	<i>Pnyxia</i> sp.	BR	SW	1		2342
Diptera	Sciomyzidae	<i>Euthycera arcuata</i>	BR	SW	1	B. A. Foote	2149
Diptera	Sciomyzidae	<i>Euthycera arcuata</i>	BR	SW	1	B. A. Foote	2152
Diptera	Sciomyzidae	<i>Euthycera arcuata</i>	BR	SW	1	B. A. Foote	2156
Diptera	Sciomyzidae	<i>Euthycera arcuata</i>	BR	SW	1	B. A. Foote	2155
Diptera	Sciomyzidae	<i>Euthycera arcuata</i>	BR	GM	1	B. A. Foote	2150
Diptera	Sciomyzidae	<i>Euthycera arcuata</i>	BR	GM	1	B. A. Foote	2151
Diptera	Sciomyzidae	<i>Limnia boscii</i>	CT	GM	1	B. A. Foote	2641
Diptera	Sciomyzidae	<i>Limnia</i> sp.	WF	SW	1		6996
Diptera	Sciomyzidae	<i>Limnia</i> sp.	CT	SW	1	B. A. Foote	2639
Diptera	Sciomyzidae	<i>Limnia</i> sp.	CT	SW	1	B. A. Foote	2640
Diptera	Sciomyzidae	<i>Tetanocera</i> sp.	VD	SW	1		6875
Diptera	Sciomyzidae	<i>Tetanocera</i> sp.	WF	SW	1		7236
Diptera	Sciomyzidae	<i>Trypetoptera canadensis</i>	CT	SW	1	B. A. Foote	2642
Diptera	Sciomyzidae	<i>Trypetoptera canadensis</i>	CT	SW	1	B. A. Foote	7069
Diptera	Sciomyzidae	<i>Trypetoptera</i> sp.	VD	SW	1		7717
Diptera	Sciomyzidae	<i>Trypetoptera</i> sp.	VD	SW	1		6870
Diptera	Sepsidae	<i>Enicomira minor</i> (Haliday)	BR	GM	1	RP Withington III	4105
Diptera	Sepsidae	<i>Sepsis</i> sp.	BR	GM	1	RP Withington III	2251
Diptera	Sepsidae	<i>Sepsis</i> sp.	BR	GM	1	RP Withington III	2253
Diptera	Sepsidae	<i>Sepsis</i> sp.	BR	GM	1	RP Withington III	2254
Diptera	Sepsidae	<i>Sepsis</i> sp.	BR	GM	1	RP Withington III	2252
Diptera	Sepsidae	<i>Sepsis</i> sp.	BR	GM	1	RP Withington III	2250
Diptera	Sepsidae	<i>Sepsis</i> sp.	CT	GM	5	RP Withington III	2739
Diptera	Sepsidae	<i>Sepsis</i> sp.	CT	SW	2	RP Withington III	2740
Diptera	Sepsidae	<i>Sepsis</i> sp.	CT	SW	1	RP Withington III	2737
Diptera	Sepsidae	<i>Sepsis</i> sp.	CT	SW	1	RP Withington III	2738
Diptera	Sepsidae	<i>Sepsis</i> sp.	CT	SW	1	RP Withington III	2736
Diptera	Sepsidae	<i>Sepsis</i> sp.	MC	GM	2		6946
Diptera	Sepsidae	<i>Sepsis</i> sp.	PA	GM	1		7558
Diptera	Sepsidae	<i>Sepsis</i> sp.	WF	GM	4		7410
Diptera	Sphaeroceridae	<i>Maybe Agromyzidae</i>	WF	SB	2		7011
Diptera	Stratiomyidae	<i>Allognosta fuscitarsis</i> Say	CT	GM	1	N. E. Woodley	2688
Diptera	Stratiomyidae	<i>Caloparyphus tetraspilus</i> Loew	BR	GM	1	N. E. Woodley	3967
Diptera	Stratiomyidae	<i>Microchrysa</i> sp.	PA	GM	1		7131
Diptera	Stratiomyidae	<i>Ptecticus</i> sp.	MC	GM	1		6925
Diptera	Stratiomyidae	<i>Ptecticus</i> sp.	MC	GM	1		6928
Diptera	Stratiomyidae	<i>Ptecticus</i> sp.	MC	GM	1		6929
Diptera	Stratiomyidae	<i>Ptecticus trivittatus</i> Say	BR	GM	1	N. E. Woodley	2259
Diptera	Stratiomyidae	<i>Ptecticus trivittatus</i> Say	BR	GM	1	N. E. Woodley	2256
Diptera	Stratiomyidae	<i>Ptecticus trivittatus</i> Say	BR	GM	1	N. E. Woodley	2257
Diptera	Stratiomyidae	<i>Ptecticus trivittatus</i> Say	BR	GM	1	N. E. Woodley	3964
Diptera	Stratiomyidae	<i>Ptecticus trivittatus</i> Say	BR	GM	1	N. E. Woodley	3969
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	2258
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	3961

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	3963
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	3965
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	3966
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	3968
Diptera	Stratiomyidae	<i>Sargus decorus</i> Say	BR	GM	1	N. E. Woodley	3970
Diptera	Syrphidae	<i>Chrysogaster</i> sp.	VD	GM	1		7336
Diptera	Syrphidae	<i>Chrysogaster</i> sp.	WF	GM	1		7398
Diptera	Syrphidae	<i>Chrysogaster</i> sp. 1	BR	GM	1	F. D. Fee	1983
Diptera	Syrphidae	<i>Epistrophe emarginata</i> (Say)	BR	LT	1	F. D. Fee	1984
Diptera	Syrphidae	<i>Eristalis</i> sp.	VD	GM	1		7295
Diptera	Syrphidae	<i>Orthonevra nitida</i> Wied.	BR	LT	1	F. D. Fee	5114
Diptera	Syrphidae	<i>Paragus haemorrhous</i> Meigen	BR	GM	1	F. D. Fee	1980
Diptera	Syrphidae	<i>Paragus haemorrhous</i> Meigen	CT	GM	1	F. D. Fee	2561
Diptera	Syrphidae	<i>Platycheirus obscurus</i> (Say)	BR	GM	1	F. D. Fee	1986
Diptera	Syrphidae	<i>Platycheirus obscurus</i> (Say)	BR	GM	1	F. D. Fee	1975
Diptera	Syrphidae	<i>Somula decora</i> Macq't.	BR	GM	1	F. D. Fee	1978
Diptera	Syrphidae	<i>Sphaerophoria contigua</i> Macq't.	BR	GM	1	F. D. Fee	1987
Diptera	Syrphidae	<i>Syrphus</i> sp.	VD	GM	1		7300
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	IP	1	F. D. Fee	1977
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	1982
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	1974
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	1976
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	5113
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	5116
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	5117
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	BR	GM	1	F. D. Fee	5118
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	CT	GM	1	F. D. Fee	2562
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	CT	GM	1	F. D. Fee	5109
Diptera	Syrphidae	<i>Toxomerus geminatus</i> (Say)	CT	GM	1	F. D. Fee	5112
Diptera	Syrphidae	<i>Toxomerus marginatus</i> (Say)	CT	GM	1	F. D. Fee	5110
Diptera	Syrphidae	<i>Toxomerus marginatus</i> (Say)	CT	GM	1	F. D. Fee	5111
Diptera	Syrphidae	<i>Xanthogramma flavipes</i> (Loew)	BR	GM	1	F. D. Fee	1981
Diptera	Syrphidae	<i>Xanthogramma flavipes</i> (Loew)	BR	GM	1	F. D. Fee	1985
Diptera	Syrphidae	<i>Xanthogramma flavipes</i> (Loew)	BR	GM	1	F. D. Fee	5115
Diptera	Syrphidae	<i>Xanthogramma flavipes</i> (Loew)	CT	GM	1	F. D. Fee	2563
Diptera	Syrphidae	<i>Xanthogramma flavipes</i> (Loew)	CT	GM	1	F. D. Fee	2560
Diptera	Tabanidae	<i>Chrysops</i> (<i>Chrysops</i>) sp.	BR	GM	1	RP Withington III	2317
Diptera	Tabanidae	<i>Chrysops callidus</i> Osten Saeren	BR	GM	1	JF Burger	2806
Diptera	Tabanidae	<i>Chrysops</i> sp.	MC	GM	1		6896
Diptera	Tabanidae	<i>Chrysops univittatus</i> Macquart	BR	GM	1	JF Burger	1998
Diptera	Tabanidae	<i>Chrysops univittatus</i> Macquart	BR	GM	1	JF Burger	3378
Diptera	Tabanidae	<i>Chrysops univittatus</i> Macquart	BR	GM	1	JF Burger	3385
Diptera	Tabanidae	<i>Hybomitra lasiophthalma</i> (Macquart)	BR	GM	1	JF Burger	1991
Diptera	Tabanidae	<i>Hybomitra lasiophthalma</i> (Macquart)	BR	GM	1	JF Burger	3382
Diptera	Tabanidae	<i>Hybomitra lasiophthalma</i> (Macquart)	BR	GM	1	JF Burger	3384
Diptera	Tabanidae	<i>Hybomitra</i> sp.	BR	LF	1	RP Withington III	2082

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Tabanidae	<i>Hybomitra</i> sp.	BR	SB	1	RP Withington III	2081
Diptera	Tabanidae	<i>Tabanus lineola</i> Fabricius	BR	GM	1	JF Burger	2000
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	1999
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	1993
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	1994
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	3370
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	3371
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	3372
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	3373
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	3374
Diptera	Tabanidae	<i>Tabanus pumilus</i> Macquart	BR	GM	1	JF Burger	2807
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	BR	GM	1	JF Burger	1997
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	BR	GM	1	JF Burger	3383
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	BR	GM	1	JF Burger	2808
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	CT	GM	1	JF Burger	2559
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	CT	GM	1	JF Burger	2558
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	CT	GM	1	JF Burger	2557
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	CT	GM	1	JF Burger	3368
Diptera	Tabanidae	<i>Tabanus quinquevittatus</i> Wiedemann	CT	GM	1	JF Burger	3369
Diptera	Tabanidae	<i>Tabanus</i> sp.	BR	LT	1	RP Withington III	5151
Diptera	Tabanidae	<i>Tabanus</i> sp.	PA	GM	1		7101
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	1992
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	1996
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	3375
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	3377
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	3379
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	3380
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	3381
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	2809
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	2810
Diptera	Tabanidae	<i>Tabanus sparus</i> Whitney	BR	GM	1	JF Burger	2811
Diptera	Tabanidae	<i>Tabanus subsimilis</i> Bellardi	BR	GM	1	JF Burger	1995
Diptera	Tabanidae	<i>Tabanus trimaculatus</i> Palisot de Beauvois	BR	GM	1	JF Burger	3376
Diptera	Tachinidae	<i>Campylochaeta plathypenae</i> Sabrosky	CT	GM	1	N. E. Woodley	4009
Diptera	Tachinidae	<i>Campylochaeta plathypenae</i> Sabrosky	CT	GM	1	N. E. Woodley	4014
Diptera	Tachinidae	<i>Catharosia</i> n. sp.	CT	GM	1	N. E. Woodley	2654
Diptera	Tachinidae	<i>Catharosia</i> sp. near <i>nebulosa</i> Coquillett	CT	GM	1	N. E. Woodley	2656
Diptera	Tachinidae	<i>Catharosia</i> sp. near <i>nebulosa</i> Coquillett	CT	SW	1	N. E. Woodley	2655
Diptera	Tachinidae	<i>Ceracia dentata</i> Coquillett	CT	GM	1	N. E. Woodley	4013
Diptera	Tachinidae	<i>Chrysotachina alcedo</i> Loew	BR	GM	1	N. E. Woodley	2132
Diptera	Tachinidae	<i>Copecrypta ruficauda</i> Wulp	CT	GM	1	N. E. Woodley	2657
Diptera	Tachinidae	<i>Euthera</i> sp.	BR	BE	1	N. E. Woodley	2131
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	2129
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	2139
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	3991
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	3992

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	3995
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	3996
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	3998
Diptera	Tachinidae	<i>Genea pavonacea</i> Reinhard	BR	GM	1	N. E. Woodley	4001
Diptera	Tachinidae	<i>Lypha</i> sp.	BR	GM	1	N. E. Woodley	2128
Diptera	Tachinidae	<i>Lypha</i> sp.	BR	GM	1	N. E. Woodley	3990
Diptera	Tachinidae	<i>Lypha</i> sp.	BR	GM	1	N. E. Woodley	4002
Diptera	Tachinidae	<i>Neomintho celeris</i> Townsend	BR	GM	1	N. E. Woodley	2138
Diptera	Tachinidae	<i>Neomintho celeris</i> Townsend	BR	GM	1	N. E. Woodley	3999
Diptera	Tachinidae	<i>Paradidyma singularis</i> Townsend	CT	GM	1	N. E. Woodley	4008
Diptera	Tachinidae	<i>Paradidyma</i> sp.	BR	GM	1	N. E. Woodley	2140
Diptera	Tachinidae	<i>Periscepsia laevigata</i> Wulp	CT	GM	1	N. E. Woodley	4003
Diptera	Tachinidae	<i>Phytomyptera johnsoni</i> Coquillett	CT	GM	1	N. E. Woodley	4015
Diptera	Tachinidae	<i>Phytomyptera</i> sp.	BR	GM	1	N. E. Woodley	4000
Diptera	Tachinidae	<i>Pseudapinops niger</i> Coquillett	BR	GM	1	N. E. Woodley	2135
Diptera	Tachinidae	<i>Pseudapinops niger</i> Coquillett	BR	GM	1	N. E. Woodley	3997
Diptera	Tachinidae	<i>Spathidexia clemonsi</i> Townsend	CT	GM	1	N. E. Woodley	4005
Diptera	Tachinidae	<i>Spathidexia clemonsi</i> Townsend	CT	GM	1	N. E. Woodley	4006
Diptera	Tachinidae	<i>Spathidexia clemonsi</i> Townsend	CT	GM	1	N. E. Woodley	4011
Diptera	Tachinidae	<i>Spathidexia clemonsi</i> Townsend	CT	GM	1	N. E. Woodley	4012
Diptera	Tachinidae	<i>Spathidexia clemonsi</i> Townsend	CT	GM	1	N. E. Woodley	4016
Diptera	Tachinidae	<i>Strongygaster triangulifer</i> Loew	CT	GM	1	N. E. Woodley	4017
Diptera	Tachinidae	<i>Xanthomelanodes arcuatus</i> Say	BR	GM	1	N. E. Woodley	2134
Diptera	Tachinidae	<i>Xanthomelanodes arcuatus</i> Say	BR	GM	1	N. E. Woodley	3993
Diptera	Tachinidae	<i>Xanthophyto</i> sp.	BR	GM	1	N. E. Woodley	2137
Diptera	Tachinidae	<i>Zelia zonata</i> Coquillett	BR	GM	1	N. E. Woodley	2130
Diptera	Tachinidae	<i>Zelia zonata</i> Coquillett	CT	GM	1	N. E. Woodley	4004
Diptera	Tephritidae	<i>Euaesta aequalis</i> (Loew)	CT	SW	1	G. J. Steck	2689
Diptera	Tephritidae	<i>Euaesta</i> sp.	VD	SW	1		6881
Diptera	Tipulidae	<i>Atarba (Atarba) picticornis</i> Osten Sacken	BR	GM	1	C. Young	1925
Diptera	Tipulidae	<i>Atarba (Atarba) picticornis</i> Osten Sacken	BR	GM	1	C. Young	1926
Diptera	Tipulidae	<i>Atarba (Atarba) picticornis</i> Osten Sacken	BR	LT	2	C. Young	6760
Diptera	Tipulidae	<i>Austrolimnophila (Austrolimnophila) toxoneura</i> (Osten Sacken)	BR	LT	1	C. Young	6763
Diptera	Tipulidae	<i>Dolichopeza (Oropeza) walleyi</i> (Alexander)	CT	LT	1	C. Young	6756
Diptera	Tipulidae	<i>Dolichopeza (Oropeza) tridenticulata</i> Alexander	BR	LT	1	C. Young	6759
Diptera	Tipulidae	<i>Epiphragma (Epiphragma) solatrix</i> (Osten Sacken)	BR	LT	5	C. Young	6758
Diptera	Tipulidae	<i>Epiphragma (Epiphragma) solatrix</i> (Osten Sacken)	CT	GM	1	C. Young	1919
Diptera	Tipulidae	<i>Epiphragma (Epiphragma) solatrix</i> (Osten Sacken)	CT	GM	1	C. Young	1921
Diptera	Tipulidae	<i>Epiphragma (Epiphragma) solatrix</i> (Osten Sacken)	CT	LT	1	C. Young	1922
Diptera	Tipulidae	<i>Erioptera (Eioptera) septemtrionis</i> Osten Sacken	BR	LT	2	C. Young	6766
Diptera	Tipulidae	<i>Erioptera (Erioptera) vespertina</i> Osten Sacken	CT	GM	1	C. Young	1920
Diptera	Tipulidae	<i>Erioptera (Mysocyphora) needhami</i> Alexander	BR	SW	1	C. Young	1933
Diptera	Tipulidae	<i>Erioptera (Psiloconopa) venusta</i> Osten Sacken	BR	SW	1	C. Young	1932
Diptera	Tipulidae	<i>Limonia (Metalimnobia) novaeangliae</i> Alexander	CT	LT	1	C. Young	6757
Diptera	Tipulidae	<i>Limonia (Rhipidia) bryanti</i> (Johnson)	BR	LT	1	C. Young	6762
Diptera	Tipulidae	<i>Limonia (Rhipidia) lecontei</i> Alexander	BR	LT	1	C. Young	6761

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Diptera	Tipulidae	<i>Nephrotoma alternata</i> (Walker)	BR	GM	1	C. Young	1923
Diptera	Tipulidae	<i>Nephrotoma euceroidea</i> Alexander	BR	GM	1	C. Young	1929
Diptera	Tipulidae	<i>Nephrotoma euceroidea</i> Alexander	BR	GM	1	C. Young	1924
Diptera	Tipulidae	<i>Nephrotoma euceroidea</i> Alexander	BR	GM	1	C. Young	1928
Diptera	Tipulidae	<i>Pilaria imbecilla</i> (Osten Sacken)	BR	LT	1	C. Young	6764
Diptera	Tipulidae	<i>Teucholabis (Teucholabis) complexa</i> Osten Sacken	BR	LT	1	C. Young	6765
Diptera	Tipulidae	<i>Tipula (Pterelachisus) trivittata</i> Say	BR	GM	1	C. Young	1927
Diptera	Tipulidae	<i>Tipula (Pterelachisus) trivittata</i> Say	BR	LT	1	C. Young	1930
Ephemeroptera	Baetidae	sp. 1	BR	LT	1		6133
Hemiptera	Anthocoridae	sp. 1	CT	BE	1		889
Hemiptera	Anthocoridae	sp. 1	CT	SW	1		4080
Hemiptera	Anthocoridae	sp. 2	BR	IP	1		4766
Hemiptera	Berytidae	sp. 1	BR	SW	1		6154
Hemiptera	Berytidae	sp. 1	BR	SW	1		6155
Hemiptera	Berytidae	sp. 1	BR	SW	4		6156
Hemiptera	Berytidae	sp. 1	BR	BE	1		6157
Hemiptera	Cydnidae	sp. 1	BR	LT	1		6229
Hemiptera	Cydnidae	sp. 1	BR	LT	1		6158
Hemiptera	Cydnidae	sp. 1	CT	LT	1		4731
Hemiptera	Cydnidae	sp. 2	BR	GM	1		6159
Hemiptera	Gerridae	sp. 1	BR	PO	7		6160
Hemiptera	Lygaeidae	<i>Geocoris</i> sp. 1	CT	GM	1		772
Hemiptera	Lygaeidae	<i>Geocoris</i> sp. 1	CT	GM	1		773
Hemiptera	Lygaeidae	sp. 1	CT	GM	1		771
Hemiptera	Lygaeidae	sp. 2	CT	GM	1		769
Hemiptera	Lygaeidae	sp. 3	BR	LF	1		6177
Hemiptera	Lygaeidae	sp. 3	BR	SW	3		6166
Hemiptera	Lygaeidae	sp. 3	BR	LF	1		4767
Hemiptera	Lygaeidae	sp. 3	BR	LF	1		4769
Hemiptera	Lygaeidae	sp. 4	BR	SB	2		6168
Hemiptera	Lygaeidae	sp. 5	BR	TR	1		6171
Hemiptera	Miridae	sp. 1	BR	GM	1		6176
Hemiptera	Miridae	sp. 1	BR	LT	1		6174
Hemiptera	Miridae	sp. 1	CT	LT	1		4730
Hemiptera	Miridae	sp. 2	BR	TR	1		6172
Hemiptera	Miridae	sp. 3	BR	LT	3		6179
Hemiptera	Miridae	sp. 3	BR	GM	1		4764
Hemiptera	Miridae	sp. 3	BR	LT	3		4733
Hemiptera	Miridae	sp. 4	BR	GM	1		4727
Hemiptera	Miridae	sp. 4	BR	GM	1		4728
Hemiptera	Miridae	sp. 5	BR	CM	1		6173
Hemiptera	Miridae	sp. 6	BR	GM	1		6178
Hemiptera	Miridae	sp. 7	BR	SW	1		6175
Hemiptera	Miridae	sp. 8	BR	TR	1		6184
Hemiptera	Miridae	sp. 9	BR	CO	1		4732
Hemiptera	Nabidae	sp. 1	BR	SW	1		6212

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hemiptera	Nabidae	sp. 1	BR	IP	1		6222
Hemiptera	Nabidae	sp. 1	BR	SW	2		6215
Hemiptera	Nabidae	sp. 1	BR	LF	1		6213
Hemiptera	Nabidae	sp. 1	BR	SW	1		6221
Hemiptera	Nabidae	sp. 1	BR	SW	1		6217
Hemiptera	Nabidae	sp. 1	BR	BE	1		6218
Hemiptera	Nabidae	sp. 1	BR	BE	1		6214
Hemiptera	Nabidae	sp. 1	BR	SW	1		6216
Hemiptera	Nabidae	sp. 1	BR	SW	1		6216
Hemiptera	Nabidae	sp. 1	BR	BE	2		6219
Hemiptera	Nabidae	sp. 1	CT	BE	1		883
Hemiptera	Nabidae	sp. 1	CT	BE	1		888
Hemiptera	Nabidae	sp. 1	CT	SB	1		890
Hemiptera	Nabidae	sp. 1	CT	SW	1		4076
Hemiptera	Nabidae	sp. 2	BR	SB	1		6220
Hemiptera	Nabidae	sp. 2	BR	LF	1		6223
Hemiptera	Nabidae	sp. 2	BR	TR	1		6224
Hemiptera	Pentatomidae	sp. 1	BR	SW	2		6196
Hemiptera	Pentatomidae	sp. 1	BR	GM	1		6198
Hemiptera	Pentatomidae	sp. 1	CT	GM	2		770
Hemiptera	Pentatomidae	sp. 2	BR	SW	2		6192
Hemiptera	Pentatomidae	sp. 2	CT	GM	1		6743
Hemiptera	Pentatomidae	sp. 2	CT	PO	1		885
Hemiptera	Reduviidae	sp. 1	BR	BE	1		6226
Hemiptera	Reduviidae	sp. 2	CT	SB	1		892
Hemiptera	Tingidae	sp. 1	CT	TR	2		894
Hemiptera	Tingidae	sp. 2	BR	SW	1		6237
Hemiptera	Tingidae	sp. 2	BR	TR	1		6233
Hemiptera	Tingidae	sp. 2	BR	LC	1		6230
Hemiptera	Tingidae	sp. 2	BR	SW	1		6231
Hemiptera	Tingidae	sp. 2	BR	BE	1		6235
Hemiptera	Tingidae	sp. 2	BR	TR	3		6234
Hemiptera	Tingidae	sp. 2	BR	BE	1		6232
Hemiptera	Tingidae	sp. 2	BR	TR	1		6228
Hemiptera	Tingidae	sp. 2	BR	TR	1		6236
Homoptera	Acanaloniidae	sp. 1	BR	SW	1		6239
Homoptera	Acanaloniidae	sp. 1	BR	SW	1		6238
Homoptera	Acanaloniidae	sp. 1	CT	SW	1		700
Homoptera	Aleyrodidae	sp. 1	BR	GM	1		6240
Homoptera	Aleyrodidae	sp. 1	BR	GM	2		6241
Homoptera	Aleyrodidae	sp. 1	BR	GM	4		728
Homoptera	Aleyrodidae	sp. 1	BR	GM	1		736
Homoptera	Aleyrodidae	sp. 1	CT	GM	1		6626
Homoptera	Aleyrodidae	sp. 1	CT	GM	5		6627
Homoptera	Aleyrodidae	sp. 1	CT	SW	1		660
Homoptera	Aleyrodidae	sp. 1	CT	SW	1		6628

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Aleyrodidae	sp. 2	CT	IP	1		724
Homoptera	Aleyrodidae	sp. 3	CT	GM	18		626
Homoptera	Aleyrodidae	sp. 3	CT	GM	28		609
Homoptera	Aleyrodidae	sp. 3	CT	GM	14		616
Homoptera	Aleyrodidae	sp. 3	CT	GM	1		723
Homoptera	Aleyrodidae	sp. 3	CT	GM	1		348
Homoptera	Aleyrodidae	sp. 3	CT	GM	1		356
Homoptera	Aleyrodidae	sp. 3	CT	SW	1		600
Homoptera	Aleyrodidae	sp. 3	CT	SW	2		670
Homoptera	Aleyrodidae	sp. 3	CT	SW	2		679
Homoptera	Aleyrodidae	sp. 3	CT	SW	1		713
Homoptera	Aleyrodidae	sp. 3	CT	SW	1		726
Homoptera	Aphididae	sp. 1	BR	GM	1		6257
Homoptera	Aphididae	sp. 1	BR	GM	1		6259
Homoptera	Aphididae	sp. 1	BR	SW	1		6245
Homoptera	Aphididae	sp. 1	BR	SW	1		6254
Homoptera	Aphididae	sp. 1	BR	GM	3		729
Homoptera	Aphididae	sp. 1	BR	GM	1		730
Homoptera	Aphididae	sp. 1	BR	GM	2		731
Homoptera	Aphididae	sp. 1	BR	GM	2		735
Homoptera	Aphididae	sp. 1	BR	GM	1		738
Homoptera	Aphididae	sp. 1	BR	GM	1		1050
Homoptera	Aphididae	sp. 1	BR	SW	1		1762
Homoptera	Aphididae	sp. 1	BR	CO	1		6576
Homoptera	Aphididae	sp. 1	CT	GM	2		628
Homoptera	Aphididae	sp. 1	CT	GM	1		607
Homoptera	Aphididae	sp. 1	CT	GM	1		608
Homoptera	Aphididae	sp. 1	CT	GM	2		617
Homoptera	Aphididae	sp. 1	CT	SW	2		777
Homoptera	Aphididae	sp. 10	BR	SW	1		6269
Homoptera	Aphididae	sp. 11	BR	SW	1		6289
Homoptera	Aphididae	sp. 12	BR	TR	1		6256
Homoptera	Aphididae	sp. 13	BR	GM	1		6252
Homoptera	Aphididae	sp. 13	BR	GM	1		6243
Homoptera	Aphididae	sp. 13	BR	GM	1		6257
Homoptera	Aphididae	sp. 2	CT	SW	1		353
Homoptera	Aphididae	sp. 3	BR	GM	1		6262
Homoptera	Aphididae	sp. 3	BR	TR	1		6247
Homoptera	Aphididae	sp. 3	BR	IP	1		6255
Homoptera	Aphididae	sp. 3	BR	SW	1		6283
Homoptera	Aphididae	sp. 3	BR	SW	1		6251
Homoptera	Aphididae	sp. 3	BR	GM	1		6261
Homoptera	Aphididae	sp. 3	BR	SW	1		6260
Homoptera	Aphididae	sp. 3	CT	SW	1		654
Homoptera	Aphididae	sp. 3	CT	SW	1		357
Homoptera	Aphididae	sp. 4	CT	SW	1		6741

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Aphididae	sp. 5	BR	TR	2		6253
Homoptera	Aphididae	sp. 5	BR	TR	2		6280
Homoptera	Aphididae	sp. 5	BR	GM	1		6286
Homoptera	Aphididae	sp. 5	BR	SW	1		6281
Homoptera	Aphididae	sp. 5	CT	SW	1		6730
Homoptera	Aphididae	sp. 6	BR	GM	1		6738
Homoptera	Aphididae	sp. 6	CT	SW	1		6731
Homoptera	Aphididae	sp. 7	BR	SW	1		6244
Homoptera	Aphididae	sp. 7	BR	GM	1		741
Homoptera	Aphididae	sp. 7	BR	LT	1		1256
Homoptera	Aphididae	sp. 7	CT	GM	2		621
Homoptera	Aphididae	sp. 7	CT	GM	1		722
Homoptera	Aphididae	sp. 7	CT	GM	1		6734
Homoptera	Aphididae	sp. 7	CT	GM	2		6732
Homoptera	Aphididae	sp. 7	CT	LT	1		4086
Homoptera	Aphididae	sp. 8	CT	GM	1		6733
Homoptera	Aphididae	sp. 9	BR	GM	1		6249
Homoptera	Aphididae	sp. 9	BR	GM	1		6246
Homoptera	Aphididae	sp. 9	BR	SW	1		6248
Homoptera	Aphididae	sp. 9	BR	IP	1		6740
Homoptera	Aphididae	sp. 9	BR	SW	1		6736
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	BR	GM	1		6299
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	BR	BE	1		6307
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	BR	GM	2	M. Hutchinson	6297
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	BR	GM	1		6303
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	BR	GM	1		6311
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	CT	GM	1		629
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	CT	LT	1		636
Homoptera	Cercopidae	<i>Clastoptera</i> sp. 1	CT	TR	1		646
Homoptera	Cercopidae	<i>Lepyronia</i> sp. 1	BR	LT	2	M. Hutchinson	6295
Homoptera	Cercopidae	<i>Lepyronia</i> sp. 1	BR	LT	2	M. Hutchinson	6300
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	CM	1	C. Violette	6301
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	TR	1	M. Hutchinson	6302
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	GM	1	M. Hutchinson	6294
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	GM	1	M. Hutchinson	6316
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	SW	1	M. Hutchinson	6315
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	GM	1	C. Violette	6314
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	GM	2	M. Hutchinson	6317
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	SW	1	M. Hutchinson	6312
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	SW	1	C. Violette	6310
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	GM	1	C. Violette	6304
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	SW	3	M. Hutchinson	6298
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	BR	SW	1	C. Violette	6309
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	1		579
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	2		580
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	5		581

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	2		582
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	1		583
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	2		585
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	2		587
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	BE	1		719
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	GM	36		625
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	GM	2		630
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	GM	10		613
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	GM	6		615
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SB	1		633
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SB	4		635
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	22		590
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	4		606
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	8		658
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	1		663
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	27		685
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	3		686
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	5		695
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	26		674
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	9		699
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	2		708
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	SW	13		709
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	TR	2		644
Homoptera	Cercopidae	<i>Philaenus spumarius</i> (L.)	CT	TR	1		647
Homoptera	Cicadellidae	<i>Agallia constricta</i> (Van D.)	CT	GM	5		624
Homoptera	Cicadellidae	<i>Agallia constricta</i> (Van D.)	CT	SW	1		594
Homoptera	Cicadellidae	<i>Agallia constricta</i> (Van D.)	CT	SW	3		682
Homoptera	Cicadellidae	<i>Agallia constricta</i> (Van D.)	CT	SW	6		714
Homoptera	Cicadellidae	<i>Agallia constricta</i> (Van D.)	CT	SW	1		6631
Homoptera	Cicadellidae	<i>Agallia constricta</i> (VanD.)	BR	BE	1	C. Violette	6400
Homoptera	Cicadellidae	<i>Agallia constricta</i> (VanD.)	BR	IP	1	M. Hutchinson	6379
Homoptera	Cicadellidae	<i>Agallia constricta</i> (VanD.)	BR	SW	1	M. Hutchinson	6343
Homoptera	Cicadellidae	<i>Agallia constricta</i> (VanD.)	BR	SW	1	M. Hutchinson	6344
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	BR	GM	1	C. Violette	6407
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	BE	3		566
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	BE	1		573
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	BE	2		718
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	SW	2		605
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	SW	1		683
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	SW	1		694
Homoptera	Cicadellidae	<i>Amblysellus curtisii</i> (Fitch)	CT	SW	1		706
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	GM	3	C. Violette	6386
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	GM	1		6388
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	GM	1	RP Withington III	6383
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	GM	1	C. Violette	6382
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	GM	3	C. Violette	6405

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	SW	8		6340
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	SW	1	RP Withington III	6391
Homoptera	Cicadellidae	<i>Arthaldeus pascuella</i> (Fall)	BR	SW	1	C. Violette	6381
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	1	M. Hutchinson	6385
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	1	M. Hutchinson	6384
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	1	M. Hutchinson	6338
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	1	M. Hutchinson	6370
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	2	C. Violette	6377
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	1		6404
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	GM	1	M. Hutchinson	6395
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	BR	LT	2	C. Violette	6378
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	BE	1		575
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	GM	1		619
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	GM	1		614
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	GM	1	M. Hutchinson	6676
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	LT	1	M. Hutchinson	6698
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	10		591
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	5		659
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	1		664
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	14		665
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	5		651
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	9		684
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	13		698
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	1		707
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	3		715
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	1		717
Homoptera	Cicadellidae	<i>Draeculacephala</i> sp. 1	CT	SW	1		6630
Homoptera	Cicadellidae	<i>Endria inimica</i> (Say)	CT	GM	3		622
Homoptera	Cicadellidae	<i>Endria inimica</i> (Say)	CT	GM	1		6633
Homoptera	Cicadellidae	<i>Graminella nigrifrons</i> (Forbes)	CT	GM	1		620
Homoptera	Cicadellidae	<i>Graminella nigrifrons</i> (Forbes)	CT	SW	1		593
Homoptera	Cicadellidae	<i>Graminella nigrifrons</i> (Forbes)	CT	SW	3		671
Homoptera	Cicadellidae	<i>Graminella nigrifrons</i> (Forbes)	CT	SW	3		681
Homoptera	Cicadellidae	<i>Graminella nigrifrons</i> (Forbes)	CT	SW	1		705
Homoptera	Cicadellidae	<i>Graminella nigrifrons</i> (Forbes)	CT	SW	1		6632
Homoptera	Cicadellidae	<i>Graphocephala coccinea</i> (Forst.)	BR	GM	2	C. Violette	6380
Homoptera	Cicadellidae	<i>Graphocephala coccinea</i> (Forst.)	BR	GM	1	C. Violette	6396
Homoptera	Cicadellidae	<i>Graphocephala coccinea</i> (Forst.)	BR	BE	1		6328
Homoptera	Cicadellidae	<i>Graphocephala coccinea</i> (Forst.)	BR	GM	3	C. Violette	6337
Homoptera	Cicadellidae	<i>Graphocephala coccinea</i> (Forst.)	BR	GM	1		6707
Homoptera	Cicadellidae	<i>Jassus</i> ? sp.	CT	TR	1	M. Hutchinson	4085
Homoptera	Cicadellidae	<i>Jassus</i> sp. 1	CT	TR	2	M. Hutchinson	4088
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	GM	1	C. Violette	6398
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	GM	1	C. Violette	6394
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	GM	1	C. Violette	6397
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	SW	1	M. Hutchinson	6368

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	SW	1	M. Hutchinson	6349
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	GM	1	C. Violette	6390
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	BR	SW	1	M. Hutchinson	6332
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	GM	1	M. Hutchinson	6661
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	2	M. Hutchinson	603
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	1		604
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	2	M. Hutchinson	687
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	1		693
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	1	M. Hutchinson	716
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	1	M. Hutchinson	6679
Homoptera	Cicadellidae	<i>Latalus sayii</i> (Fitch)	CT	SW	1	M. Hutchinson	6687
Homoptera	Cicadellidae	sp. 1	CT	IP	1		639
Homoptera	Cicadellidae	sp. 1	CT	IP	1		641
Homoptera	Cicadellidae	sp. 10	CT	GM	4		6670
Homoptera	Cicadellidae	sp. 10	CT	SW	4		6653
Homoptera	Cicadellidae	sp. 10	CT	SW	1		6654
Homoptera	Cicadellidae	sp. 10	CT	SW	1		6685
Homoptera	Cicadellidae	sp. 11	CT	GM	1		6655
Homoptera	Cicadellidae	sp. 11	CT	GM	1		6656
Homoptera	Cicadellidae	sp. 11	CT	LT	1		637
Homoptera	Cicadellidae	sp. 12	CT	GM	1		6664
Homoptera	Cicadellidae	sp. 13	CT	GM	1		6665
Homoptera	Cicadellidae	sp. 14	CT	GM	1		6671
Homoptera	Cicadellidae	sp. 15	BR	LT	51		6341
Homoptera	Cicadellidae	sp. 15	CT	GM	1		6672
Homoptera	Cicadellidae	sp. 15	CT	LT	2		6697
Homoptera	Cicadellidae	sp. 16	CT	GM	1		7130
Homoptera	Cicadellidae	sp. 17	BR	TR	1		6321
Homoptera	Cicadellidae	sp. 17	BR	SW	1		6406
Homoptera	Cicadellidae	sp. 17	CT	LT	1		6704
Homoptera	Cicadellidae	sp. 18	CT	LT	1		6700
Homoptera	Cicadellidae	sp. 19	CT	LT	1		6701
Homoptera	Cicadellidae	sp. 2	CT	IP	1		6634
Homoptera	Cicadellidae	sp. 20	BR	LT	26		6323
Homoptera	Cicadellidae	sp. 20	CT	LT	1		6702
Homoptera	Cicadellidae	sp. 21	CT	LT	1		6703
Homoptera	Cicadellidae	sp. 22	BR	GM	1		6353
Homoptera	Cicadellidae	sp. 22	BR	SW	1		6345
Homoptera	Cicadellidae	sp. 22	BR	LT	1		6330
Homoptera	Cicadellidae	sp. 22	BR	GM	1		6721
Homoptera	Cicadellidae	sp. 22	BR	SW	1		6724
Homoptera	Cicadellidae	sp. 22	BR	GM	1		6710
Homoptera	Cicadellidae	sp. 22	CT	LT	1		6705
Homoptera	Cicadellidae	sp. 23	BR	GM	1		6366
Homoptera	Cicadellidae	sp. 24	BR	GM	1		6714
Homoptera	Cicadellidae	sp. 25	BR	LT	5		6348

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Cicadellidae	sp. 25	BR	LT	1		6715
Homoptera	Cicadellidae	sp. 26	BR	IP	1		6324
Homoptera	Cicadellidae	sp. 27	BR	LT	1		6718
Homoptera	Cicadellidae	sp. 28	BR	LT	1		6359
Homoptera	Cicadellidae	sp. 29	BR	GM	1		6720
Homoptera	Cicadellidae	sp. 3	BR	GM	1		6350
Homoptera	Cicadellidae	sp. 3	BR	LT	1		6717
Homoptera	Cicadellidae	sp. 3	CT	GM	4		618
Homoptera	Cicadellidae	sp. 3	CT	GM	8		612
Homoptera	Cicadellidae	sp. 3	CT	GM	2		6669
Homoptera	Cicadellidae	sp. 3	CT	LT	2		6694
Homoptera	Cicadellidae	sp. 3	CT	SW	4		592
Homoptera	Cicadellidae	sp. 3	CT	SW	6		692
Homoptera	Cicadellidae	sp. 3	CT	SW	1		6635
Homoptera	Cicadellidae	sp. 3	CT	SW	1		6642
Homoptera	Cicadellidae	sp. 3	CT	SW	2		6647
Homoptera	Cicadellidae	sp. 3	CT	SW	1		6650
Homoptera	Cicadellidae	sp. 30	BR	TR	1		6318
Homoptera	Cicadellidae	sp. 30	BR	GM	1		6726
Homoptera	Cicadellidae	sp. 31	BR	GM	1		6722
Homoptera	Cicadellidae	sp. 32	BR	LT	1		6342
Homoptera	Cicadellidae	sp. 32	BR	LT	1		6723
Homoptera	Cicadellidae	sp. 4	CT	GM	1		6662
Homoptera	Cicadellidae	sp. 4	CT	GM	16		6666
Homoptera	Cicadellidae	sp. 4	CT	GM	3		6689
Homoptera	Cicadellidae	sp. 4	CT	SW	1		6636
Homoptera	Cicadellidae	sp. 4	CT	SW	1		6640
Homoptera	Cicadellidae	sp. 4	CT	SW	1		6648
Homoptera	Cicadellidae	sp. 5	BR	SW	2		6363
Homoptera	Cicadellidae	sp. 5	BR	GM	1		6403
Homoptera	Cicadellidae	sp. 5	BR	GM	1		6331
Homoptera	Cicadellidae	sp. 5	BR	GM	1		6725
Homoptera	Cicadellidae	sp. 5	BR	SW	1		6922
Homoptera	Cicadellidae	sp. 5	CT	GM	1		623
Homoptera	Cicadellidae	sp. 5	CT	GM	3		6659
Homoptera	Cicadellidae	sp. 5	CT	SW	1		666
Homoptera	Cicadellidae	sp. 5	CT	SW	1		1237
Homoptera	Cicadellidae	sp. 5	CT	SW	1		6637
Homoptera	Cicadellidae	sp. 5	CT	SW	3		6641
Homoptera	Cicadellidae	sp. 5	CT	SW	8		6646
Homoptera	Cicadellidae	sp. 5	CT	SW	4		6684
Homoptera	Cicadellidae	sp. 6	BR	GM	4		6399
Homoptera	Cicadellidae	sp. 6	BR	GM	5		6392
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6364
Homoptera	Cicadellidae	sp. 6	BR	CM	2		6335
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6347

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6393
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6334
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6352
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6357
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6369
Homoptera	Cicadellidae	sp. 6	BR	GM	4		6365
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6322
Homoptera	Cicadellidae	sp. 6	BR	GM	3		6402
Homoptera	Cicadellidae	sp. 6	BR	SW	1		6371
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6373
Homoptera	Cicadellidae	sp. 6	BR	GM	5		6453
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6372
Homoptera	Cicadellidae	sp. 6	BR	GM	2		6367
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6374
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6387
Homoptera	Cicadellidae	sp. 6	BR	SW	3		6361
Homoptera	Cicadellidae	sp. 6	BR	SW	1		6375
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6401
Homoptera	Cicadellidae	sp. 6	BR	SW	1		6358
Homoptera	Cicadellidae	sp. 6	BR	UC	1		6389
Homoptera	Cicadellidae	sp. 6	BR	LT	44		6356
Homoptera	Cicadellidae	sp. 6	BR	LT	40		6320
Homoptera	Cicadellidae	sp. 6	BR	LT	3		6339
Homoptera	Cicadellidae	sp. 6	BR	LT	12		6327
Homoptera	Cicadellidae	sp. 6	BR	LT	13		6319
Homoptera	Cicadellidae	sp. 6	BR	SW	1		6713
Homoptera	Cicadellidae	sp. 6	BR	GM	1		6709
Homoptera	Cicadellidae	sp. 6	BR	SW	1		6919
Homoptera	Cicadellidae	sp. 6	BR	SW	1		6920
Homoptera	Cicadellidae	sp. 6	CT	BE	1		1248
Homoptera	Cicadellidae	sp. 6	CT	GM	4		6660
Homoptera	Cicadellidae	sp. 6	CT	GM	2		6678
Homoptera	Cicadellidae	sp. 6	CT	GM	3		6690
Homoptera	Cicadellidae	sp. 6	CT	LT	15		6696
Homoptera	Cicadellidae	sp. 6	CT	SW	1		657
Homoptera	Cicadellidae	sp. 6	CT	SW	9		678
Homoptera	Cicadellidae	sp. 6	CT	SW	8		704
Homoptera	Cicadellidae	sp. 6	CT	SW	5		711
Homoptera	Cicadellidae	sp. 6	CT	SW	1		6638
Homoptera	Cicadellidae	sp. 6	CT	SW	2		6643
Homoptera	Cicadellidae	sp. 6	CT	SW	1		6674
Homoptera	Cicadellidae	sp. 6	CT	SW	5		6681
Homoptera	Cicadellidae	sp. 6	CT	SW	3		6683
Homoptera	Cicadellidae	sp. 7	BR	GM	1		6712
Homoptera	Cicadellidae	sp. 7	BR	GM	1		6706
Homoptera	Cicadellidae	sp. 7	CT	GM	13		6663

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Cicadellidae	sp. 7	CT	GM	15		6668
Homoptera	Cicadellidae	sp. 7	CT	GM	2		6677
Homoptera	Cicadellidae	sp. 7	CT	GM	5		6688
Homoptera	Cicadellidae	sp. 7	CT	LT	21		6693
Homoptera	Cicadellidae	sp. 7	CT	SW	1		662
Homoptera	Cicadellidae	sp. 7	CT	SW	1		648
Homoptera	Cicadellidae	sp. 7	CT	SW	1		6639
Homoptera	Cicadellidae	sp. 7	CT	SW	4		6645
Homoptera	Cicadellidae	sp. 7	CT	SW	1		6649
Homoptera	Cicadellidae	sp. 7	CT	SW	3		6680
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6333
Homoptera	Cicadellidae	sp. 8	BR	GM	4		6346
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6360
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6355
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6336
Homoptera	Cicadellidae	sp. 8	BR	GM	2		6325
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6376
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6326
Homoptera	Cicadellidae	sp. 8	BR	SW	1		6351
Homoptera	Cicadellidae	sp. 8	BR	BE	1		6354
Homoptera	Cicadellidae	sp. 8	BR	LT	2		6716
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6711
Homoptera	Cicadellidae	sp. 8	BR	GM	1		6708
Homoptera	Cicadellidae	sp. 8	BR	SW	1		6921
Homoptera	Cicadellidae	sp. 8	CT	GM	7		6657
Homoptera	Cicadellidae	sp. 8	CT	GM	1		6675
Homoptera	Cicadellidae	sp. 8	CT	GM	8		6692
Homoptera	Cicadellidae	sp. 8	CT	LT	2		6699
Homoptera	Cicadellidae	sp. 8	CT	SW	1		6644
Homoptera	Cicadellidae	sp. 8	CT	SW	2		6652
Homoptera	Cicadellidae	sp. 8	CT	SW	8		6673
Homoptera	Cicadellidae	sp. 8	CT	SW	1		6686
Homoptera	Cicadellidae	sp. 9	BR	LT	1		6329
Homoptera	Cicadellidae	sp. 9	CT	GM	6		631
Homoptera	Cicadellidae	sp. 9	CT	GM	3		6658
Homoptera	Cicadellidae	sp. 9	CT	GM	18		6667
Homoptera	Cicadellidae	sp. 9	CT	GM	8		6691
Homoptera	Cicadellidae	sp. 9	CT	LT	4		6695
Homoptera	Cicadellidae	sp. 9	CT	SW	1		653
Homoptera	Cicadellidae	sp. 9	CT	SW	1		672
Homoptera	Cicadellidae	sp. 9	CT	SW	2		6682
Homoptera	Coccoidea	sp. 1	BR	UC	2		6484
Homoptera	Coccoidea	sp. 2	BR	GM	1		6482
Homoptera	Coccoidea	sp. 2	BR	LC	2		6483
Homoptera	Coccoidea	sp. 2	BR	LC	2		6485
Homoptera	Coccoidea	sp. 2	BR	TR	1		6489

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Homoptera	Delphacidae	<i>Liberniella ornata</i> (Stal)	BR	SW	1	M. Hutchinson	6457
Homoptera	Delphacidae	<i>Liberniella ornata</i> (Stal)	CT	SW	1		667
Homoptera	Delphacidae	<i>Liberniella ornata</i> (Stal)	CT	SW	2	M. Hutchinson	6727
Homoptera	Delphacidae	sp. 1	BR	GM	1		6454
Homoptera	Delphacidae	sp. 2	CT	LT	1		638
Homoptera	Delphacidae	sp. 2	CT	SW	1		721
Homoptera	Delphacidae	sp. 3	CT	BE	1		572
Homoptera	Delphacidae	sp. 3	CT	BE	1		574
Homoptera	Delphacidae	sp. 3	CT	BE	1		588
Homoptera	Delphacidae	sp. 3	CT	SW	1		652
Homoptera	Delphacidae	sp. 3	CT	SW	6		703
Homoptera	Delphacidae	sp. 4	CT	SW	1		595
Homoptera	Delphacidae	sp. 4	CT	SW	2		677
Homoptera	Delphacidae	sp. 4	CT	SW	2		6728
Homoptera	Flatidae	sp. 1	CT	BE	1		570
Homoptera	Flatidae	sp. 2	CT	SB	2		634
Homoptera	Flatidae	sp. 2	CT	TR	1		4089
Homoptera	Membracidae	<i>Atymna</i> sp. 1	BR	LT	1		6465
Homoptera	Membracidae	<i>Cyrtolobus</i> sp. 1	BR	PO	1		6468
Homoptera	Membracidae	<i>Cyrtolobus</i> sp. 1	BR	SW	1		6469
Homoptera	Membracidae	<i>Cyrtolobus</i> sp. 2	BR	UC	1		6466
Homoptera	Membracidae	sp. 1	CT	BE	19		569
Homoptera	Membracidae	sp. 1	CT	SB	1		632
Homoptera	Membracidae	sp. 2	CT	BE	1		586
Homoptera	Psyllidae	sp. 1	BR	UC	2		6472
Homoptera	Psyllidae	sp. 1	BR	LC	1		6471
Homoptera	Psyllidae	sp. 2	BR	GM	1		740
Homoptera	Psyllidae	sp. 2	BR	GM	3		742
Homoptera	Psyllidae	sp. 2	BR	GM	4		727
Homoptera	Psyllidae	sp. 2	BR	GM	10		734
Homoptera	Psyllidae	sp. 2	BR	GM	2		737
Homoptera	Psyllidae	sp. 2	BR	GM	2		739
Homoptera	Psyllidae	sp. 3	CT	GM	1		611
Homoptera	Psyllidae	sp. 3	CT	SW	1		598
Homoptera	Psyllidae	sp. 3	CT	SW	3		673
Homoptera	Psyllidae	sp. 3	CT	SW	4		680
Homoptera	Psyllidae	sp. 4	CT	LC	1		4077
Hymenoptera	Aphelinidae	sp. 1	BR	GM	1		3083
Hymenoptera	Aphelinidae	sp. 1	BR	GM	1		540
Hymenoptera	Aphelinidae	sp. 1	BR	GM	4		518
Hymenoptera	Aphelinidae	sp. 1	BR	GM	2		522
Hymenoptera	Aphelinidae	sp. 1	BR	IP	1		537
Hymenoptera	Aphelinidae	sp. 1	BR	TR	1		205
Hymenoptera	Aphelinidae	sp. 1	CT	SW	1		334
Hymenoptera	Aphelinidae	sp. 1	CT	SW	1		335
Hymenoptera	Aphelinidae	sp. 2	BR	GM	1		508

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Aphelinidae	sp. 2	CT	GM	1		343
Hymenoptera	Aphelinidae	sp. 2	CT	SW	1		328
Hymenoptera	Aphelinidae	sp. 3	BR	SW	1		3082
Hymenoptera	Aphelinidae	sp. 3	BR	SW	1		444
Hymenoptera	Aphelinidae	sp. 3	CT	SW	1		6744
Hymenoptera	Aphelinidae	sp. 4	BR	SW	1		465
Hymenoptera	Aphelinidae	sp. 4	BR	SW	1		6745
Hymenoptera	Aphelinidae	sp. 4	CT	SW	1		338
Hymenoptera	Aphelinidae	sp. 5	BR	GM	1		3081
Hymenoptera	Aphelinidae	sp. 5	BR	GM	1		528
Hymenoptera	Apidae	sp. 1	BR	GM	1		3085
Hymenoptera	Apidae	sp. 2	BR	GM	1		3087
Hymenoptera	Apidae	sp. 2	BR	GM	1		3086
Hymenoptera	Apidae	sp. 2	CT	BE	1		3457
Hymenoptera	Apidae	sp. 2	CT	GM	1		3456
Hymenoptera	Apidae	sp. 3	BR	LT	1		3167
Hymenoptera	Bethylidae	sp. 1	BR	IP	1		3174
Hymenoptera	Bethylidae	sp. 1	BR	BE	1		3169
Hymenoptera	Bethylidae	sp. 1	BR	TR	1		3170
Hymenoptera	Bethylidae	sp. 1	BR	GM	2		3171
Hymenoptera	Bethylidae	sp. 1	BR	GM	1		3168
Hymenoptera	Bethylidae	sp. 1	CT	GM	4		3458
Hymenoptera	Bethylidae	sp. 1	CT	GM	3		3459
Hymenoptera	Bethylidae	sp. 1	CT	GM	1		497
Hymenoptera	Bethylidae	sp. 1	CT	GM	3		556
Hymenoptera	Bethylidae	sp. 1	CT	GM	1		352
Hymenoptera	Bethylidae	sp. 2	BR	LF	1		3172
Hymenoptera	Bethylidae	sp. 2	BR	CO	1		3173
Hymenoptera	Bethylidae	sp. 3	CT	GM	1		6748
Hymenoptera	Bethylidae	sp. 4	CT	GM	3		6749
Hymenoptera	Braconidae	sp. 1	BR	LF	7		3129
Hymenoptera	Braconidae	sp. 1	BR	GM	1		3134
Hymenoptera	Braconidae	sp. 1	BR	GM	3		3124
Hymenoptera	Braconidae	sp. 1	BR	GM	1		3116
Hymenoptera	Braconidae	sp. 1	BR	GM	2		3144
Hymenoptera	Braconidae	sp. 1	BR	GM	3		3141
Hymenoptera	Braconidae	sp. 1	BR	GM	17		3123
Hymenoptera	Braconidae	sp. 1	BR	GM	11		3165
Hymenoptera	Braconidae	sp. 1	BR	GM	6		3137
Hymenoptera	Braconidae	sp. 1	BR	GM	5		3115
Hymenoptera	Braconidae	sp. 1	BR	SW	2		3146
Hymenoptera	Braconidae	sp. 1	BR	SW	1		3121
Hymenoptera	Braconidae	sp. 1	BR	SW	1		3120
Hymenoptera	Braconidae	sp. 1	BR	LT	2		3135
Hymenoptera	Braconidae	sp. 1	BR	GM	2		3133
Hymenoptera	Braconidae	sp. 1	BR	GM	10		3143

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Braconidae	sp. 1	BR	SW	3		543
Hymenoptera	Braconidae	sp. 1	BR	GM	1		3153
Hymenoptera	Braconidae	sp. 1	BR	GM	2		3149
Hymenoptera	Braconidae	sp. 1	BR	GM	1		3158
Hymenoptera	Braconidae	sp. 1	BR	GM	4		3130
Hymenoptera	Braconidae	sp. 1	BR	LF	8		3122
Hymenoptera	Braconidae	sp. 1	BR	GM	4		3128
Hymenoptera	Braconidae	sp. 1	BR	GM	15		6956
Hymenoptera	Braconidae	sp. 1	BR	GM	5		6893
Hymenoptera	Braconidae	sp. 1	CT	GM	21		3461
Hymenoptera	Braconidae	sp. 1	CT	GM	5		3462
Hymenoptera	Braconidae	sp. 1	CT	GM	1		563
Hymenoptera	Braconidae	sp. 1	CT	GM	3		6859
Hymenoptera	Braconidae	sp. 1	CT	LT	1		3480
Hymenoptera	Braconidae	sp. 1	CT	SW	1		3477
Hymenoptera	Braconidae	sp. 1	CT	SW	1		3469
Hymenoptera	Braconidae	sp. 1	CT	SW	1		3468
Hymenoptera	Braconidae	sp. 1	CT	SW	1		3472
Hymenoptera	Braconidae	sp. 10	BR	GM	4		3166
Hymenoptera	Braconidae	sp. 10	BR	GM	1		3117
Hymenoptera	Braconidae	sp. 10	BR	GM	9		3154
Hymenoptera	Braconidae	sp. 10	BR	GM	1		3131
Hymenoptera	Braconidae	sp. 10	BR	GM	1		542
Hymenoptera	Braconidae	sp. 10	BR	GM	3		541
Hymenoptera	Braconidae	sp. 10	BR	SW	1		3127
Hymenoptera	Braconidae	sp. 10	BR	SW	1		3145
Hymenoptera	Braconidae	sp. 10	BR	GM	1		3148
Hymenoptera	Braconidae	sp. 10	BR	GM	1		3151
Hymenoptera	Braconidae	sp. 10	BR	SW	2		3152
Hymenoptera	Braconidae	sp. 10	BR	SW	1		3155
Hymenoptera	Braconidae	sp. 10	BR	SW	1		3119
Hymenoptera	Braconidae	sp. 10	BR	GM	1		3125
Hymenoptera	Braconidae	sp. 10	BR	GM	2		3118
Hymenoptera	Braconidae	sp. 10	BR	SW	1		3160
Hymenoptera	Braconidae	sp. 10	BR	GM	2		3156
Hymenoptera	Braconidae	sp. 10	BR	SW	1		466
Hymenoptera	Braconidae	sp. 10	BR	GM	5		477
Hymenoptera	Braconidae	sp. 10	BR	SW	4		458
Hymenoptera	Braconidae	sp. 10	BR	LT	2		449
Hymenoptera	Braconidae	sp. 10	BR	GM	4		6938
Hymenoptera	Braconidae	sp. 10	BR	GM	2		6895
Hymenoptera	Braconidae	sp. 10	BR	GM	2		6889
Hymenoptera	Braconidae	sp. 10	BR	SW	1		6932
Hymenoptera	Braconidae	sp. 10	BR	GM	1		6883
Hymenoptera	Braconidae	sp. 10	CT	GM	1		3463
Hymenoptera	Braconidae	sp. 10	CT	GM	5		489

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Braconidae	sp. 10	CT	GM	1		59
Hymenoptera	Braconidae	sp. 10	CT	GM	1		6858
Hymenoptera	Braconidae	sp. 10	CT	SW	1		3478
Hymenoptera	Braconidae	sp. 10	CT	SW	1		3473
Hymenoptera	Braconidae	sp. 10	CT	SW	1		6968
Hymenoptera	Braconidae	sp. 11	CT	GM	1		6856
Hymenoptera	Braconidae	sp. 11	CT	SW	1		3467
Hymenoptera	Braconidae	sp. 12	BR	GM	1		519
Hymenoptera	Braconidae	sp. 12	BR	GM	1		6903
Hymenoptera	Braconidae	sp. 12	BR	SW	1		6942
Hymenoptera	Braconidae	sp. 12	BR	GM	1		6939
Hymenoptera	Braconidae	sp. 12	BR	GM	3		6934
Hymenoptera	Braconidae	sp. 12	BR	GM	1		6940
Hymenoptera	Braconidae	sp. 12	BR	GM	1		6887
Hymenoptera	Braconidae	sp. 12	BR	SW	1		6878
Hymenoptera	Braconidae	sp. 12	BR	GM	3		6882
Hymenoptera	Braconidae	sp. 12	CT	BE	1		3479
Hymenoptera	Braconidae	sp. 12	CT	GM	2		3460
Hymenoptera	Braconidae	sp. 13	BR	SW	1		3142
Hymenoptera	Braconidae	sp. 13	BR	GM	1		3140
Hymenoptera	Braconidae	sp. 13	BR	GM	1		3150
Hymenoptera	Braconidae	sp. 13	BR	GM	1		3157
Hymenoptera	Braconidae	sp. 13	BR	GM	1		473
Hymenoptera	Braconidae	sp. 13	BR	GM	1		499
Hymenoptera	Braconidae	sp. 13	BR	GM	1		6902
Hymenoptera	Braconidae	sp. 13	BR	GM	2		6948
Hymenoptera	Braconidae	sp. 13	BR	GM	1		6930
Hymenoptera	Braconidae	sp. 13	BR	GM	1		6892
Hymenoptera	Braconidae	sp. 13	BR	GM	1		6881
Hymenoptera	Braconidae	sp. 13	CT	GM	2		6860
Hymenoptera	Braconidae	sp. 13	CT	GM	1		6857
Hymenoptera	Braconidae	sp. 14	BR	LF	2		3159
Hymenoptera	Braconidae	sp. 14	BR	GM	1		6891
Hymenoptera	Braconidae	sp. 14	BR	GM	1		6888
Hymenoptera	Braconidae	sp. 14	BR	GM	1		6885
Hymenoptera	Braconidae	sp. 14	CT	GM	1		3464
Hymenoptera	Braconidae	sp. 15	CT	SW	1		3466
Hymenoptera	Braconidae	sp. 16	BR	GM	1		204
Hymenoptera	Braconidae	sp. 16	BR	GM	1		6944
Hymenoptera	Braconidae	sp. 16	CT	GM	1		75
Hymenoptera	Braconidae	sp. 16	CT	LT	1		6851
Hymenoptera	Braconidae	sp. 17	CT	GM	1		6863
Hymenoptera	Braconidae	sp. 18	CT	GM	1		6864
Hymenoptera	Braconidae	sp. 19	BR	GM	2		3139
Hymenoptera	Braconidae	sp. 19	BR	GM	1		527
Hymenoptera	Braconidae	sp. 19	BR	GM	1		6884

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Braconidae	sp. 19	BR	GM	1		6880
Hymenoptera	Braconidae	sp. 19	BR	GM	2		6877
Hymenoptera	Braconidae	sp. 2	BR	GM	1		6947
Hymenoptera	Braconidae	sp. 2	BR	GM	1		6952
Hymenoptera	Braconidae	sp. 2	CT	SW	1		6848
Hymenoptera	Braconidae	sp. 20	BR	GM	1		3132
Hymenoptera	Braconidae	sp. 20	BR	GM	3		6901
Hymenoptera	Braconidae	sp. 20	BR	GM	2		6945
Hymenoptera	Braconidae	sp. 20	BR	GM	1		6949
Hymenoptera	Braconidae	sp. 20	BR	GM	2		6959
Hymenoptera	Braconidae	sp. 20	BR	GM	2		6954
Hymenoptera	Braconidae	sp. 20	BR	GM	2		6879
Hymenoptera	Braconidae	sp. 21	BR	BE	1		3164
Hymenoptera	Braconidae	sp. 21	BR	IP	1		3163
Hymenoptera	Braconidae	sp. 21	BR	IP	1		3162
Hymenoptera	Braconidae	sp. 21	BR	SW	1		6941
Hymenoptera	Braconidae	sp. 22	BR	BE	1		544
Hymenoptera	Braconidae	sp. 22	BR	LT	1		6935
Hymenoptera	Braconidae	sp. 22	BR	SW	1		6886
Hymenoptera	Braconidae	sp. 23	BR	LT	1		3147
Hymenoptera	Braconidae	sp. 24	BR	GM	1		3138
Hymenoptera	Braconidae	sp. 25	BR	GM	1		530
Hymenoptera	Braconidae	sp. 26	BR	GM	1		6904
Hymenoptera	Braconidae	sp. 26	BR	GM	1		6950
Hymenoptera	Braconidae	sp. 26	BR	GM	1		6957
Hymenoptera	Braconidae	sp. 26	BR	GM	3		6955
Hymenoptera	Braconidae	sp. 26	BR	GM	1		6894
Hymenoptera	Braconidae	sp. 26	BR	GM	1		6953
Hymenoptera	Braconidae	sp. 27	BR	LT	1		6933
Hymenoptera	Braconidae	sp. 28	BR	SW	1		6943
Hymenoptera	Braconidae	sp. 29	BR	GM	1		6951
Hymenoptera	Braconidae	sp. 3	BR	GM	1		6890
Hymenoptera	Braconidae	sp. 3	CT	GM	1		6862
Hymenoptera	Braconidae	sp. 3	CT	GM	2		6855
Hymenoptera	Braconidae	sp. 3	CT	SW	1		6849
Hymenoptera	Braconidae	sp. 30	BR	GM	1		3126
Hymenoptera	Braconidae	sp. 4	CT	GM	5		3465
Hymenoptera	Braconidae	sp. 4	CT	LT	1		6850
Hymenoptera	Braconidae	sp. 4	CT	SW	1		6850
Hymenoptera	Braconidae	sp. 4	CT	SW	1		6853
Hymenoptera	Braconidae	sp. 6	CT	GM	4		6861
Hymenoptera	Braconidae	sp. 7	CT	SW	1		3474
Hymenoptera	Braconidae	sp. 8	BR	SW	1		3136
Hymenoptera	Braconidae	sp. 8	BR	GM	1		6946
Hymenoptera	Braconidae	sp. 8	BR	SW	2		6937
Hymenoptera	Braconidae	sp. 8	BR	GM	1		6931

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Braconidae	sp. 8	CT	SW	1		3471
Hymenoptera	Braconidae	sp. 8	CT	SW	1		3476
Hymenoptera	Braconidae	sp. 8	CT	SW	1		3475
Hymenoptera	Braconidae	sp. 8	CT	SW	1		6854
Hymenoptera	Braconidae	sp. 9	BR	SW	1		6936
Hymenoptera	Braconidae	sp. 9	CT	SW	1		3470
Hymenoptera	Ceraphronidae	sp. 1	BR	IP	1		3110
Hymenoptera	Ceraphronidae	sp. 1	BR	IP	1		3109
Hymenoptera	Ceraphronidae	sp. 1	BR	IP	1		3112
Hymenoptera	Ceraphronidae	sp. 1	BR	IP	1		3101
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	2		3107
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	14		3093
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	2		3102
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	1		3108
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	19		3105
Hymenoptera	Ceraphronidae	sp. 1	BR	CO	1		3104
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	1		3094
Hymenoptera	Ceraphronidae	sp. 1	BR	TR	1		3103
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	1		3111
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	3		3100
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	4		3106
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	2		3113
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	1		3096
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	3		3095
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	1		3098
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	1		3089
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	2		3090
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	15		3092
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	5		3099
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	1		471
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	1		463
Hymenoptera	Ceraphronidae	sp. 1	BR	SW	3		443
Hymenoptera	Ceraphronidae	sp. 1	BR	GM	12		500
Hymenoptera	Ceraphronidae	sp. 1	CT	BE	1		3485
Hymenoptera	Ceraphronidae	sp. 1	CT	CO	1		3486
Hymenoptera	Ceraphronidae	sp. 1	CT	GM	1		3481
Hymenoptera	Ceraphronidae	sp. 1	CT	GM	1		3482
Hymenoptera	Ceraphronidae	sp. 1	CT	GM	6		559
Hymenoptera	Ceraphronidae	sp. 1	CT	GM	1		58
Hymenoptera	Ceraphronidae	sp. 1	CT	GM	1		342
Hymenoptera	Ceraphronidae	sp. 1	CT	SW	1		3483
Hymenoptera	Ceraphronidae	sp. 1	CT	SW	1		3484
Hymenoptera	Ceraphronidae	sp. 1	CT	TR	1		3487
Hymenoptera	Ceraphronidae	sp. 2	BR	IP	1		3114
Hymenoptera	Ceraphronidae	sp. 2	BR	IP	1		3097
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	1		6963

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	1		6964
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	1		6965
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	5		6966
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	1		6962
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	3		6958
Hymenoptera	Ceraphronidae	sp. 2	BR	GM	2		6967
Hymenoptera	Ceraphronidae	sp. 2	CT	GM	2		6960
Hymenoptera	Ceraphronidae	sp. 3	BR	IP	1		3091
Hymenoptera	Ceraphronidae	sp. 3	CT	GM	1		6961
Hymenoptera	Chalcididae	sp. 1	CT	GM	2		3488
Hymenoptera	Chrysididae	sp. 1	BR	GM	2		3182
Hymenoptera	Chrysididae	sp. 1	BR	GM	1		3179
Hymenoptera	Chrysididae	sp. 1	BR	GM	1		3176
Hymenoptera	Chrysididae	sp. 1	BR	GM	1		3180
Hymenoptera	Chrysididae	sp. 1	CT	GM	1		3490
Hymenoptera	Chrysididae	sp. 1	CT	GM	1		3492
Hymenoptera	Chrysididae	sp. 2	CT	GM	1		3493
Hymenoptera	Chrysididae	sp. 2	CT	GM	3		6750
Hymenoptera	Chrysididae	sp. 3	BR	GM	1		3177
Hymenoptera	Chrysididae	sp. 3	BR	TR	1		3181
Hymenoptera	Chrysididae	sp. 3	BR	GM	2		3178
Hymenoptera	Chrysididae	sp. 3	CT	GM	2		3491
Hymenoptera	Cynipidae	sp. 1	BR	GM	1		3200
Hymenoptera	Cynipidae	sp. 1	CT	GM	2		3495
Hymenoptera	Cynipidae	sp. 2	BR	GM	1		3192
Hymenoptera	Cynipidae	sp. 2	BR	GM	1		3195
Hymenoptera	Cynipidae	sp. 2	BR	SW	1		3186
Hymenoptera	Cynipidae	sp. 2	BR	GM	1		3198
Hymenoptera	Cynipidae	sp. 2	CT	BE	1		3494
Hymenoptera	Cynipidae	sp. 3	BR	GM	1		3201
Hymenoptera	Cynipidae	sp. 3	BR	GM	3		3194
Hymenoptera	Cynipidae	sp. 3	BR	GM	5		3196
Hymenoptera	Cynipidae	sp. 3	BR	TR	1		3193
Hymenoptera	Cynipidae	sp. 3	BR	TR	1		3188
Hymenoptera	Cynipidae	sp. 3	BR	GM	1		3189
Hymenoptera	Cynipidae	sp. 3	BR	GM	3		3187
Hymenoptera	Cynipidae	sp. 3	BR	GM	1		3184
Hymenoptera	Cynipidae	sp. 3	BR	GM	1		3191
Hymenoptera	Cynipidae	sp. 3	BR	GM	1		6754
Hymenoptera	Cynipidae	sp. 3	BR	GM	1		6751
Hymenoptera	Cynipidae	sp. 4	BR	GM	1		3199
Hymenoptera	Cynipidae	sp. 4	BR	GM	2		3197
Hymenoptera	Cynipidae	sp. 4	BR	LC	2		3185
Hymenoptera	Cynipidae	sp. 4	BR	GM	1		3183
Hymenoptera	Cynipidae	sp. 4	BR	GM	1		6752
Hymenoptera	Cynipidae	sp. 5	BR	GM	2		525

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Cynipidae	sp. 6	BR	GM	1		6753
Hymenoptera	Cynipidae	sp. 7	BR	LT	1		450
Hymenoptera	Cynipidae	sp. 8	BR	SW	1		3190
Hymenoptera	Diapriidae	sp. 1	BR	GM	7		3240
Hymenoptera	Diapriidae	sp. 1	BR	IP	1		3234
Hymenoptera	Diapriidae	sp. 1	BR	IP	1		3243
Hymenoptera	Diapriidae	sp. 1	BR	GM	1		3210
Hymenoptera	Diapriidae	sp. 1	BR	GM	1		3214
Hymenoptera	Diapriidae	sp. 1	BR	GM	5		7457
Hymenoptera	Diapriidae	sp. 1	BR	GM	1		7452
Hymenoptera	Diapriidae	sp. 1	BR	LT	1		7461
Hymenoptera	Diapriidae	sp. 1	BR	GM	1		7455
Hymenoptera	Diapriidae	sp. 1	CT	IP	1		3503
Hymenoptera	Diapriidae	sp. 1	CT	IP	1		3504
Hymenoptera	Diapriidae	sp. 1	CT	IP	1		3507
Hymenoptera	Diapriidae	sp. 1	CT	SW	1		3508
Hymenoptera	Diapriidae	sp. 1	CT	SW	1		3512
Hymenoptera	Diapriidae	sp. 2	BR	GM	7		3232
Hymenoptera	Diapriidae	sp. 2	BR	GM	1		3237
Hymenoptera	Diapriidae	sp. 2	BR	GM	13		3242
Hymenoptera	Diapriidae	sp. 2	BR	IP	1		3229
Hymenoptera	Diapriidae	sp. 2	BR	SW	1		3226
Hymenoptera	Diapriidae	sp. 2	BR	IP	1		3227
Hymenoptera	Diapriidae	sp. 2	BR	SW	2		3230
Hymenoptera	Diapriidae	sp. 2	BR	SW	1		3202
Hymenoptera	Diapriidae	sp. 2	BR	SW	2		3209
Hymenoptera	Diapriidae	sp. 2	BR	SW	1		3222
Hymenoptera	Diapriidae	sp. 2	BR	GM	8		3215
Hymenoptera	Diapriidae	sp. 2	BR	GM	1		3213
Hymenoptera	Diapriidae	sp. 2	BR	GM	2		3220
Hymenoptera	Diapriidae	sp. 2	BR	GM	1		3218
Hymenoptera	Diapriidae	sp. 2	BR	LT	1		452
Hymenoptera	Diapriidae	sp. 2	BR	GM	1		7450
Hymenoptera	Diapriidae	sp. 2	BR	GM	10		7453
Hymenoptera	Diapriidae	sp. 2	BR	GM	6		7465
Hymenoptera	Diapriidae	sp. 2	BR	GM	13		7460
Hymenoptera	Diapriidae	sp. 2	BR	GM	22		7458
Hymenoptera	Diapriidae	sp. 2	CT	GM	3		3497
Hymenoptera	Diapriidae	sp. 2	CT	GM	1		3499
Hymenoptera	Diapriidae	sp. 2	CT	GM	3		3496
Hymenoptera	Diapriidae	sp. 2	CT	GM	2		498
Hymenoptera	Diapriidae	sp. 2	CT	GM	1		73
Hymenoptera	Diapriidae	sp. 2	CT	IP	1		3501
Hymenoptera	Diapriidae	sp. 2	CT	IP	3		7447
Hymenoptera	Diapriidae	sp. 2	CT	LF	1		3513
Hymenoptera	Diapriidae	sp. 2	CT	LT	2		3514

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Diapriidae	sp. 2	CT	SW	1		3510
Hymenoptera	Diapriidae	sp. 2	CT	SW	1		3509
Hymenoptera	Diapriidae	sp. 3	BR	GM	2		3244
Hymenoptera	Diapriidae	sp. 3	BR	GM	7		3231
Hymenoptera	Diapriidae	sp. 3	BR	GM	6		3233
Hymenoptera	Diapriidae	sp. 3	BR	IP	1		3224
Hymenoptera	Diapriidae	sp. 3	BR	IP	1		3205
Hymenoptera	Diapriidae	sp. 3	BR	GM	7		3228
Hymenoptera	Diapriidae	sp. 3	BR	SW	1		3206
Hymenoptera	Diapriidae	sp. 3	BR	SW	1		3223
Hymenoptera	Diapriidae	sp. 3	BR	SW	1		3208
Hymenoptera	Diapriidae	sp. 3	BR	LT	1		3221
Hymenoptera	Diapriidae	sp. 3	BR	GM	10		3211
Hymenoptera	Diapriidae	sp. 3	BR	GM	10		3212
Hymenoptera	Diapriidae	sp. 3	BR	GM	1		3217
Hymenoptera	Diapriidae	sp. 3	BR	GM	1		3219
Hymenoptera	Diapriidae	sp. 3	BR	GM	3		7466
Hymenoptera	Diapriidae	sp. 3	CT	GM	1		3498
Hymenoptera	Diapriidae	sp. 3	CT	GM	1		7448
Hymenoptera	Diapriidae	sp. 3	CT	SW	1		3511
Hymenoptera	Diapriidae	sp. 4	CT	GM	1		60
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		3225
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		3239
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		3238
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		3203
Hymenoptera	Diapriidae	sp. 5	BR	IP	2		3236
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		3241
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		3235
Hymenoptera	Diapriidae	sp. 5	BR	IP	2		3204
Hymenoptera	Diapriidae	sp. 5	BR	CO	1		3216
Hymenoptera	Diapriidae	sp. 5	BR	GM	1		7451
Hymenoptera	Diapriidae	sp. 5	BR	GM	1		7454
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		7462
Hymenoptera	Diapriidae	sp. 5	BR	IP	1		7464
Hymenoptera	Diapriidae	sp. 5	CT	GM	1		564
Hymenoptera	Diapriidae	sp. 5	CT	GM	2		7449
Hymenoptera	Diapriidae	sp. 5	CT	IP	2		3500
Hymenoptera	Diapriidae	sp. 5	CT	IP	1		3502
Hymenoptera	Diapriidae	sp. 5	CT	IP	1		3506
Hymenoptera	Diapriidae	sp. 6	BR	GM	1		7456
Hymenoptera	Diapriidae	sp. 7	BR	GM	1		7463
Hymenoptera	Diapriidae	sp. 7	BR	SW	1		7459
Hymenoptera	Diapriidae	sp. 8	BR	SW	1		3207
Hymenoptera	Dryinidae	sp. 1	BR	GM	1		3247
Hymenoptera	Dryinidae	sp. 2	BR	GM	1		3246
Hymenoptera	Dryinidae	sp. 2	CT	GM	4		3516

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Dryinidae	sp. 2	CT	GM	2		496
Hymenoptera	Dryinidae	sp. 2	CT	SW	1		3515
Hymenoptera	Dryinidae	sp. 2	CT	SW	1		69
Hymenoptera	Dryinidae	sp. 3	BR	SW	1		3245
Hymenoptera	Dryinidae	sp. 4	CT	GM	3		6771
Hymenoptera	Encyrtidae	sp. 1	BR	LC	1		3084
Hymenoptera	Encyrtidae	sp. 1	BR	SW	1		445
Hymenoptera	Encyrtidae	sp. 2	BR	GM	1		3250
Hymenoptera	Encyrtidae	sp. 2	BR	GM	1		3251
Hymenoptera	Encyrtidae	sp. 2	BR	SW	1		517
Hymenoptera	Encyrtidae	sp. 2	BR	GM	1		520
Hymenoptera	Encyrtidae	sp. 2	CT	GM	1		347
Hymenoptera	Encyrtidae	sp. 2	CT	GM	1		7468
Hymenoptera	Encyrtidae	sp. 2	CT	SW	2		337
Hymenoptera	Encyrtidae	sp. 3	BR	GM	1		3248
Hymenoptera	Encyrtidae	sp. 3	BR	GM	2		3249
Hymenoptera	Encyrtidae	sp. 3	CT	GM	8		494
Hymenoptera	Encyrtidae	sp. 3	CT	GM	1		552
Hymenoptera	Encyrtidae	sp. 3	CT	GM	2		62
Hymenoptera	Encyrtidae	sp. 3	CT	GM	1		81
Hymenoptera	Encyrtidae	sp. 3	CT	GM	1		361
Hymenoptera	Encyrtidae	sp. 3	CT	SW	1		330
Hymenoptera	Encyrtidae	sp. 3	CT	SW	1		333
Hymenoptera	Encyrtidae	sp. 3	CT	SW	1		340
Hymenoptera	Encyrtidae	sp. 3	CT	SW	2		4723
Hymenoptera	Encyrtidae	sp. 3	CT	TR	1		3519
Hymenoptera	Encyrtidae	sp. 4	BR	GM	1		538
Hymenoptera	Encyrtidae	sp. 5	CT	GM	1		7467
Hymenoptera	Eucoilidae	sp. 1	BR	GM	3		3252
Hymenoptera	Eucoilidae	sp. 1	CT	SW	1		3520
Hymenoptera	Eucoilidae	sp. 2	BR	GM	1		3253
Hymenoptera	Eucoilidae	sp. 2	BR	GM	1		3256
Hymenoptera	Eucoilidae	sp. 2	BR	GM	1		3257
Hymenoptera	Eucoilidae	sp. 2	BR	SW	1		467
Hymenoptera	Eucoilidae	sp. 2	BR	GM	1		507
Hymenoptera	Eucoilidae	sp. 2	BR	GM	2		6773
Hymenoptera	Eucoilidae	sp. 2	CT	SW	1		331
Hymenoptera	Eucoilidae	sp. 2	CT	SW	1		336
Hymenoptera	Eucoilidae	sp. 3	BR	GM	1		3254
Hymenoptera	Eucoilidae	sp. 3	BR	SW	1		3255
Hymenoptera	Eucoilidae	sp. 3	CT	GM	4		64
Hymenoptera	Eucoilidae	sp. 3	CT	SW	1		3518
Hymenoptera	Eulophidae	sp. 1	BR	CO	1		3265
Hymenoptera	Eulophidae	sp. 1	BR	SW	1		3268
Hymenoptera	Eulophidae	sp. 1	BR	SW	1		3267
Hymenoptera	Eulophidae	sp. 1	CT	GM	2		560

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Eulophidae	sp. 1	CT	SW	1		72
Hymenoptera	Eulophidae	sp. 2	BR	SW	1		3260
Hymenoptera	Eulophidae	sp. 2	BR	IP	1		539
Hymenoptera	Eulophidae	sp. 2	BR	GM	1		3271
Hymenoptera	Eulophidae	sp. 2	BR	SW	1		3266
Hymenoptera	Eulophidae	sp. 2	BR	GM	8		3270
Hymenoptera	Eulophidae	sp. 2	BR	GM	1		3272
Hymenoptera	Eulophidae	sp. 2	BR	SW	1		3262
Hymenoptera	Eulophidae	sp. 2	BR	GM	1		3263
Hymenoptera	Eulophidae	sp. 2	BR	GM	17		3264
Hymenoptera	Eulophidae	sp. 2	BR	GM	4		3269
Hymenoptera	Eulophidae	sp. 2	BR	GM	4		3261
Hymenoptera	Eulophidae	sp. 2	BR	SW	5		468
Hymenoptera	Eulophidae	sp. 2	BR	SW	1		476
Hymenoptera	Eulophidae	sp. 2	BR	SW	1		461
Hymenoptera	Eulophidae	sp. 2	BR	SW	2		441
Hymenoptera	Eulophidae	sp. 2	BR	GM	2		506
Hymenoptera	Eulophidae	sp. 2	BR	CO	1		512
Hymenoptera	Eulophidae	sp. 2	BR	SW	3		513
Hymenoptera	Eulophidae	sp. 2	BR	GM	1		532
Hymenoptera	Eulophidae	sp. 2	BR	GM	2		3259
Hymenoptera	Eulophidae	sp. 2	CT	GM	3		3521
Hymenoptera	Eulophidae	sp. 2	CT	GM	1		3523
Hymenoptera	Eulophidae	sp. 2	CT	GM	1		495
Hymenoptera	Eulophidae	sp. 2	CT	GM	3		63
Hymenoptera	Eulophidae	sp. 2	CT	GM	2		74
Hymenoptera	Eulophidae	sp. 2	CT	GM	5		7488
Hymenoptera	Eulophidae	sp. 2	CT	SW	6		3528
Hymenoptera	Eulophidae	sp. 2	CT	SW	1		3524
Hymenoptera	Eulophidae	sp. 2	CT	SW	5		3525
Hymenoptera	Eulophidae	sp. 2	CT	SW	4		3532
Hymenoptera	Eulophidae	sp. 2	CT	SW	1		3522
Hymenoptera	Eulophidae	sp. 2	CT	SW	1		3527
Hymenoptera	Eulophidae	sp. 2	CT	SW	2		341
Hymenoptera	Eulophidae	sp. 2	CT	SW	1		4721
Hymenoptera	Eulophidae	sp. 2	CT	SW	1		7476
Hymenoptera	Eulophidae	sp. 2	CT	SW	1		7484
Hymenoptera	Eulophidae	sp. 2	CT	SW	4		7480
Hymenoptera	Eulophidae	sp. 2	CT	SW	2		7478
Hymenoptera	Eulophidae	sp. 3	CT	SW	2		3530
Hymenoptera	Eulophidae	sp. 3	CT	SW	3		7481
Hymenoptera	Eulophidae	sp. 3	CT	SW	1		7477
Hymenoptera	Eulophidae	sp. 4	CT	GM	1		545
Hymenoptera	Eulophidae	sp. 4	CT	GM	1		7489
Hymenoptera	Eulophidae	sp. 4	CT	SW	5		3529
Hymenoptera	Eulophidae	sp. 4	CT	SW	1		7487

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Eulophidae	sp. 4	CT	SW	1		7485
Hymenoptera	Eulophidae	sp. 4	CT	SW	1		7479
Hymenoptera	Eulophidae	sp. 5	CT	SW	1		3526
Hymenoptera	Eulophidae	sp. 5	CT	SW	1		7482
Hymenoptera	Eulophidae	sp. 6	BR	GM	1		7490
Hymenoptera	Eulophidae	sp. 6	BR	GM	3		7491
Hymenoptera	Eulophidae	sp. 6	CT	SW	1		7483
Hymenoptera	Eulophidae	sp. 7	CT	SW	1		332
Hymenoptera	Eupelmidae	sp. 1	BR	GM	1		3274
Hymenoptera	Eupelmidae	sp. 2	BR	GM	1		6774
Hymenoptera	Eupelmidae	sp. 3	BR	GM	1		3273
Hymenoptera	Eupelmidae	sp. 3	CT	GM	1		491
Hymenoptera	Eupelmidae	sp. 4	CT	GM	1		553
Hymenoptera	Eupelmidae	sp. 4	CT	GM	1		329
Hymenoptera	Eupelmidae	sp. 4	CT	GM	3		345
Hymenoptera	Eupelmidae	sp. 5	CT	TR	1		3531
Hymenoptera	Eupelmidae	sp. 6	CT	GM	2		6775
Hymenoptera	Eurytomidae	sp. 1	BR	SW	1		3275
Hymenoptera	Eurytomidae	sp. 2	CT	GM	1		57
Hymenoptera	Eurytomidae	sp. 3	CT	GM	1		77
Hymenoptera	Figitidae	sp. 1	BR	GM	1		3277
Hymenoptera	Figitidae	sp. 1	BR	GM	2		3279
Hymenoptera	Figitidae	sp. 2	BR	GM	1		6777
Hymenoptera	Figitidae	sp. 3	BR	SW	1		3278
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	TR	1		1577
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	IP	1		3353
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	IP	1		3355
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	TR	4		1596
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	SB	1		1549
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	SB	2		1550
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	IP	2		3351
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	IP	1		1494
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	TR	1		1580
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	TR	6		1591
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	TR	1		1578
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	TR	1		1574
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	CO	1		3333
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	GM	2		3341
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	LC	2		1603
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	BR	SB	1		7417
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	GM	1		3581
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	GM	1		3567
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	GM	1		3580
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	LT	1		3565
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	SB	1		3539
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	SB	16		7365

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	SW	1		3575
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	TR	3		3574
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	TR	4		3562
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	TR	4		3561
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	TR	2		3558
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	TR	4		3559
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 1	CT	TR	5		3560
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	2		3346
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	2		3342
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	3		1579
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1602
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1515
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1517
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1507
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		1597
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	2		3358
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	2		1576
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1592
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1589
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1593
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1581
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1504
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1522
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SB	1		1552
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SB	1		1548
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	1		1573
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	BE	2		3327
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1508
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		1502
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	7		1605
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	2		1587
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1584
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1583
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1586
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1582
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	2		1521
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	1		1555
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		1588
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		3344
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		1566
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		3348
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		3349
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	BE	3		3326
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		1571
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		7348
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	1		7380

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	IP	2		7378
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	LF	1		7428
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	LF	3		7422
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SB	1		7413
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	1		7401
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	1		7410
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	1		7404
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		7396
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		7386
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	1		7442
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	3		7388
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	3		7445
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	2		7444
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	TR	2		7446
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	2		7434
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	BE	1		7436
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	2		7340
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	1		7344
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	GM	2		1565
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	BR	SW	1		7440
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	BE	1		3544
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	BE	1		3536
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	GM	1		7328
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	GM	1		7352
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	GM	1		7351
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	IP	1		3556
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	IP	2		3549
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	SB	1		3542
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	SW	1		3576
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	TR	3		3573
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	TR	4		7353
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	TR	2		7349
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 2	CT	TR	1		7350
Hymenoptera	Formicidae	<i>Camponotus</i> sp. 3	CT	TR	1		7329
Hymenoptera	Formicidae	<i>Formica</i> sp. 1	BR	GM	2		3343
Hymenoptera	Formicidae	<i>Formica</i> sp. 1	BR	GM	1		7341
Hymenoptera	Formicidae	<i>Formica</i> sp. 1	CT	LF	1		3571
Hymenoptera	Formicidae	<i>Formica</i> sp. 1	CT	LT	1		3568
Hymenoptera	Formicidae	<i>Formica</i> sp. 1	CT	TR	3		3564
Hymenoptera	Formicidae	sp. 1	BR	SB	1		1544
Hymenoptera	Formicidae	sp. 1	BR	SW	1		1562
Hymenoptera	Formicidae	sp. 1	BR	LF	6		1533
Hymenoptera	Formicidae	sp. 1	BR	CO	2		3335
Hymenoptera	Formicidae	sp. 1	BR	CO	2		3334
Hymenoptera	Formicidae	sp. 1	BR	CO	3		3337
Hymenoptera	Formicidae	sp. 1	BR	LF	11		7421

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	sp. 1	CT	CO	2		3586
Hymenoptera	Formicidae	sp. 1	CT	SB	1		3540
Hymenoptera	Formicidae	sp. 1	CT	SB	1		7361
Hymenoptera	Formicidae	sp. 2	BR	LF	18		1530
Hymenoptera	Formicidae	sp. 2	BR	LF	6		1529
Hymenoptera	Formicidae	sp. 2	BR	LF	10		1523
Hymenoptera	Formicidae	sp. 2	BR	LF	42		7346
Hymenoptera	Formicidae	sp. 2	BR	LF	32		1534
Hymenoptera	Formicidae	sp. 2	BR	LF	75		1531
Hymenoptera	Formicidae	sp. 2	BR	LF	1		1524
Hymenoptera	Formicidae	sp. 2	BR	LF	2		1528
Hymenoptera	Formicidae	sp. 2	BR	GM	2		3340
Hymenoptera	Formicidae	sp. 2	BR	IP	2		3356
Hymenoptera	Formicidae	sp. 2	BR	IP	7		1509
Hymenoptera	Formicidae	sp. 2	BR	IP	7		1510
Hymenoptera	Formicidae	sp. 2	BR	IP	4		1512
Hymenoptera	Formicidae	sp. 2	BR	IP	3		1511
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1518
Hymenoptera	Formicidae	sp. 2	BR	IP	2		3367
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1653
Hymenoptera	Formicidae	sp. 2	BR	IP	1		3359
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1520
Hymenoptera	Formicidae	sp. 2	BR	IP	1		3363
Hymenoptera	Formicidae	sp. 2	BR	IP	6		1514
Hymenoptera	Formicidae	sp. 2	BR	IP	1		3361
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1590
Hymenoptera	Formicidae	sp. 2	BR	IP	2		3362
Hymenoptera	Formicidae	sp. 2	BR	IP	2		3360
Hymenoptera	Formicidae	sp. 2	BR	IP	2		3366
Hymenoptera	Formicidae	sp. 2	BR	IP	2		1499
Hymenoptera	Formicidae	sp. 2	BR	SB	1		1551
Hymenoptera	Formicidae	sp. 2	BR	SB	2		1545
Hymenoptera	Formicidae	sp. 2	BR	SB	2		1541
Hymenoptera	Formicidae	sp. 2	BR	SW	1		1556
Hymenoptera	Formicidae	sp. 2	BR	SW	2		1557
Hymenoptera	Formicidae	sp. 2	BR	SW	1		1554
Hymenoptera	Formicidae	sp. 2	BR	SB	5		1553
Hymenoptera	Formicidae	sp. 2	BR	BE	1		3325
Hymenoptera	Formicidae	sp. 2	BR	SW	1		1559
Hymenoptera	Formicidae	sp. 2	BR	BE	1		3324
Hymenoptera	Formicidae	sp. 2	BR	LF	5		1525
Hymenoptera	Formicidae	sp. 2	BR	LF	1		1526
Hymenoptera	Formicidae	sp. 2	BR	LF	2		1527
Hymenoptera	Formicidae	sp. 2	BR	LF	15		1537
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1505
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1506

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	sp. 2	BR	IP	2		3357
Hymenoptera	Formicidae	sp. 2	BR	IP	2		1513
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1516
Hymenoptera	Formicidae	sp. 2	BR	IP	5		3347
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1503
Hymenoptera	Formicidae	sp. 2	BR	IP	3		3352
Hymenoptera	Formicidae	sp. 2	BR	IP	11		3354
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1500
Hymenoptera	Formicidae	sp. 2	BR	LF	13		1535
Hymenoptera	Formicidae	sp. 2	BR	IP	2		1498
Hymenoptera	Formicidae	sp. 2	BR	SW	2		1572
Hymenoptera	Formicidae	sp. 2	BR	IP	3		3364
Hymenoptera	Formicidae	sp. 2	BR	SW	1		1598
Hymenoptera	Formicidae	sp. 2	BR	SW	7		1563
Hymenoptera	Formicidae	sp. 2	BR	SW	1		1569
Hymenoptera	Formicidae	sp. 2	BR	SW	1		1599
Hymenoptera	Formicidae	sp. 2	BR	SW	5		1558
Hymenoptera	Formicidae	sp. 2	BR	LF	9		1539
Hymenoptera	Formicidae	sp. 2	BR	LF	4		1538
Hymenoptera	Formicidae	sp. 2	BR	IP	1		1495
Hymenoptera	Formicidae	sp. 2	BR	IP	2		1496
Hymenoptera	Formicidae	sp. 2	BR	CO	3		3330
Hymenoptera	Formicidae	sp. 2	BR	GM	1		1567
Hymenoptera	Formicidae	sp. 2	BR	CO	1		3338
Hymenoptera	Formicidae	sp. 2	BR	SB	4		1542
Hymenoptera	Formicidae	sp. 2	BR	GM	1		1604
Hymenoptera	Formicidae	sp. 2	BR	LF	4		7420
Hymenoptera	Formicidae	sp. 2	BR	SB	1		7419
Hymenoptera	Formicidae	sp. 2	BR	SW	2		7403
Hymenoptera	Formicidae	sp. 2	BR	TR	1		7387
Hymenoptera	Formicidae	sp. 2	BR	BE	1		7330
Hymenoptera	Formicidae	sp. 2	BR	BE	1		7367
Hymenoptera	Formicidae	sp. 2	BR	CO	1		7339
Hymenoptera	Formicidae	sp. 2	BR	CO	1		7338
Hymenoptera	Formicidae	sp. 2	BR	CO	1		7334
Hymenoptera	Formicidae	sp. 2	BR	IP	1		7345
Hymenoptera	Formicidae	sp. 2	CT	BE	2		3534
Hymenoptera	Formicidae	sp. 2	CT	BE	3		3533
Hymenoptera	Formicidae	sp. 2	CT	GM	1		3582
Hymenoptera	Formicidae	sp. 2	CT	IP	2		3585
Hymenoptera	Formicidae	sp. 2	CT	IP	12		3553
Hymenoptera	Formicidae	sp. 2	CT	IP	1		3548
Hymenoptera	Formicidae	sp. 2	CT	IP	5		3555
Hymenoptera	Formicidae	sp. 2	CT	IP	4		3552
Hymenoptera	Formicidae	sp. 2	CT	IP	12		3550
Hymenoptera	Formicidae	sp. 2	CT	LF	1		3570

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	sp. 2	CT	SB	1		3537
Hymenoptera	Formicidae	sp. 2	CT	SB	1		3545
Hymenoptera	Formicidae	sp. 2	CT	SB	4		3535
Hymenoptera	Formicidae	sp. 2	CT	SB	1		1041
Hymenoptera	Formicidae	sp. 2	CT	SB	15		7364
Hymenoptera	Formicidae	sp. 2	CT	SB	14		7363
Hymenoptera	Formicidae	sp. 2	CT	SW	1		3578
Hymenoptera	Formicidae	sp. 3	CT	IP	1		7354
Hymenoptera	Formicidae	sp. 3	CT	SW	1		3579
Hymenoptera	Formicidae	sp. 4	BR	GM	1		3345
Hymenoptera	Formicidae	sp. 4	BR	IP	2		1519
Hymenoptera	Formicidae	sp. 4	BR	TR	3		1575
Hymenoptera	Formicidae	sp. 4	BR	SB	2		1546
Hymenoptera	Formicidae	sp. 4	BR	SB	1		1540
Hymenoptera	Formicidae	sp. 4	BR	SB	4		1547
Hymenoptera	Formicidae	sp. 4	BR	BE	3		3328
Hymenoptera	Formicidae	sp. 4	BR	BE	2		3329
Hymenoptera	Formicidae	sp. 4	BR	BE	1		1600
Hymenoptera	Formicidae	sp. 4	BR	IP	1		1497
Hymenoptera	Formicidae	sp. 4	BR	IP	1		3365
Hymenoptera	Formicidae	sp. 4	BR	SW	7		1560
Hymenoptera	Formicidae	sp. 4	BR	SW	4		1570
Hymenoptera	Formicidae	sp. 4	BR	BE	1		1601
Hymenoptera	Formicidae	sp. 4	BR	CO	2		3339
Hymenoptera	Formicidae	sp. 4	BR	CO	1		3336
Hymenoptera	Formicidae	sp. 4	BR	IP	1		1501
Hymenoptera	Formicidae	sp. 4	BR	CO	19		3332
Hymenoptera	Formicidae	sp. 4	BR	SW	4		1568
Hymenoptera	Formicidae	sp. 4	BR	IP	1		7381
Hymenoptera	Formicidae	sp. 4	BR	IP	2		7384
Hymenoptera	Formicidae	sp. 4	BR	IP	1		7379
Hymenoptera	Formicidae	sp. 4	BR	IP	3		7382
Hymenoptera	Formicidae	sp. 4	BR	IP	2		7383
Hymenoptera	Formicidae	sp. 4	BR	LF	2		7431
Hymenoptera	Formicidae	sp. 4	BR	LF	1		7427
Hymenoptera	Formicidae	sp. 4	BR	LF	1		7429
Hymenoptera	Formicidae	sp. 4	BR	LF	3		7424
Hymenoptera	Formicidae	sp. 4	BR	LF	3		7411
Hymenoptera	Formicidae	sp. 4	BR	SB	8		7414
Hymenoptera	Formicidae	sp. 4	BR	SB	1		7415
Hymenoptera	Formicidae	sp. 4	BR	SB	3		7418
Hymenoptera	Formicidae	sp. 4	BR	SB	2		7405
Hymenoptera	Formicidae	sp. 4	BR	SB	12		7407
Hymenoptera	Formicidae	sp. 4	BR	SB	1		7416
Hymenoptera	Formicidae	sp. 4	BR	SW	1		7406
Hymenoptera	Formicidae	sp. 4	BR	SW	4		7402

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	sp. 4	BR	SW	2		7400
Hymenoptera	Formicidae	sp. 4	BR	SW	6		7408
Hymenoptera	Formicidae	sp. 4	BR	SW	5		7409
Hymenoptera	Formicidae	sp. 4	BR	SW	5		7393
Hymenoptera	Formicidae	sp. 4	BR	SW	4		7394
Hymenoptera	Formicidae	sp. 4	BR	SW	2		7390
Hymenoptera	Formicidae	sp. 4	BR	SW	2		7395
Hymenoptera	Formicidae	sp. 4	BR	IP	1		7443
Hymenoptera	Formicidae	sp. 4	BR	SW	6		7433
Hymenoptera	Formicidae	sp. 4	BR	BE	1		7331
Hymenoptera	Formicidae	sp. 4	BR	BE	1		7368
Hymenoptera	Formicidae	sp. 4	BR	CO	1		7333
Hymenoptera	Formicidae	sp. 4	BR	IP	2		7342
Hymenoptera	Formicidae	sp. 4	BR	IP	1		7347
Hymenoptera	Formicidae	sp. 4	BR	LF	6		7430
Hymenoptera	Formicidae	sp. 4	BR	SW	12		7438
Hymenoptera	Formicidae	sp. 4	CT	IP	3		3554
Hymenoptera	Formicidae	sp. 4	CT	IP	2		3551
Hymenoptera	Formicidae	sp. 4	CT	SB	13		3546
Hymenoptera	Formicidae	sp. 4	CT	SB	1		3547
Hymenoptera	Formicidae	sp. 4	CT	SB	2		3538
Hymenoptera	Formicidae	sp. 4	CT	SB	6		3541
Hymenoptera	Formicidae	sp. 4	CT	SB	4		3543
Hymenoptera	Formicidae	sp. 4	CT	SB	1		1799
Hymenoptera	Formicidae	sp. 4	CT	SB	29		7362
Hymenoptera	Formicidae	sp. 4	CT	SW	1		3577
Hymenoptera	Formicidae	sp. 4	CT	TR	1		3584
Hymenoptera	Formicidae	sp. 5	BR	TR	5		1561
Hymenoptera	Formicidae	sp. 5	BR	TR	1		1595
Hymenoptera	Formicidae	sp. 5	BR	TR	2		1585
Hymenoptera	Formicidae	sp. 5	BR	LF	1		7432
Hymenoptera	Formicidae	sp. 5	BR	LF	1		7426
Hymenoptera	Formicidae	sp. 5	BR	GM	1		7397
Hymenoptera	Formicidae	sp. 5	BR	TR	1		7441
Hymenoptera	Formicidae	sp. 5	BR	TR	2		7385
Hymenoptera	Formicidae	sp. 5	BR	SW	1		7439
Hymenoptera	Formicidae	sp. 5	CT	GM	1		3583
Hymenoptera	Formicidae	sp. 6	CT	GM	1		562
Hymenoptera	Formicidae	sp. 6	CT	GM	2		7366
Hymenoptera	Formicidae	sp. 6	CT	SB	2		7360
Hymenoptera	Formicidae	sp. 7	BR	GM	2		1564
Hymenoptera	Formicidae	sp. 7	BR	SW	1		462
Hymenoptera	Formicidae	sp. 7	CT	GM	1		7327
Hymenoptera	Formicidae	sp. 7	CT	IP	2		7356
Hymenoptera	Formicidae	sp. 8	BR	CO	6		3331
Hymenoptera	Formicidae	sp. 8	BR	LF	55		7423

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Formicidae	sp. 8	BR	LF	3		7412
Hymenoptera	Formicidae	sp. 8	BR	SW	27		7399
Hymenoptera	Formicidae	sp. 8	BR	SW	3		7392
Hymenoptera	Formicidae	sp. 8	BR	SW	25		7398
Hymenoptera	Formicidae	sp. 8	BR	SW	2		7391
Hymenoptera	Formicidae	sp. 8	BR	SW	3		7389
Hymenoptera	Formicidae	sp. 8	BR	SW	1		7435
Hymenoptera	Formicidae	sp. 8	BR	CO	2		7332
Hymenoptera	Formicidae	sp. 8	BR	CO	1		7335
Hymenoptera	Formicidae	sp. 8	BR	SW	5		7437
Hymenoptera	Formicidae	sp. 8	CT	IP	2		3557
Hymenoptera	Formicidae	sp. 8	CT	IP	1		7357
Hymenoptera	Formicidae	sp. 8	CT	IP	5		7355
Hymenoptera	Formicidae	sp. 8	CT	LT	10		3569
Hymenoptera	Formicidae	sp. 8	CT	LT	1		3566
Hymenoptera	Formicidae	sp. 8	CT	TR	1		3563
Hymenoptera	Formicidae	sp. 9	BR	IP	1		7343
Hymenoptera	Halictidae	<i>Augochlorella</i> sp.	VD	GM	1		7311
Hymenoptera	Halictidae	<i>Lasioglossum</i> sp.	PA	GM	2		7107
Hymenoptera	Halictidae	<i>Lasioglossum</i> sp.	PA	IP	1		7498
Hymenoptera	Halictidae	<i>Lasioglossum</i> sp.	PA	SB	1		7017
Hymenoptera	Halictidae	<i>Lasioglossum</i> sp.	PA	SB	1		7018
Hymenoptera	Halictidae	sp. 1	BR	GM	2		3280
Hymenoptera	Halictidae	sp. 1	BR	GM	1		3284
Hymenoptera	Halictidae	sp. 1	BR	IP	1		3285
Hymenoptera	Halictidae	sp. 1	BR	IP	1		3282
Hymenoptera	Halictidae	sp. 1	BR	IP	1		3289
Hymenoptera	Halictidae	sp. 1	BR	IP	1		3287
Hymenoptera	Halictidae	sp. 1	BR	IP	1		3281
Hymenoptera	Halictidae	sp. 1	BR	GM	1		3286
Hymenoptera	Halictidae	sp. 1	CT	GM	37		3589
Hymenoptera	Halictidae	sp. 1	CT	GM	4		487
Hymenoptera	Halictidae	sp. 1	CT	GM	2		56
Hymenoptera	Halictidae	sp. 1	CT	GM	2		578
Hymenoptera	Halictidae	sp. 1	CT	SB	1		3591
Hymenoptera	Halictidae	sp. 2	BR	GM	1		3283
Hymenoptera	Halictidae	sp. 3	CT	GM	1		3590
Hymenoptera	Halictidae	sp. 3	CT	GM	1		551
Hymenoptera	Halictidae	sp. 4	CT	BE	1		3587
Hymenoptera	Halictidae	sp. 4	CT	GM	3		6781
Hymenoptera	Halictidae	sp. 4	CT	SB	1		6779
Hymenoptera	Halictidae	sp. 5	CT	GM	1		6783
Hymenoptera	Halictidae	sp. 5	CT	GM	4		6782
Hymenoptera	Halictidae	sp. 5	CT	SB	2		3588
Hymenoptera	Halictidae	sp. 6	CT	GM	1		79
Hymenoptera	Ichneumonidae	<i>Ophion</i>	MC	GM	17		6892

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Ichneumonidae	sp. 1	BR	GM	1		478
Hymenoptera	Ichneumonidae	sp. 1	BR	LT	1		448
Hymenoptera	Ichneumonidae	sp. 1	BR	GM	1		483
Hymenoptera	Ichneumonidae	sp. 1	BR	GM	2		524
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	5		7896
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	3		7716
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	1		7734
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	6		7769
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	2		7794
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	6		7811
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	9		7839
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	4		7855
Hymenoptera	Ichneumonidae	sp. 10	BR	GM	1		7889
Hymenoptera	Ichneumonidae	sp. 11	BR	GM	3		7717
Hymenoptera	Ichneumonidae	sp. 11	BR	GM	1		7735
Hymenoptera	Ichneumonidae	sp. 11	BR	GM	4		7813
Hymenoptera	Ichneumonidae	sp. 11	BR	GM	1		7847
Hymenoptera	Ichneumonidae	sp. 11	BR	GM	1		7861
Hymenoptera	Ichneumonidae	sp. 12	BR	GM	1		7718
Hymenoptera	Ichneumonidae	sp. 12	BR	GM	1		7736
Hymenoptera	Ichneumonidae	sp. 13	BR	GM	1		7719
Hymenoptera	Ichneumonidae	sp. 14	BR	GM	1		7720
Hymenoptera	Ichneumonidae	sp. 14	BR	GM	1		7822
Hymenoptera	Ichneumonidae	sp. 14	BR	GM	1		7859
Hymenoptera	Ichneumonidae	sp. 15	BR	GM	1		7721
Hymenoptera	Ichneumonidae	sp. 15	BR	GM	2		7790
Hymenoptera	Ichneumonidae	sp. 15	BR	GM	1		7850
Hymenoptera	Ichneumonidae	sp. 15	BR	GM	2		7875
Hymenoptera	Ichneumonidae	sp. 16	BR	GM	1		7722
Hymenoptera	Ichneumonidae	sp. 16	BR	GM	1		7737
Hymenoptera	Ichneumonidae	sp. 16	BR	GM	2		7793
Hymenoptera	Ichneumonidae	sp. 17	BR	GM	1		7723
Hymenoptera	Ichneumonidae	sp. 17	BR	GM	1		7786
Hymenoptera	Ichneumonidae	sp. 17	BR	GM	1		7828
Hymenoptera	Ichneumonidae	sp. 17	BR	GM	2		7844
Hymenoptera	Ichneumonidae	sp. 18	BR	GM	2		7724
Hymenoptera	Ichneumonidae	sp. 18	BR	GM	1		7807
Hymenoptera	Ichneumonidae	sp. 19	BR	GM	1		7725
Hymenoptera	Ichneumonidae	sp. 19	BR	GM	1		7877
Hymenoptera	Ichneumonidae	sp. 2	BR	GM	1		479
Hymenoptera	Ichneumonidae	sp. 20	BR	GM	1		7726
Hymenoptera	Ichneumonidae	sp. 20	BR	GM	1		7738
Hymenoptera	Ichneumonidae	sp. 20	BR	GM	1		7778
Hymenoptera	Ichneumonidae	sp. 20	BR	GM	1		7835
Hymenoptera	Ichneumonidae	sp. 20	BR	GM	1		7857
Hymenoptera	Ichneumonidae	sp. 20	BR	GM	1		7876

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Ichneumonidae	sp. 21	BR	GM	1		7727
Hymenoptera	Ichneumonidae	sp. 22	BR	GM	1		7728
Hymenoptera	Ichneumonidae	sp. 22	BR	GM	1		7739
Hymenoptera	Ichneumonidae	sp. 22	BR	GM	1		7829
Hymenoptera	Ichneumonidae	sp. 22	BR	GM	1		7872
Hymenoptera	Ichneumonidae	sp. 23	BR	GM	1		7729
Hymenoptera	Ichneumonidae	sp. 23	BR	GM	8		7740
Hymenoptera	Ichneumonidae	sp. 23	BR	GM	3		7830
Hymenoptera	Ichneumonidae	sp. 24	BR	GM	1		7730
Hymenoptera	Ichneumonidae	sp. 24	BR	GM	1		7870
Hymenoptera	Ichneumonidae	sp. 25	BR	GM	1		7731
Hymenoptera	Ichneumonidae	sp. 26	BR	GM	1		7741
Hymenoptera	Ichneumonidae	sp. 27	BR	LT	1		1673
Hymenoptera	Ichneumonidae	sp. 27	BR	GM	1		7742
Hymenoptera	Ichneumonidae	sp. 28	BR	GM	1		1616
Hymenoptera	Ichneumonidae	sp. 28	BR	GM	6		7743
Hymenoptera	Ichneumonidae	sp. 28	BR	GM	3		7814
Hymenoptera	Ichneumonidae	sp. 29	BR	GM	6		7744
Hymenoptera	Ichneumonidae	sp. 29	BR	GM	7		7775
Hymenoptera	Ichneumonidae	sp. 3	BR	GM	1		535
Hymenoptera	Ichneumonidae	sp. 30	BR	GM	2		7745
Hymenoptera	Ichneumonidae	sp. 31	BR	GM	1		7746
Hymenoptera	Ichneumonidae	sp. 32	BR	GM	1		7747
Hymenoptera	Ichneumonidae	sp. 33	BR	GM	4		7748
Hymenoptera	Ichneumonidae	sp. 33	BR	GM	1		7826
Hymenoptera	Ichneumonidae	sp. 33	BR	GM	1		7848
Hymenoptera	Ichneumonidae	sp. 34	BR	GM	3		7749
Hymenoptera	Ichneumonidae	sp. 34	BR	GM	1		7779
Hymenoptera	Ichneumonidae	sp. 34	BR	GM	1		7815
Hymenoptera	Ichneumonidae	sp. 34	BR	GM	1		7862
Hymenoptera	Ichneumonidae	sp. 35	BR	GM	2		7750
Hymenoptera	Ichneumonidae	sp. 35	BR	GM	2		7880
Hymenoptera	Ichneumonidae	sp. 36	BR	GM	1		7751
Hymenoptera	Ichneumonidae	sp. 37	BR	GM	1		7752
Hymenoptera	Ichneumonidae	sp. 37	BR	GM	2		7863
Hymenoptera	Ichneumonidae	sp. 37	BR	GM	1		7891
Hymenoptera	Ichneumonidae	sp. 38	BR	GM	1		7903
Hymenoptera	Ichneumonidae	sp. 38	BR	GM	1		7753
Hymenoptera	Ichneumonidae	sp. 38	BR	GM	1		7784
Hymenoptera	Ichneumonidae	sp. 39	BR	GM	1		7754
Hymenoptera	Ichneumonidae	sp. 4	BR	GM	1		1610
Hymenoptera	Ichneumonidae	sp. 4	BR	GM	4		7777
Hymenoptera	Ichneumonidae	sp. 4	BR	GM	2		7834
Hymenoptera	Ichneumonidae	sp. 40	BR	GM	1		7755
Hymenoptera	Ichneumonidae	sp. 40	BR	GM	2		7819
Hymenoptera	Ichneumonidae	sp. 40	BR	GM	1		7845

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Ichneumonidae	sp. 40	BR	GM	1		7887
Hymenoptera	Ichneumonidae	sp. 41	BR	GM	1		7756
Hymenoptera	Ichneumonidae	sp. 41	BR	GM	1		7771
Hymenoptera	Ichneumonidae	sp. 41	BR	GM	1		7851
Hymenoptera	Ichneumonidae	sp. 42	BR	GM	2		7757
Hymenoptera	Ichneumonidae	sp. 42	BR	GM	1		7865
Hymenoptera	Ichneumonidae	sp. 43	BR	GM	1		7758
Hymenoptera	Ichneumonidae	sp. 43	BR	GM	1		7871
Hymenoptera	Ichneumonidae	sp. 43	BR	GM	1		7884
Hymenoptera	Ichneumonidae	sp. 44	BR	GM	2		7902
Hymenoptera	Ichneumonidae	sp. 44	BR	GM	1		7759
Hymenoptera	Ichneumonidae	sp. 45	BR	GM	1		7760
Hymenoptera	Ichneumonidae	sp. 46	BR	GM	1		7761
Hymenoptera	Ichneumonidae	sp. 46	BR	GM	1		7843
Hymenoptera	Ichneumonidae	sp. 47	BR	GM	2		7762
Hymenoptera	Ichneumonidae	sp. 48	BR	GM	1		7763
Hymenoptera	Ichneumonidae	sp. 49	BR	GM	1		7764
Hymenoptera	Ichneumonidae	sp. 5	BR	GM	1		1606
Hymenoptera	Ichneumonidae	sp. 50	BR	GM	1		7765
Hymenoptera	Ichneumonidae	sp. 50	BR	GM	1		7890
Hymenoptera	Ichneumonidae	sp. 51	BR	GM	1		7901
Hymenoptera	Ichneumonidae	sp. 51	BR	GM	2		7766
Hymenoptera	Ichneumonidae	sp. 51	BR	GM	1		7783
Hymenoptera	Ichneumonidae	sp. 52	BR	GM	1		7767
Hymenoptera	Ichneumonidae	sp. 53	BR	GM	1		7768
Hymenoptera	Ichneumonidae	sp. 53	BR	GM	2		7782
Hymenoptera	Ichneumonidae	sp. 53	BR	GM	12		7817
Hymenoptera	Ichneumonidae	sp. 53	BR	GM	6		7840
Hymenoptera	Ichneumonidae	sp. 53	BR	GM	2		7864
Hymenoptera	Ichneumonidae	sp. 54	BR	GM	1		7772
Hymenoptera	Ichneumonidae	sp. 55	BR	GM	1		7773
Hymenoptera	Ichneumonidae	sp. 55	BR	GM	1		7858
Hymenoptera	Ichneumonidae	sp. 56	BR	GM	1		7774
Hymenoptera	Ichneumonidae	sp. 56	BR	GM	2		7808
Hymenoptera	Ichneumonidae	sp. 56	BR	GM	1		7832
Hymenoptera	Ichneumonidae	sp. 56	BR	GM	1		7856
Hymenoptera	Ichneumonidae	sp. 57	BR	GM	1		7776
Hymenoptera	Ichneumonidae	sp. 58	BR	GM	1		7780
Hymenoptera	Ichneumonidae	sp. 59	BR	GM	1		7781
Hymenoptera	Ichneumonidae	sp. 59	BR	GM	1		7823
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	1		1614
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	1		1608
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	1		1609
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	1		1615
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	1		1612
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	2		1611

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	2		1613
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	1		7712
Hymenoptera	Ichneumonidae	sp. 6	BR	GM	4		7732
Hymenoptera	Ichneumonidae	sp. 60	BR	GM	1		7785
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	1		7787
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	2		7798
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	2		7831
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	1		7849
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	1		7869
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	1		7873
Hymenoptera	Ichneumonidae	sp. 61	BR	GM	4		7893
Hymenoptera	Ichneumonidae	sp. 62	BR	GM	1		7788
Hymenoptera	Ichneumonidae	sp. 62	BR	GM	1		7802
Hymenoptera	Ichneumonidae	sp. 63	BR	GM	1		7789
Hymenoptera	Ichneumonidae	sp. 64	BR	GM	1		7791
Hymenoptera	Ichneumonidae	sp. 64	BR	GM	1		7874
Hymenoptera	Ichneumonidae	sp. 65	BR	GM	1		7792
Hymenoptera	Ichneumonidae	sp. 65	BR	GM	1		7818
Hymenoptera	Ichneumonidae	sp. 65	BR	GM	1		7866
Hymenoptera	Ichneumonidae	sp. 66	BR	GM	1		7795
Hymenoptera	Ichneumonidae	sp. 66	BR	GM	1		7881
Hymenoptera	Ichneumonidae	sp. 67	BR	GM	1		7796
Hymenoptera	Ichneumonidae	sp. 67	BR	GM	1		7827
Hymenoptera	Ichneumonidae	sp. 67	BR	GM	2		7841
Hymenoptera	Ichneumonidae	sp. 67	BR	GM	1		7888
Hymenoptera	Ichneumonidae	sp. 68	BR	GM	1		7797
Hymenoptera	Ichneumonidae	sp. 69	BR	GM	1		7898
Hymenoptera	Ichneumonidae	sp. 69	BR	GM	1		7799
Hymenoptera	Ichneumonidae	sp. 7	BR	GM	1		7713
Hymenoptera	Ichneumonidae	sp. 7	BR	GM	1		7733
Hymenoptera	Ichneumonidae	sp. 7	BR	GM	1		7836
Hymenoptera	Ichneumonidae	sp. 70	BR	GM	1		7800
Hymenoptera	Ichneumonidae	sp. 71	BR	GM	3		7801
Hymenoptera	Ichneumonidae	sp. 71	BR	GM	1		7820
Hymenoptera	Ichneumonidae	sp. 71	BR	GM	1		7846
Hymenoptera	Ichneumonidae	sp. 71	BR	GM	2		7892
Hymenoptera	Ichneumonidae	sp. 72	BR	GM	2		7803
Hymenoptera	Ichneumonidae	sp. 72	BR	GM	2		7853
Hymenoptera	Ichneumonidae	sp. 73	BR	GM	1		7804
Hymenoptera	Ichneumonidae	sp. 74	BR	GM	2		7805
Hymenoptera	Ichneumonidae	sp. 75	BR	GM	1		7809
Hymenoptera	Ichneumonidae	sp. 75	BR	GM	1		7837
Hymenoptera	Ichneumonidae	sp. 75	BR	GM	1		7882
Hymenoptera	Ichneumonidae	sp. 76	BR	GM	1		7810
Hymenoptera	Ichneumonidae	sp. 77	BR	GM	1		7812
Hymenoptera	Ichneumonidae	sp. 78	BR	GM	1		7816

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Ichneumonidae	sp. 78	BR	GM	1		7821
Hymenoptera	Ichneumonidae	sp. 78	BR	GM	1		7883
Hymenoptera	Ichneumonidae	sp. 79	BR	GM	1		7824
Hymenoptera	Ichneumonidae	sp. 8	BR	GM	3		1607
Hymenoptera	Ichneumonidae	sp. 8	BR	GM	1		7714
Hymenoptera	Ichneumonidae	sp. 8	BR	GM	1		7770
Hymenoptera	Ichneumonidae	sp. 8	BR	GM	1		7806
Hymenoptera	Ichneumonidae	sp. 8	BR	GM	2		7852
Hymenoptera	Ichneumonidae	sp. 80	BR	GM	1		7825
Hymenoptera	Ichneumonidae	sp. 81	BR	GM	1		7833
Hymenoptera	Ichneumonidae	sp. 82	BR	GM	1		7838
Hymenoptera	Ichneumonidae	sp. 83	BR	GM	1		7842
Hymenoptera	Ichneumonidae	sp. 84	BR	GM	1		7854
Hymenoptera	Ichneumonidae	sp. 85	BR	GM	1		7860
Hymenoptera	Ichneumonidae	sp. 86	BR	GM	1		7867
Hymenoptera	Ichneumonidae	sp. 87	BR	GM	2		7897
Hymenoptera	Ichneumonidae	sp. 87	BR	GM	1		7868
Hymenoptera	Ichneumonidae	sp. 88	BR	GM	1		7878
Hymenoptera	Ichneumonidae	sp. 88	BR	GM	1		7885
Hymenoptera	Ichneumonidae	sp. 89	BR	GM	2		7886
Hymenoptera	Ichneumonidae	sp. 9	BR	GM	1		7895
Hymenoptera	Ichneumonidae	sp. 9	BR	GM	2		7715
Hymenoptera	Ichneumonidae	sp. 9	BR	GM	1		7879
Hymenoptera	Ichneumonidae	sp. 90	BR	GM	1		7894
Hymenoptera	Ichneumonidae	sp. 91	BR	LT	1		1672
Hymenoptera	Ichneumonidae	sp. 91	BR	GM	1		7899
Hymenoptera	Ichneumonidae	sp. 92	BR	GM	1		7900
Hymenoptera	Megaspilidae	sp. 1	BR	GM	1		1666
Hymenoptera	Megaspilidae	sp. 1	BR	GM	8		1670
Hymenoptera	Megaspilidae	sp. 1	BR	GM	5		1664
Hymenoptera	Megaspilidae	sp. 1	BR	GM	8		1667
Hymenoptera	Megaspilidae	sp. 1	BR	GM	7		1668
Hymenoptera	Megaspilidae	sp. 1	BR	SW	1		1677
Hymenoptera	Megaspilidae	sp. 1	BR	CO	1		1675
Hymenoptera	Megaspilidae	sp. 1	BR	GM	10		1678
Hymenoptera	Megaspilidae	sp. 1	BR	GM	5		1662
Hymenoptera	Megaspilidae	sp. 1	BR	GM	1		1671
Hymenoptera	Megaspilidae	sp. 1	BR	GM	4		1669
Hymenoptera	Megaspilidae	sp. 1	BR	GM	3		505
Hymenoptera	Megaspilidae	sp. 1	CT	GM	1		555
Hymenoptera	Megaspilidae	sp. 2	BR	LF	1		1674
Hymenoptera	Megaspilidae	sp. 2	BR	GM	1		1665
Hymenoptera	Megaspilidae	sp. 2	BR	IP	1		1676
Hymenoptera	Megaspilidae	sp. 2	BR	SB	1		1680
Hymenoptera	Megaspilidae	sp. 2	BR	GM	2		1663
Hymenoptera	Megaspilidae	sp. 2	BR	GM	1		7472

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Megaspilidae	sp. 2	BR	GM	1		7474
Hymenoptera	Megaspilidae	sp. 3	BR	GM	1		7473
Hymenoptera	Megaspilidae	sp. 4	BR	IP	1		1679
Hymenoptera	Mutillidae	sp. 1	CT	GM	3		350
Hymenoptera	Mutillidae	sp. 2	CT	GM	1		6784
Hymenoptera	Mutillidae	sp. 3	BR	GM	1		1682
Hymenoptera	Mutillidae	sp. 4	BR	GM	1		1681
Hymenoptera	Mymaridae	sp. 1	BR	GM	3		1691
Hymenoptera	Mymaridae	sp. 1	BR	GM	2		189
Hymenoptera	Mymaridae	sp. 1	BR	GM	2		190
Hymenoptera	Mymaridae	sp. 1	BR	GM	2		192
Hymenoptera	Mymaridae	sp. 1	BR	GM	7		194
Hymenoptera	Mymaridae	sp. 1	BR	GM	6		195
Hymenoptera	Mymaridae	sp. 1	BR	GM	1		196
Hymenoptera	Mymaridae	sp. 1	BR	GM	3		197
Hymenoptera	Mymaridae	sp. 1	BR	GM	3		200
Hymenoptera	Mymaridae	sp. 1	BR	GM	1		7614
Hymenoptera	Mymaridae	sp. 1	BR	GM	4		7635
Hymenoptera	Mymaridae	sp. 1	BR	GM	1		7646
Hymenoptera	Mymaridae	sp. 1	BR	GM	17		7669
Hymenoptera	Mymaridae	sp. 10	BR	GM	1		7638
Hymenoptera	Mymaridae	sp. 10	CT	GM	1		76
Hymenoptera	Mymaridae	sp. 11	BR	GM	3		1688
Hymenoptera	Mymaridae	sp. 11	BR	GM	1		7642
Hymenoptera	Mymaridae	sp. 11	CT	GM	3		561
Hymenoptera	Mymaridae	sp. 11	CT	SW	1		4724
Hymenoptera	Mymaridae	sp. 12	BR	GM	1		7643
Hymenoptera	Mymaridae	sp. 12	CT	SW	1		68
Hymenoptera	Mymaridae	sp. 12	CT	TR	1		3615
Hymenoptera	Mymaridae	sp. 13	BR	GM	1		1692
Hymenoptera	Mymaridae	sp. 13	BR	GM	1		1701
Hymenoptera	Mymaridae	sp. 13	BR	SW	1		1695
Hymenoptera	Mymaridae	sp. 13	BR	GM	1		1690
Hymenoptera	Mymaridae	sp. 13	BR	GM	2		1698
Hymenoptera	Mymaridae	sp. 13	BR	GM	1		7645
Hymenoptera	Mymaridae	sp. 13	BR	GM	2		7670
Hymenoptera	Mymaridae	sp. 13	CT	GM	2		548
Hymenoptera	Mymaridae	sp. 13	CT	GM	1		61
Hymenoptera	Mymaridae	sp. 13	CT	GM	3		7693
Hymenoptera	Mymaridae	sp. 13	CT	GM	2		7700
Hymenoptera	Mymaridae	sp. 13	CT	LT	1		65
Hymenoptera	Mymaridae	sp. 14	BR	GM	1		1689
Hymenoptera	Mymaridae	sp. 14	BR	GM	2		7656
Hymenoptera	Mymaridae	sp. 14	BR	GM	2		7668
Hymenoptera	Mymaridae	sp. 15	BR	GM	1		7671
Hymenoptera	Mymaridae	sp. 16	CT	GM	1		7681

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Mymaridae	sp. 16	CT	SW	4		3611
Hymenoptera	Mymaridae	sp. 16	CT	SW	1		3613
Hymenoptera	Mymaridae	sp. 16	CT	SW	1		7702
Hymenoptera	Mymaridae	sp. 17	CT	GM	1		7682
Hymenoptera	Mymaridae	sp. 2	BR	UC	1		1694
Hymenoptera	Mymaridae	sp. 2	BR	IP	1		1696
Hymenoptera	Mymaridae	sp. 2	BR	GM	7		1699
Hymenoptera	Mymaridae	sp. 2	BR	GM	3		501
Hymenoptera	Mymaridae	sp. 2	BR	GM	2		198
Hymenoptera	Mymaridae	sp. 2	BR	SW	1		199
Hymenoptera	Mymaridae	sp. 2	BR	LC	1		202
Hymenoptera	Mymaridae	sp. 2	BR	GM	2		7590
Hymenoptera	Mymaridae	sp. 2	BR	GM	4		7594
Hymenoptera	Mymaridae	sp. 2	BR	GM	2		7605
Hymenoptera	Mymaridae	sp. 2	BR	GM	3		7619
Hymenoptera	Mymaridae	sp. 2	BR	GM	1		7647
Hymenoptera	Mymaridae	sp. 2	BR	GM	6		7652
Hymenoptera	Mymaridae	sp. 2	CT	GM	2		7394
Hymenoptera	Mymaridae	sp. 2	CT	GM	1		7699
Hymenoptera	Mymaridae	sp. 3	BR	GM	1		1697
Hymenoptera	Mymaridae	sp. 3	BR	GM	2		1687
Hymenoptera	Mymaridae	sp. 3	BR	GM	1		193
Hymenoptera	Mymaridae	sp. 3	BR	GM	1		201
Hymenoptera	Mymaridae	sp. 3	BR	GM	9		7592
Hymenoptera	Mymaridae	sp. 3	BR	GM	1		7593
Hymenoptera	Mymaridae	sp. 3	BR	GM	2		7595
Hymenoptera	Mymaridae	sp. 3	BR	GM	3		7598
Hymenoptera	Mymaridae	sp. 3	BR	GM	2		7602
Hymenoptera	Mymaridae	sp. 3	BR	GM	3		7606
Hymenoptera	Mymaridae	sp. 3	BR	SW	1		7616
Hymenoptera	Mymaridae	sp. 3	BR	GM	5		7621
Hymenoptera	Mymaridae	sp. 3	BR	GM	1		7628
Hymenoptera	Mymaridae	sp. 3	BR	GM	2		7636
Hymenoptera	Mymaridae	sp. 3	BR	GM	1		7648
Hymenoptera	Mymaridae	sp. 3	BR	GM	18		7653
Hymenoptera	Mymaridae	sp. 3	BR	GM	18		7667
Hymenoptera	Mymaridae	sp. 3	CT	GM	2		546
Hymenoptera	Mymaridae	sp. 3	CT	GM	3		577
Hymenoptera	Mymaridae	sp. 3	CT	GM	1		7688
Hymenoptera	Mymaridae	sp. 3	CT	GM	2		7696
Hymenoptera	Mymaridae	sp. 4	BR	GM	2		1686
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		203
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7599
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7625
Hymenoptera	Mymaridae	sp. 4	BR	SW	1		7629
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7634

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7640
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7644
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7649
Hymenoptera	Mymaridae	sp. 4	BR	GM	4		7654
Hymenoptera	Mymaridae	sp. 4	BR	GM	1		7677
Hymenoptera	Mymaridae	sp. 4	CT	GM	2		3609
Hymenoptera	Mymaridae	sp. 4	CT	GM	1		7697
Hymenoptera	Mymaridae	sp. 4	CT	SW	1		7703
Hymenoptera	Mymaridae	sp. 5	BR	GM	1		7601
Hymenoptera	Mymaridae	sp. 5	BR	GM	1		7659
Hymenoptera	Mymaridae	sp. 5	BR	GM	1		7674
Hymenoptera	Mymaridae	sp. 6	BR	GM	1		1700
Hymenoptera	Mymaridae	sp. 6	BR	GM	1		1693
Hymenoptera	Mymaridae	sp. 6	BR	GM	1		7603
Hymenoptera	Mymaridae	sp. 6	BR	GM	1		7620
Hymenoptera	Mymaridae	sp. 6	BR	GM	1		7637
Hymenoptera	Mymaridae	sp. 6	BR	GM	1		7641
Hymenoptera	Mymaridae	sp. 6	BR	GM	2		7658
Hymenoptera	Mymaridae	sp. 6	CT	GM	1		7680
Hymenoptera	Mymaridae	sp. 6	CT	SW	1		3612
Hymenoptera	Mymaridae	sp. 6	CT	SW	1		7692
Hymenoptera	Mymaridae	sp. 7	BR	GM	2		7608
Hymenoptera	Mymaridae	sp. 7	BR	GM	1		7615
Hymenoptera	Mymaridae	sp. 7	BR	GM	1		7660
Hymenoptera	Mymaridae	sp. 7	BR	GM	3		7673
Hymenoptera	Mymaridae	sp. 7	CT	GM	1		7686
Hymenoptera	Mymaridae	sp. 7	CT	GM	1		7689
Hymenoptera	Mymaridae	sp. 7	CT	GM	1		7698
Hymenoptera	Mymaridae	sp. 8	BR	SW	2		459
Hymenoptera	Mymaridae	sp. 8	BR	SW	1		447
Hymenoptera	Mymaridae	sp. 8	BR	GM	3		7632
Hymenoptera	Mymaridae	sp. 8	CT	GM	1		7685
Hymenoptera	Mymaridae	sp. 9	BR	SW	1		470
Hymenoptera	Mymaridae	sp. 9	BR	GM	1		7633
Hymenoptera	Mymaridae	sp. 9	BR	GM	1		7655
Hymenoptera	Mymaridae	sp. 9	CT	GM	1		346
Hymenoptera	Mymaridae	sp. 9	CT	SW	1		3614
Hymenoptera	Mymaridae	sp. 9	CT	SW	4		3610
Hymenoptera	Mymaridae	unknown	BR	GM	2		7661
Hymenoptera	Perilampidae	sp. 1	BR	GM	1		1685
Hymenoptera	Perilampidae	sp. 2	CT	GM	1		3616
Hymenoptera	Perilampidae	sp. 3	CT	GM	1		54
Hymenoptera	Platygastridae	sp. 1	BR	SW	1		1712
Hymenoptera	Platygastridae	sp. 1	BR	SW	1		1711
Hymenoptera	Platygastridae	sp. 1	BR	SW	1		469
Hymenoptera	Platygastridae	sp. 1	BR	SW	1		442

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Platygastridae	sp. 1	BR	GM	2		7534
Hymenoptera	Platygastridae	sp. 1	BR	GM	2		7557
Hymenoptera	Platygastridae	sp. 1	CT	SW	1		3602
Hymenoptera	Platygastridae	sp. 1	CT	TR	1		3617
Hymenoptera	Platygastridae	sp. 10	BR	GM	1		7543
Hymenoptera	Platygastridae	sp. 10	BR	GM	3		7559
Hymenoptera	Platygastridae	sp. 10	CT	GM	1		7576
Hymenoptera	Platygastridae	sp. 10	CT	SW	1		4719
Hymenoptera	Platygastridae	sp. 11	BR	SW	1		7568
Hymenoptera	Platygastridae	sp. 12	BR	SW	1		7569
Hymenoptera	Platygastridae	sp. 13	BR	IP	1		1715
Hymenoptera	Platygastridae	sp. 13	BR	IP	1		1716
Hymenoptera	Platygastridae	sp. 13	BR	IP	1		1714
Hymenoptera	Platygastridae	sp. 13	BR	IP	1		1717
Hymenoptera	Platygastridae	sp. 14	CT	GM	1		3607
Hymenoptera	Platygastridae	sp. 14	CT	GM	1		493
Hymenoptera	Platygastridae	sp. 15	CT	GM	1		7572
Hymenoptera	Platygastridae	sp. 16	CT	GM	1		7573
Hymenoptera	Platygastridae	sp. 16	CT	GM	1		7577
Hymenoptera	Platygastridae	sp. 16	CT	SW	1		7582
Hymenoptera	Platygastridae	sp. 17	CT	SW	1		7581
Hymenoptera	Platygastridae	sp. 18	CT	SW	1		7585
Hymenoptera	Platygastridae	sp. 2	BR	IP	1		1718
Hymenoptera	Platygastridae	sp. 2	BR	SW	1		1710
Hymenoptera	Platygastridae	sp. 2	BR	SW	1		446
Hymenoptera	Platygastridae	sp. 2	BR	GM	1		7553
Hymenoptera	Platygastridae	sp. 2	CT	GM	1		7574
Hymenoptera	Platygastridae	sp. 3	BR	SW	1		7527
Hymenoptera	Platygastridae	sp. 3	BR	SW	1		7567
Hymenoptera	Platygastridae	sp. 3	CT	SW	1		339
Hymenoptera	Platygastridae	sp. 4	BR	GM	2		1703
Hymenoptera	Platygastridae	sp. 4	BR	GM	9		1707
Hymenoptera	Platygastridae	sp. 4	BR	TR	1		453
Hymenoptera	Platygastridae	sp. 4	BR	GM	1		503
Hymenoptera	Platygastridae	sp. 4	BR	GM	1		7539
Hymenoptera	Platygastridae	sp. 4	BR	GM	3		7546
Hymenoptera	Platygastridae	sp. 4	BR	GM	1		7551
Hymenoptera	Platygastridae	sp. 4	CT	GM	1		3603
Hymenoptera	Platygastridae	sp. 4	CT	SW	1		3605
Hymenoptera	Platygastridae	sp. 5	BR	SW	1		460
Hymenoptera	Platygastridae	sp. 5	BR	GM	2		7536
Hymenoptera	Platygastridae	sp. 5	BR	GM	1		7554
Hymenoptera	Platygastridae	sp. 5	BR	GM	2		7560
Hymenoptera	Platygastridae	sp. 6	BR	SW	1		1713
Hymenoptera	Platygastridae	sp. 6	BR	LC	1		1708
Hymenoptera	Platygastridae	sp. 6	BR	SW	1		481

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Platygastridae	sp. 6	CT	GM	1		558
Hymenoptera	Platygastridae	sp. 7	BR	GM	2		1705
Hymenoptera	Platygastridae	sp. 7	BR	GM	1		1704
Hymenoptera	Platygastridae	sp. 7	BR	GM	1		1702
Hymenoptera	Platygastridae	sp. 7	BR	GM	1		1706
Hymenoptera	Platygastridae	sp. 7	BR	GM	1		7535
Hymenoptera	Platygastridae	sp. 7	BR	GM	1		7555
Hymenoptera	Platygastridae	sp. 8	BR	SW	1		1709
Hymenoptera	Platygastridae	sp. 8	BR	GM	1		7541
Hymenoptera	Platygastridae	sp. 8	BR	GM	1		7547
Hymenoptera	Platygastridae	sp. 8	BR	GM	3		7552
Hymenoptera	Platygastridae	sp. 8	CT	LC	1		3608
Hymenoptera	Platygastridae	sp. 9	BR	GM	1		7542
Hymenoptera	Platygastridae	sp. 9	BR	GM	1		7545
Hymenoptera	Platygastridae	sp. 9	BR	GM	1		7561
Hymenoptera	Platygastridae	sp. 9	CT	GM	1		7575
Hymenoptera	Platygastridae	sp. 9	CT	LT	1		3604
Hymenoptera	Platygastridae	sp. 9	CT	SW	2		3606
Hymenoptera	Platygastridae	sp. 9	CT	SW	1		7584
Hymenoptera	Pompilidae	sp. 1	BR	TR	1		1741
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		1727
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		1724
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		1722
Hymenoptera	Pompilidae	sp. 1	BR	GM	2		1731
Hymenoptera	Pompilidae	sp. 1	BR	GM	2		1732
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		1736
Hymenoptera	Pompilidae	sp. 1	BR	GM	3		1723
Hymenoptera	Pompilidae	sp. 1	BR	GM	6		1729
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		1721
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		6871
Hymenoptera	Pompilidae	sp. 1	BR	GM	1		6876
Hymenoptera	Pompilidae	sp. 1	CT	GM	1		3618
Hymenoptera	Pompilidae	sp. 1	CT	GM	1		485
Hymenoptera	Pompilidae	sp. 1	CT	TR	1		3619
Hymenoptera	Pompilidae	sp. 2	BR	GM	1		1739
Hymenoptera	Pompilidae	sp. 2	BR	GM	2		472
Hymenoptera	Pompilidae	sp. 2	BR	GM	1		484
Hymenoptera	Pompilidae	sp. 2	BR	GM	1		6868
Hymenoptera	Pompilidae	sp. 2	BR	GM	3		6866
Hymenoptera	Pompilidae	sp. 2	BR	GM	3		6865
Hymenoptera	Pompilidae	sp. 2	BR	GM	1		6873
Hymenoptera	Pompilidae	sp. 2	CT	GM	1		6831
Hymenoptera	Pompilidae	sp. 2	CT	GM	1		6835
Hymenoptera	Pompilidae	sp. 3	BR	GM	1		1735
Hymenoptera	Pompilidae	sp. 3	BR	GM	4		1726
Hymenoptera	Pompilidae	sp. 3	BR	GM	1		1734

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Pompilidae	sp. 3	BR	GM	3		1738
Hymenoptera	Pompilidae	sp. 3	BR	TR	1		1740
Hymenoptera	Pompilidae	sp. 3	BR	GM	2		1730
Hymenoptera	Pompilidae	sp. 3	BR	GM	2		6867
Hymenoptera	Pompilidae	sp. 3	BR	GM	1		6836
Hymenoptera	Pompilidae	sp. 3	BR	GM	1		6869
Hymenoptera	Pompilidae	sp. 3	BR	GM	2		6874
Hymenoptera	Pompilidae	sp. 3	CT	GM	1		550
Hymenoptera	Pompilidae	sp. 3	CT	GM	1		6832
Hymenoptera	Pompilidae	sp. 4	CT	GM	1		6834
Hymenoptera	Pompilidae	sp. 5	CT	GM	1		6833
Hymenoptera	Pompilidae	sp. 6	BR	GM	1		6870
Hymenoptera	Pompilidae	sp. 6	BR	GM	1		6837
Hymenoptera	Pompilidae	sp. 7	BR	GM	1		6838
Hymenoptera	Pompilidae	sp. 8	BR	GM	1		1728
Hymenoptera	Pompilidae	sp. 8	BR	GM	9		1733
Hymenoptera	Pompilidae	sp. 8	BR	GM	1		1725
Hymenoptera	Pompilidae	sp. 8	BR	GM	1		1737
Hymenoptera	Pompilidae	sp. 8	BR	GM	4		6872
Hymenoptera	Pompilidae	sp. 8	BR	GM	2		6875
Hymenoptera	Pteromalidae	sp. 1	CT	IP	1		4716
Hymenoptera	Pteromalidae	sp. 10	BR	GM	1		6818
Hymenoptera	Pteromalidae	sp. 11	BR	SW	1		514
Hymenoptera	Pteromalidae	sp. 11	CT	GM	3		6825
Hymenoptera	Pteromalidae	sp. 12	BR	GM	1		6821
Hymenoptera	Pteromalidae	sp. 13	BR	GM	1		526
Hymenoptera	Pteromalidae	sp. 14	BR	GM	1		533
Hymenoptera	Pteromalidae	sp. 14	CT	GM	1		6827
Hymenoptera	Pteromalidae	sp. 2	CT	GM	1		55
Hymenoptera	Pteromalidae	sp. 3	CT	GM	1		67
Hymenoptera	Pteromalidae	sp. 4	CT	GM	1		78
Hymenoptera	Pteromalidae	sp. 4	CT	GM	3		344
Hymenoptera	Pteromalidae	sp. 5	CT	GM	1		6826
Hymenoptera	Pteromalidae	sp. 5	CT	SB	1		66
Hymenoptera	Pteromalidae	sp. 6	BR	SW	1		464
Hymenoptera	Pteromalidae	sp. 7	BR	LT	1		451
Hymenoptera	Pteromalidae	sp. 8	BR	GM	1		455
Hymenoptera	Pteromalidae	sp. 8	CT	GM	1		6824
Hymenoptera	Pteromalidae	sp. 9	BR	IP	1		1744
Hymenoptera	Pteromalidae	sp. 9	BR	GM	1		502
Hymenoptera	Pteromalidae	sp. 9	BR	GM	1		6822
Hymenoptera	Scelionidae	sp. 1	BR	IP	2		3386
Hymenoptera	Scelionidae	sp. 1	BR	GM	1		1750
Hymenoptera	Scelionidae	sp. 1	BR	IP	1		3393
Hymenoptera	Scelionidae	sp. 1	BR	IP	3		3392
Hymenoptera	Scelionidae	sp. 1	BR	IP	2		3402

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Scelionidae	sp. 1	BR	IP	1		3388
Hymenoptera	Scelionidae	sp. 1	BR	GM	1		1757
Hymenoptera	Scelionidae	sp. 1	BR	GM	1		1755
Hymenoptera	Scelionidae	sp. 1	BR	TR	1		3407
Hymenoptera	Scelionidae	sp. 1	BR	GM	2		1756
Hymenoptera	Scelionidae	sp. 1	BR	GM	2		1759
Hymenoptera	Scelionidae	sp. 1	BR	GM	3		1749
Hymenoptera	Scelionidae	sp. 1	BR	GM	3		1748
Hymenoptera	Scelionidae	sp. 1	BR	IP	1		456
Hymenoptera	Scelionidae	sp. 1	BR	SW	1		457
Hymenoptera	Scelionidae	sp. 1	BR	GM	2		504
Hymenoptera	Scelionidae	sp. 1	BR	GM	1		523
Hymenoptera	Scelionidae	sp. 1	BR	GM	1		191
Hymenoptera	Scelionidae	sp. 1	CT	GM	1		492
Hymenoptera	Scelionidae	sp. 1	CT	GM	1		557
Hymenoptera	Scelionidae	sp. 1	CT	IP	1		3620
Hymenoptera	Scelionidae	sp. 1	CT	SW	1		3624
Hymenoptera	Scelionidae	sp. 1	CT	SW	1		4722
Hymenoptera	Scelionidae	sp. 10	CT	IP	1		7509
Hymenoptera	Scelionidae	sp. 2	BR	IP	1		3398
Hymenoptera	Scelionidae	sp. 2	BR	SW	1		3404
Hymenoptera	Scelionidae	sp. 2	BR	GM	1		1758
Hymenoptera	Scelionidae	sp. 2	BR	SW	1		3405
Hymenoptera	Scelionidae	sp. 2	BR	GM	7		1754
Hymenoptera	Scelionidae	sp. 2	BR	GM	1		482
Hymenoptera	Scelionidae	sp. 2	BR	IP	1		511
Hymenoptera	Scelionidae	sp. 2	BR	SW	1		534
Hymenoptera	Scelionidae	sp. 2	BR	GM	1		536
Hymenoptera	Scelionidae	sp. 2	BR	IP	1		7500
Hymenoptera	Scelionidae	sp. 2	BR	SW	1		7496
Hymenoptera	Scelionidae	sp. 2	BR	GM	1		7498
Hymenoptera	Scelionidae	sp. 2	BR	GM	4		7499
Hymenoptera	Scelionidae	sp. 2	CT	GM	18		3626
Hymenoptera	Scelionidae	sp. 2	CT	GM	1		351
Hymenoptera	Scelionidae	sp. 2	CT	GM	7		7510
Hymenoptera	Scelionidae	sp. 2	CT	GM	12		7501
Hymenoptera	Scelionidae	sp. 2	CT	IP	1		3630
Hymenoptera	Scelionidae	sp. 2	CT	IP	1		3622
Hymenoptera	Scelionidae	sp. 2	CT	IP	2		3633
Hymenoptera	Scelionidae	sp. 2	CT	IP	1		3631
Hymenoptera	Scelionidae	sp. 2	CT	LT	1		3625
Hymenoptera	Scelionidae	sp. 2	CT	SW	1		3634
Hymenoptera	Scelionidae	sp. 2	CT	SW	2		3640
Hymenoptera	Scelionidae	sp. 2	CT	SW	1		3637
Hymenoptera	Scelionidae	sp. 2	CT	SW	4		3628
Hymenoptera	Scelionidae	sp. 2	CT	SW	1		3641

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Scelionidae	sp. 2	CT	SW	3		3629
Hymenoptera	Scelionidae	sp. 2	CT	SW	2		3635
Hymenoptera	Scelionidae	sp. 2	CT	SW	1		70
Hymenoptera	Scelionidae	sp. 2	CT	SW	1		599
Hymenoptera	Scelionidae	sp. 2	CT	SW	13		7470
Hymenoptera	Scelionidae	sp. 2	CT	SW	1		6813
Hymenoptera	Scelionidae	sp. 3	BR	GM	1		1753
Hymenoptera	Scelionidae	sp. 3	BR	IP	1		3399
Hymenoptera	Scelionidae	sp. 3	BR	IP	1		3401
Hymenoptera	Scelionidae	sp. 3	BR	IP	2		3391
Hymenoptera	Scelionidae	sp. 3	BR	IP	1		3397
Hymenoptera	Scelionidae	sp. 3	BR	IP	1		3387
Hymenoptera	Scelionidae	sp. 3	BR	SW	1		3403
Hymenoptera	Scelionidae	sp. 3	BR	GM	2		7492
Hymenoptera	Scelionidae	sp. 3	BR	GM	1		7495
Hymenoptera	Scelionidae	sp. 3	CT	CO	1		3638
Hymenoptera	Scelionidae	sp. 3	CT	CO	1		3639
Hymenoptera	Scelionidae	sp. 3	CT	SW	3		3623
Hymenoptera	Scelionidae	sp. 4	BR	GM	1		1752
Hymenoptera	Scelionidae	sp. 4	BR	IP	2		3395
Hymenoptera	Scelionidae	sp. 4	BR	IP	1		3394
Hymenoptera	Scelionidae	sp. 4	BR	IP	1		3390
Hymenoptera	Scelionidae	sp. 4	BR	CO	1		3406
Hymenoptera	Scelionidae	sp. 4	BR	SW	1		7497
Hymenoptera	Scelionidae	sp. 4	CT	IP	1		3632
Hymenoptera	Scelionidae	sp. 4	CT	IP	1		7508
Hymenoptera	Scelionidae	sp. 4	CT	SW	1		3636
Hymenoptera	Scelionidae	sp. 4	CT	SW	1		7471
Hymenoptera	Scelionidae	sp. 4	CT	SW	2		7507
Hymenoptera	Scelionidae	sp. 4	CT	SW	4		7469
Hymenoptera	Scelionidae	sp. 4	CT	SW	1		7503
Hymenoptera	Scelionidae	sp. 4	CT	SW	2		7506
Hymenoptera	Scelionidae	sp. 5	BR	LF	1		3408
Hymenoptera	Scelionidae	sp. 5	BR	IP	1		3400
Hymenoptera	Scelionidae	sp. 6	BR	IP	1		1760
Hymenoptera	Scelionidae	sp. 6	BR	IP	1		3396
Hymenoptera	Scelionidae	sp. 6	BR	IP	2		3389
Hymenoptera	Scelionidae	sp. 6	BR	GM	2		1751
Hymenoptera	Scelionidae	sp. 6	BR	IP	1		1040
Hymenoptera	Scelionidae	sp. 6	CT	IP	1		7504
Hymenoptera	Scelionidae	sp. 7	BR	TR	1		515
Hymenoptera	Scelionidae	sp. 7	BR	GM	1		531
Hymenoptera	Scelionidae	sp. 7	BR	GM	1		7493
Hymenoptera	Scelionidae	sp. 7	BR	GM	2		7494
Hymenoptera	Scelionidae	sp. 7	CT	GM	1		7502
Hymenoptera	Scelionidae	sp. 7	CT	IP	1		3621

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Scelionidae	sp. 7	CT	SW	1		7505
Hymenoptera	Scelionidae	sp. 8	CT	GM	3		3627
Hymenoptera	Scelionidae	sp. 9	CT	GM	1		80
Hymenoptera	Sierolomorphidae	<i>Sierolomorpha</i> sp. 1	BR	GM	1		1747
Hymenoptera	Sierolomorphidae	<i>Sierolomorpha</i> sp. 1	BR	GM	1		510
Hymenoptera	Sierolomorphidae	<i>Sierolomorpha</i> sp. 1	BR	GM	2		529
Hymenoptera	Sphecidae	sp. 1	BR	GM	3		3414
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		3411
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		3413
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		3417
Hymenoptera	Sphecidae	sp. 1	BR	GM	4		3416
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		3410
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		3412
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		474
Hymenoptera	Sphecidae	sp. 1	BR	GM	1		3415
Hymenoptera	Sphecidae	sp. 1	CT	GM	2		3642
Hymenoptera	Sphecidae	sp. 1	CT	GM	1		3643
Hymenoptera	Sphecidae	sp. 1	CT	GM	3		486
Hymenoptera	Sphecidae	sp. 1	CT	GM	1		349
Hymenoptera	Sphecidae	sp. 2	BR	GM	1		480
Hymenoptera	Sphecidae	sp. 2	BR	GM	1		509
Hymenoptera	Sphecidae	sp. 2	CT	GM	1		6792
Hymenoptera	Sphecidae	sp. 2	CT	GM	1		6785
Hymenoptera	Sphecidae	sp. 3	CT	GM	5		6789
Hymenoptera	Sphecidae	sp. 4	CT	GM	1		6791
Hymenoptera	Sphecidae	sp. 4	CT	GM	1		6790
Hymenoptera	Sphecidae	sp. 5	CT	GM	1		6793
Hymenoptera	Tenthredinidae	sp. 1	BR	GM	1		3420
Hymenoptera	Tenthredinidae	sp. 1	BR	GM	2		3418
Hymenoptera	Tenthredinidae	sp. 1	BR	GM	1		3421
Hymenoptera	Tenthredinidae	sp. 1	CT	GM	3		3644
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	1		3425
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	1		3428
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	2		3423
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	3		3426
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	2		3419
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	1		3422
Hymenoptera	Tenthredinidae	sp. 2	BR	GM	1		3427
Hymenoptera	Tenthredinidae	sp. 3	BR	GM	1		6800
Hymenoptera	Tenthredinidae	sp. 4	BR	GM	1		6802
Hymenoptera	Tenthredinidae	sp. 4	BR	GM	1		6801
Hymenoptera	Tenthredinidae	sp. 5	BR	GM	1		6803
Hymenoptera	Tiphiidae	sp. 1	CT	IP	1		3647
Hymenoptera	Tiphiidae	sp. 2	BR	GM	1		3431
Hymenoptera	Tiphiidae	sp. 2	BR	GM	1		475
Hymenoptera	Tiphiidae	sp. 2	CT	GM	2		3646

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Hymenoptera	Tiphiidae	sp. 2	CT	GM	1		490
Hymenoptera	Tiphiidae	sp. 3	CT	SW	1		3645
Hymenoptera	Tiphiidae	sp. 4	BR	GM	1		3432
Hymenoptera	Tiphiidae	sp. 5	BR	GM	1		3430
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3453
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3449
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	3		3447
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3450
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3443
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	12		3446
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3445
Hymenoptera	Trichogrammatidae	sp. 1	BR	SW	1		3444
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	11		3455
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3452
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3442
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	3		3448
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	1		3454
Hymenoptera	Trichogrammatidae	sp. 1	BR	GM	43		3451
Hymenoptera	Trichogrammatidae	sp. 1	CT	GM	1		547
Hymenoptera	Trichogrammatidae	sp. 1	CT	GM	1		549
Hymenoptera	Trichogrammatidae	sp. 1	CT	GM	1		627
Hymenoptera	Trichogrammatidae	sp. 2	CT	SW	1		71
Hymenoptera	Trigonalidae	sp. 1	BR	GM	4		3434
Hymenoptera	Trigonalidae	sp. 1	BR	GM	1		3433
Hymenoptera	Trigonalidae	sp. 1	BR	GM	1		3438
Hymenoptera	Vespidae	<i>Dolichovespula maculata</i> (L.)	CT	GM	1		3649
Hymenoptera	Vespidae	<i>Dolichovespula maculata</i> (L.)	CT	GM	1		3650
Hymenoptera	Vespidae	<i>Polistes</i> sp.	PA	GM	1		7515
Hymenoptera	Vespidae	sp. 1	BR	GM	1		3435
Hymenoptera	Vespidae	sp. 1	BR	GM	1		3439
Hymenoptera	Vespidae	sp. 2	BR	GM	1		6804
Hymenoptera	Vespidae	sp. 4	CT	GM	3		6811
Hymenoptera	Vespidae	sp. 5	CT	GM	1		488
Hymenoptera	Vespidae	sp. 5	CT	GM	1		554
Hymenoptera	Vespidae	sp. 5	CT	GM	1		6812
Hymenoptera	Vespidae	<i>Vespula maculifrons</i> (Buysson)	PA	GM	1		7517
Hymenoptera	Vespidae	<i>Vespula</i> sp. 1	BR	GM	2		3436
Hymenoptera	Vespidae	<i>Vespula</i> sp. 1	BR	GM	1		3440
Hymenoptera	Vespidae	<i>Vespula</i> sp. 1	BR	GM	1		3437
Hymenoptera	Vespidae	<i>Vespula</i> sp. 1	BR	GM	1		3441
Hymenoptera	Vespidae	<i>Vespula</i> sp. 1	CT	GM	2		3648
Hymenoptera	Vespidae	<i>Vespula</i> sp. 1	CT	GM	2		3651
Isopoda	Oniscidae	sp. 1	BR	LF	1		2757
Isopoda	Oniscidae	sp. 1	BR	LF	1		2758
Isopoda	Oniscidae	sp. 1	BR	LF	3		2759
Isopoda	Oniscidae	sp. 1	BR	IP	1		2760

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Isopoda	Oniscidae	sp. 1	BR	LF	3		2761
Isopoda	Oniscidae	sp. 1	BR	IP	1		2762
Isopoda	Oniscidae	sp. 1	BR	LF	1		2763
Isopoda	Oniscidae	sp. 1	BR	SB	1		2765
Isopoda	Oniscidae	sp. 1	BR	SB	3		2766
Isopoda	Oniscidae	sp. 1	BR	SB	1		2768
Isopoda	Oniscidae	sp. 1	BR	SB	1		2769
Isopoda	Oniscidae	sp. 1	BR	SB	3		2770
Isopoda	Oniscidae	sp. 1	BR	SB	1		2772
Isopoda	Oniscidae	sp. 1	BR	SB	3		2774
Isopoda	Oniscidae	sp. 1	BR	IP	1		2776
Isopoda	Oniscidae	sp. 1	BR	IP	1		2777
Isopoda	Oniscidae	sp. 1	BR	IP	1		2778
Isopoda	Oniscidae	sp. 1	BR	IP	1		2779
Isopoda	Oniscidae	sp. 1	BR	SB	2		2780
Isopoda	Oniscidae	sp. 1	BR	SB	1		2781
Isopoda	Oniscidae	sp. 1	CT	IP	1		1934
Isopoda	Oniscidae	sp. 1	CT	IP	2		1936
Isopoda	Oniscidae	sp. 1	CT	IP	3		2742
Isopoda	Oniscidae	sp. 1	CT	IP	2		2746
Isopoda	Oniscidae	sp. 1	CT	IP	3		2748
Isopoda	Oniscidae	sp. 1	CT	IP	3		2749
Isopoda	Oniscidae	sp. 1	CT	IP	2		2750
Isopoda	Oniscidae	sp. 1	CT	IP	2		2752
Isopoda	Oniscidae	sp. 1	CT	IP	2		2753
Isopoda	Oniscidae	sp. 1	CT	SB	2		1935
Isopoda	Oniscidae	sp. 1	CT	SB	1		2743
Isopoda	Oniscidae	sp. 1	CT	SB	1		2744
Isopoda	Oniscidae	sp. 1	CT	SB	1		2745
Isopoda	Oniscidae	sp. 1	CT	SB	4		2747
Isopoda	Oniscidae	sp. 1	CT	SB	4		2751
Isopoda	Oniscidae	sp. 1	CT	SB	4		2754
Isopoda	Oniscidae	sp. 1	CT	SB	4		2755
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	BR	SB	7	M. Hutchinson	6519
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	BR	SB	1	M. Hutchinson	6516
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	BR	SB	1	M. Hutchinson	6521
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	BR	SB	1	M. Hutchinson	6517
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	BR	SB	2	M. Hutchinson	6518
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	BR	SB	2	M. Hutchinson	6520
Isoptera	Rhinotermitidae	<i>Reticulitermes flavipes</i> (Kollar)	CT	SB	6	M. Hutchinson	6568
Lepidoptera	Acrolophidae	<i>Acrolophus arcanella</i>	CT	LT	1		5322
Lepidoptera	Acrolophidae	<i>Acrolophus arcanella</i> (Clemens)	BR	LT	1		5584
Lepidoptera	Acrolophidae	<i>Acrolophus arcanella</i> (Clemens)	BR	LT	1		5632
Lepidoptera	Acrolophidae	<i>Acrolophus arcanella</i> (Clemens)	BR	LT	1		5633
Lepidoptera	Acrolophidae	<i>Acrolophus arcanella</i> (Clemens)	BR	LT	1		5634
Lepidoptera	Acrolophidae	<i>Acrolophus arcanella</i> (Clemens)	BR	LT	1		5638

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Arctiidae	<i>Cisthene plumbea</i> Stretch	BR	LT	1		5554
Lepidoptera	Arctiidae	<i>Cisthene plumbea</i> Stretch	BR	LT	1		5658
Lepidoptera	Arctiidae	<i>Cisthene plumbea</i> Stretch	BR	LT	1		5659
Lepidoptera	Arctiidae	<i>Clemensia albata</i> Packard	BR	LT	1		5347
Lepidoptera	Arctiidae	<i>Clemensia albata</i> Packard	BR	LT	1		5647
Lepidoptera	Arctiidae	<i>Clemensia albata</i> Packard	BR	LT	1		5735
Lepidoptera	Arctiidae	<i>Clemensia albata</i> Packard	BR	LT	1		5745
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5227
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5316
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5319
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5821
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5827
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5828
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5829
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5830
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5831
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5832
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	LT	1		5874
Lepidoptera	Arctiidae	<i>Cycnia tenera</i> Hubner	CT	SW	1		4298
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5358
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5359
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5360
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5361
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5362
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5363
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5364
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5365
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	LT	1		5366
Lepidoptera	Arctiidae	<i>Grammia anna</i> (Grote)	BR	GM	1		4125
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5504
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5505
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5506
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5507
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5508
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5509
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5510
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5511
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5512
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5513
Lepidoptera	Arctiidae	<i>Halysidota tessellarius</i> (Smith)	BR	LT	1		5514
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5367
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5368
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5369
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5370
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5371
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5372

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5373
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5374
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5375
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5376
Lepidoptera	Arctiidae	<i>Haploa lecontei</i> (Guerin-Meneville)	BR	LT	1		5377
Lepidoptera	Arctiidae	<i>Holomelina immaculata</i> (Reakirt)	BR	LT	1		5646
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5515
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5516
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5517
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5518
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5519
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5520
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5521
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5522
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5523
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5524
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5525
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5526
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5527
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5528
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5529
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5530
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5531
Lepidoptera	Arctiidae	<i>Hyphantria cunea</i> (Drury)	BR	LT	1		5532
Lepidoptera	Arctiidae	<i>Hypoprepia fucosa</i> Hubner	CT	LT	1		5252
Lepidoptera	Arctiidae	<i>Hypoprepia fucosa</i> Hubner	CT	LT	1		5259
Lepidoptera	Arctiidae	<i>Hypoprepia fucosa</i> Hubner	CT	LT	1		5287
Lepidoptera	Arctiidae	<i>Isia isabella</i> (Smith)	BR	LT	1		5483
Lepidoptera	Arctiidae	<i>Isia isabella</i> (Smith)	BR	LT	1		5484
Lepidoptera	Arctiidae	<i>Laphocampa caryae</i> (Harris)	BR	LT	1		5485
Lepidoptera	Arctiidae	<i>Laphocampa caryae</i> (Harris)	BR	LT	1		5486
Lepidoptera	Arctiidae	<i>Laphocampa caryae</i> (Harris)	BR	LT	1		5487
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5489
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5490
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5491
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5492
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5493
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5494
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5495
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5496
Lepidoptera	Arctiidae	<i>Spilosoma congrua</i> (Walker)	BR	LT	1		5497
Lepidoptera	Arctiidae	<i>Spilosoma</i> sp. 1	BR	LT	1		5498
Lepidoptera	Arctiidae	<i>Spilosoma</i> sp. 1	BR	LT	1		5499
Lepidoptera	Arctiidae	<i>Spilosoma</i> sp. 1	BR	LT	1		5500
Lepidoptera	Arctiidae	<i>Spilosoma virginica</i> (F.)	CT	LT	1		5317
Lepidoptera	Arctiidae	<i>Spilosoma virginica</i> (F.)	CT	LT	1		5875

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Blastobasidae	sp. 1	BR	LT	1		5738
Lepidoptera	Blastobasidae	sp. 1	BR	LT	1		5756
Lepidoptera	Blastobasidae	sp. 1	BR	LT	1		5768
Lepidoptera	Blastobasidae	sp. 2	BR	LT	1		5740
Lepidoptera	Cosmopterigidae	<i>Cosmopterix gemmiferella</i>	BR	GM	1		4112
Lepidoptera	Cosmopterigidae	<i>Cosmopterix gemmiferella</i>	BR	GM	1		4189
Lepidoptera	Cosmopterigidae	<i>Cosmopterix gemmiferella</i>	BR	GM	1		4126
Lepidoptera	Cosmopterigidae	<i>Cosmopterix nr. gemmiferella</i>	BR	GM	1		7200
Lepidoptera	Epiplemidae	<i>Calledapteryx dryopterata</i> (Grote)	BR	LT	1		5352
Lepidoptera	Epiplemidae	<i>Calledapteryx dryopterata</i> Grote	CT	LT	1		5204
Lepidoptera	Epiplemidae	<i>Calledapteryx dryopterata</i> Grote	CT	LT	1		5885
Lepidoptera	Epiplemidae	sp. 1	BR	LT	1		5651
Lepidoptera	Gelechiidae	sp. 1	CT	LT	1		5160
Lepidoptera	Gelechiidae	sp. 10	CT	GM	1		4264
Lepidoptera	Gelechiidae	sp. 11	CT	GM	1		4291
Lepidoptera	Gelechiidae	sp. 12	BR	LT	1		5775
Lepidoptera	Gelechiidae	sp. 13	BR	LT	1		5739
Lepidoptera	Gelechiidae	sp. 14	BR	LT	1		5755
Lepidoptera	Gelechiidae	sp. 15	BR	LT	1		5741
Lepidoptera	Gelechiidae	sp. 16	BR	LT	1		5764
Lepidoptera	Gelechiidae	sp. 17	BR	LT	1		5760
Lepidoptera	Gelechiidae	sp. 17	BR	LT	1		5763
Lepidoptera	Gelechiidae	sp. 18	BR	GM	1		4135
Lepidoptera	Gelechiidae	sp. 2	CT	LT	1		5152
Lepidoptera	Gelechiidae	sp. 2	CT	LT	1		5171
Lepidoptera	Gelechiidae	sp. 3	CT	LT	1		5159
Lepidoptera	Gelechiidae	sp. 3	CT	LT	1		5174
Lepidoptera	Gelechiidae	sp. 3	CT	LT	1		5221
Lepidoptera	Gelechiidae	sp. 4	CT	LT	1		5220
Lepidoptera	Gelechiidae	sp. 5	CT	LT	1		4241
Lepidoptera	Gelechiidae	sp. 6	CT	LT	1		4239
Lepidoptera	Gelechiidae	sp. 7	CT	LT	1		5896
Lepidoptera	Gelechiidae	sp. 8	CT	GM	1		4293
Lepidoptera	Gelechiidae	sp. 9	CT	GM	1		4265
Lepidoptera	Geometridae	<i>Anacamptodes humaria</i> (Guenee)	CT	LT	1		5309
Lepidoptera	Geometridae	<i>Anacamptodes humaria</i> (Guenee)	CT	LT	1		5879
Lepidoptera	Geometridae	<i>Biston betularia</i> (L.)	BR	LT	1		5545
Lepidoptera	Geometridae	<i>Chlorochlamys chloroleucaria</i> (Guenee)	CT	LT	1		5201
Lepidoptera	Geometridae	<i>Chlorochlamys chloroleucaria</i> (Guenee)	CT	LT	1		5805
Lepidoptera	Geometridae	<i>Epimecis hortaria</i> (F.)	BR	LT	1		5613
Lepidoptera	Geometridae	<i>Eubaphe mendica</i> (Walker)	BR	GM	1		4121
Lepidoptera	Geometridae	<i>Eubaphe mendica</i> (Walker)	BR	GM	1		4783
Lepidoptera	Geometridae	<i>Eubaphe mendica</i> (Walker)	BR	GM	1		4784
Lepidoptera	Geometridae	<i>Eubaphe mendica</i> (Walker)	BR	LT	1		5744
Lepidoptera	Geometridae	<i>Eubaphe mendica</i> (Walker)	CT	LT	1		5328
Lepidoptera	Geometridae	<i>Euchlaena serrata</i> (Drury)	BR	LT	1		5501

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Geometridae	<i>Haematopis grataria</i> (F.)	CT	LT	1		5306
Lepidoptera	Geometridae	<i>Heterophleps triguttaria</i> Herrich-Schaffer	CT	LT	1		5279
Lepidoptera	Geometridae	<i>Heterophleps triguttaria</i> Herrich-Schaffer	CT	LT	1		5798
Lepidoptera	Geometridae	<i>Hydria undulata</i> (L.)	BR	LT	1		5711
Lepidoptera	Geometridae	<i>Hypagyrtis piniata</i> (Packard)	CT	LT	1		5310
Lepidoptera	Geometridae	<i>Hypagyrtis piniata</i> (Packard)	CT	LT	1		5337
Lepidoptera	Geometridae	<i>Hypagyrtis piniata</i> (Packard)	CT	LT	1		5852
Lepidoptera	Geometridae	<i>Hypagyrtis</i> sp. 1	CT	LT	1		5860
Lepidoptera	Geometridae	<i>Hypagyrtis unipunctata</i> (Haworth)	BR	LT	1		5627
Lepidoptera	Geometridae	<i>Itame pustularia</i> (Guenee)	BR	LT	1		5714
Lepidoptera	Geometridae	<i>Metarranthis</i> sp. 1	BR	LT	1		5406
Lepidoptera	Geometridae	<i>Metarranthis</i> sp. 1	BR	LT	1		5407
Lepidoptera	Geometridae	<i>Metarranthis</i> sp. 1	BR	LT	1		5408
Lepidoptera	Geometridae	<i>Metarranthis</i> sp. 1	BR	LT	1		5614
Lepidoptera	Geometridae	<i>Metarranthis</i> sp. 1	BR	LT	1		5615
Lepidoptera	Geometridae	<i>Metarranthis</i> sp. 1	BR	LT	1		5616
Lepidoptera	Geometridae	<i>Orthonama obstipata</i> (F.)	CT	LT	1		5203
Lepidoptera	Geometridae	<i>Orthonama obstipata</i> (F.)	CT	LT	1		5325
Lepidoptera	Geometridae	<i>Protoaboarmia porcelaria</i> (Guenee)	BR	LT	1		5622
Lepidoptera	Geometridae	<i>Protoaboarmia porcelaria</i> (Guenee)	BR	LT	1		5629
Lepidoptera	Geometridae	<i>Scopula limboundata</i> (Haworth)	CT	LT	1		5305
Lepidoptera	Geometridae	<i>Semiothisa aemulataria</i> (Walker)	BR	LT	1		5356
Lepidoptera	Geometridae	<i>Semiothisa aemulataria</i> (Walker)	BR	LT	1		5717
Lepidoptera	Geometridae	<i>Semiothisa eremiata</i> (Guenee)	BR	LT	1		5346
Lepidoptera	Geometridae	<i>Semiothisa</i> sp. 1	BR	LT	1		5628
Lepidoptera	Geometridae	sp. 1	BR	LT	1		5351
Lepidoptera	Geometridae	sp. 10	CT	GM	1		4277
Lepidoptera	Geometridae	sp. 11	BR	GM	1		4215
Lepidoptera	Geometridae	sp. 11	BR	LT	1		5733
Lepidoptera	Geometridae	sp. 11	BR	LT	1		5746
Lepidoptera	Geometridae	sp. 12	BR	GM	1		4781
Lepidoptera	Geometridae	sp. 12	CT	GM	1		4270
Lepidoptera	Geometridae	sp. 12	CT	GM	1		4296
Lepidoptera	Geometridae	sp. 13	CT	LT	1		5212
Lepidoptera	Geometridae	sp. 14	CT	LT	1		5158
Lepidoptera	Geometridae	sp. 15	CT	LT	1		5278
Lepidoptera	Geometridae	sp. 16	BR	LT	1		5703
Lepidoptera	Geometridae	sp. 17	BR	LT	1		5757
Lepidoptera	Geometridae	sp. 18	BR	LT	1		5723
Lepidoptera	Geometridae	sp. 19	BR	LT	1		5715
Lepidoptera	Geometridae	sp. 2	CT	GM	1		4281
Lepidoptera	Geometridae	sp. 2	CT	LT	1		5837
Lepidoptera	Geometridae	sp. 20	BR	LT	1		5722
Lepidoptera	Geometridae	sp. 21	BR	LT	1		5720
Lepidoptera	Geometridae	sp. 22	BR	LT	1		5649
Lepidoptera	Geometridae	sp. 23	BR	LT	1		5706

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Geometridae	sp. 23	BR	LT	1		5710
Lepidoptera	Geometridae	sp. 24	BR	GM	1		4120
Lepidoptera	Geometridae	sp. 24	BR	GM	1		4154
Lepidoptera	Geometridae	sp. 25	BR	GM	1		4153
Lepidoptera	Geometridae	sp. 26	BR	GM	1		4779
Lepidoptera	Geometridae	sp. 3	BR	LT	1		5716
Lepidoptera	Geometridae	sp. 4	BR	LT	1		5702
Lepidoptera	Geometridae	sp. 5	BR	LT	1		5713
Lepidoptera	Geometridae	sp. 6	BR	LT	1		5712
Lepidoptera	Geometridae	sp. 7	BR	LT	1		5673
Lepidoptera	Geometridae	sp. 7	BR	LT	1		5674
Lepidoptera	Geometridae	sp. 7	BR	LT	1		5701
Lepidoptera	Geometridae	sp. 8	BR	GM	1		4144
Lepidoptera	Geometridae	sp. 8	CT	LT	1		5338
Lepidoptera	Geometridae	sp. 9	CT	GM	1		4259
Lepidoptera	Geometridae	sp. 9	CT	LT	1		5341
Lepidoptera	Geometridae	<i>Synchlora aerata</i> (F.)	BR	LT	1		5645
Lepidoptera	Geometridae	<i>Xanthorhoe lacustrata</i> (Guenee)	BR	LT	1		5355
Lepidoptera	Geometridae	<i>Xanthorhoe lacustrata</i> (Guenee)	BR	LT	1		5403
Lepidoptera	Geometridae	<i>Xanthorhoe lacustrata</i> (Guenee)	BR	LT	1		5404
Lepidoptera	Geometridae	<i>Xanthorhoe lacustrata</i> (Guenee)	BR	LT	1		5405
Lepidoptera	Geometridae	<i>Xanthorhoe lacustrata</i> (Guenee)	BR	LT	1		5639
Lepidoptera	Geometridae	<i>Xanthorhoe lacustrata</i> (Guenee)	BR	LT	1		5644
Lepidoptera	Geometridae	<i>Xanthotype sospeta</i> (Drury)	BR	LT	1		5488
Lepidoptera	Hesperiidae	<i>Ancyloxypha numitor</i> (Fabricius 1793)	CT	GM	1		4263
Lepidoptera	Hesperiidae	<i>Ancyloxypha numitor</i> (Fabricius 1793)	CT	GM	1		4272
Lepidoptera	Hesperiidae	<i>Ancyloxypha numitor</i> (Fabricius 1793)	CT	GM	1		4297
Lepidoptera	Hesperiidae	<i>Poanes hobomok</i> (Harris)	BR	IP	1		4219
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	GM	1		4195
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5409
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5410
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5411
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5412
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5413
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5414
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5415
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5416
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5417
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5418
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5419
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5420
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5421
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5422
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5424
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5425
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5426

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Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5473
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5474
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5475
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5476
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5477
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5478
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5479
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5480
Lepidoptera	Lasiocampidae	<i>Malacosoma americana</i> (F.)	BR	LT	1		5481
Lepidoptera	Lasiocampidae	<i>Malacosoma disstria</i> Hubner	BR	LT	1		5482
Lepidoptera	Lymantriidae	<i>Dasychira obliquata</i> (Grote & Robinson)	BR	LT	1		5543
Lepidoptera	Lymantriidae	<i>Dasychira obliquata</i> (Grote & Robinson)	BR	LT	1		5544
Lepidoptera	Lymantriidae	<i>Dasychira plagiata</i> (Walker)	BR	LT	1		5542
Lepidoptera	Lymantriidae	sp. 1	BR	LT	1		5631
Lepidoptera	Lymantriidae	sp. 1	BR	LT	1		5737
Lepidoptera	Noctuidae	<i>Abagrotis</i> sp. 1	BR	LT	1		5597
Lepidoptera	Noctuidae	<i>Acronicta americana</i> (Harris)	BR	LT	1		5343
Lepidoptera	Noctuidae	<i>Acronicta</i> sp. 1	BR	LT	1		5574
Lepidoptera	Noctuidae	<i>Agrotis ipsilon</i> (Hufnagel)	BR	LT	1		5575
Lepidoptera	Noctuidae	<i>Agrotis ipsilon</i> (Hufnagel)	CT	LT	1		5260
Lepidoptera	Noctuidae	<i>Agrotis ipsilon</i> (Hufnagel)	CT	LT	1		5273
Lepidoptera	Noctuidae	<i>Agrotis ipsilon</i> (Hufnagel)	CT	LT	1		5808
Lepidoptera	Noctuidae	<i>Agrotis ipsilon</i> (Hufnagel)	CT	LT	1		5877
Lepidoptera	Noctuidae	<i>Allotria elonympha</i> (Hubner)	BR	LT	1		5617
Lepidoptera	Noctuidae	<i>Amphipoea velata</i> (Walker)	BR	LT	1		5596
Lepidoptera	Noctuidae	<i>Baileya levitans</i> (Smith)	BR	LT	1		5640
Lepidoptera	Noctuidae	<i>Baileya levitans</i> (Smith)	BR	LT	1		5719
Lepidoptera	Noctuidae	<i>Baileya levitans</i> (Smith)	BR	LT	1		5729
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5603
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5637
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5677
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5682
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5694
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5695
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5708
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i>	BR	LT	1		5734
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i> Guenee	CT	LT	1		5186
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i> Guenee	CT	LT	1		5188
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i> Guenee	CT	LT	1		5189
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i> Guenee	CT	LT	1		5336
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i> Guenee	CT	LT	1		5339
Lepidoptera	Noctuidae	<i>Bleptina caradrinalis</i> Guenee	CT	LT	1		5797
Lepidoptera	Noctuidae	<i>Bomolocha abalienalis</i> (Walker)	BR	LT	1		5571
Lepidoptera	Noctuidae	<i>Bomolocha bijugalis</i> (Walker)	BR	LT	1		5570
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i>	BR	LT	1		5598
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i>	BR	LT	1		5683

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5187
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5223
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5295
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5296
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5307
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5332
Lepidoptera	Noctuidae	<i>Bomolocha edictalis</i> Walker	CT	LT	1		5838
Lepidoptera	Noctuidae	<i>Bomolocha madefactalis</i> Guenee	CT	LT	1		5331
Lepidoptera	Noctuidae	<i>Bomolocha madefactalis</i> Guenee	CT	LT	1		5334
Lepidoptera	Noctuidae	<i>Bomolocha madefactalis</i> Guenee	CT	LT	1		5855
Lepidoptera	Noctuidae	<i>Caenurgina erechtea</i> (Cramer)	CT	LT	1		5308
Lepidoptera	Noctuidae	<i>Caenurgina erechtea</i> (Cramer)	CT	LT	1		5835
Lepidoptera	Noctuidae	<i>Catocala ilia</i> (Cramer)	BR	LT	1		5344
Lepidoptera	Noctuidae	<i>Celiptera frustulum</i> Guenee	BR	LT	1		5593
Lepidoptera	Noctuidae	<i>Celiptera frustulum</i> Guenee	BR	LT	1		5594
Lepidoptera	Noctuidae	<i>Chytolita morbidalis</i> (Guenee)	BR	LT	1		5353
Lepidoptera	Noctuidae	<i>Chytolita morbidalis</i> (Guenee)	BR	LT	1		5624
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5588
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5589
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5590
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5591
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5601
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5602
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5606
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5608
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5688
Lepidoptera	Noctuidae	<i>Chytonix palliatricula</i> (Guenee)	BR	LT	1		5727
Lepidoptera	Noctuidae	<i>Crambodes talidiformis</i> Guenee	CT	LT	1		5286
Lepidoptera	Noctuidae	<i>Elaphria festivoides</i>	BR	GM	1		4166
Lepidoptera	Noctuidae	<i>Elaphria festivoides</i>	BR	LT	1		5668
Lepidoptera	Noctuidae	<i>Elaphria vessicolor</i>	CT	GM	1		4257
Lepidoptera	Noctuidae	<i>Elaphria vessicolor</i>	CT	LT	1		5246
Lepidoptera	Noctuidae	<i>Eudryas grata</i> (F.)	BR	LT	1		5398
Lepidoptera	Noctuidae	<i>Euplexia benesimilis</i>	BR	GM	1		4124
Lepidoptera	Noctuidae	<i>Feltia tricola</i> (Lintner)	CT	LT	1		5282
Lepidoptera	Noctuidae	<i>Galgula partita</i>	CT	GM	1		4269
Lepidoptera	Noctuidae	<i>Galgula partita</i>	CT	LT	1		5179
Lepidoptera	Noctuidae	<i>Galgula partita</i>	CT	LT	1		5202
Lepidoptera	Noctuidae	<i>Galgula partita</i>	CT	LT	1		5247
Lepidoptera	Noctuidae	<i>Hyperstrotia pervertens</i> (Barnes & McDunnough)	CT	LT	1		5206
Lepidoptera	Noctuidae	<i>Idia aemula</i>	BR	GM	1		4145
Lepidoptera	Noctuidae	<i>Idia aemula</i>	BR	LT	1		5642
Lepidoptera	Noctuidae	<i>Idia aemula</i>	BR	LT	1		5728
Lepidoptera	Noctuidae	<i>Idia americalis</i> (Guenee)	BR	GM	1		4117
Lepidoptera	Noctuidae	<i>Idia americalis</i> (Guenee)	BR	LT	1		5707
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	GM	1		4169

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5662
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5686
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5687
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5690
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5691
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5699
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5725
Lepidoptera	Noctuidae	<i>Idia diminuedis</i> (Barnes & McDunnough)	BR	LT	1		5726
Lepidoptera	Noctuidae	<i>Idia scobialis</i>	BR	GM	1		4137
Lepidoptera	Noctuidae	<i>Idia scobialis</i>	BR	GM	1		4170
Lepidoptera	Noctuidae	<i>Lascoria ambigualis</i> (Walker)	CT	LT	1		5290
Lepidoptera	Noctuidae	<i>Leucania phragmitidicola</i> Guenee	BR	LT	1		5604
Lepidoptera	Noctuidae	<i>Leucania phragmitidicola</i> Guenee	BR	LT	1		5620
Lepidoptera	Noctuidae	<i>Leucania pseudargyria</i> Guenee	BR	LT	1		5630
Lepidoptera	Noctuidae	<i>Leucania</i> sp. 1	CT	LT	1		5274
Lepidoptera	Noctuidae	<i>Leucania</i> sp. 1	CT	LT	1		5822
Lepidoptera	Noctuidae	<i>Leucania</i> sp. 1	CT	LT	1		5862
Lepidoptera	Noctuidae	<i>Leucania</i> sp. 1	CT	LT	1		5878
Lepidoptera	Noctuidae	<i>Leuconycta diphteroides</i> (Guenee)	BR	LT	1		5605
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	BR	LT	1		5680
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5183
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5229
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5249
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5251
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5261
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5265
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5300
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5803
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5812
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5814
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5843
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5845
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i>	CT	LT	1		5847
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5176
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5177
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5180
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5184
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5185
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5190
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5195
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5228
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5230
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5237
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5239
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5240
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5248

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5253
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5254
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5262
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5263
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5264
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5270
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5272
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5277
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5294
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5298
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5301
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5302
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5303
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT			5311
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5806
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5807
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5809
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5813
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5816
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5817
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5820
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5825
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5842
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5844
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5846
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5848
Lepidoptera	Noctuidae	<i>Lithacodia musculosa</i> (Guenee)	CT	LT	1		5861
Lepidoptera	Noctuidae	<i>Nola</i> sp. 1	CT	LT	1		5329
Lepidoptera	Noctuidae	<i>Orthodes cynica</i> Guenee	BR	LT	1		5618
Lepidoptera	Noctuidae	<i>Orthodes cynica</i> ? Guenee	BR	LT	1		5610
Lepidoptera	Noctuidae	<i>Orthodes cynica</i> ? Guenee	BR	LT	1		5611
Lepidoptera	Noctuidae	<i>Orthodes cynica</i> ? Guenee	BR	LT	1		5612
Lepidoptera	Noctuidae	<i>Orthodes detracta</i> (Walker)	BR	LT	1		5585
Lepidoptera	Noctuidae	<i>Orthodes detracta</i> (Walker)	BR	LT	1		5599
Lepidoptera	Noctuidae	<i>Orthodes detracta</i> (Walker)	BR	LT	1		5609
Lepidoptera	Noctuidae	<i>Orthodes detracta</i> (Walker)	BR	LT	1		5619
Lepidoptera	Noctuidae	<i>Orthodes detracta</i> (Walker)	BR	LT	1		5621
Lepidoptera	Noctuidae	<i>Orthodes detracta</i> (Walker)	BR	LT	1		5636
Lepidoptera	Noctuidae	<i>Palthis asopialis</i> (Guenee)	CT	LT	1		5888
Lepidoptera	Noctuidae	<i>Pamopoda rufimargo</i> (Hubner)	BR	LT	1		5587
Lepidoptera	Noctuidae	<i>Perigea xanthiodes</i> Guenee	CT	LT	1		5859
Lepidoptera	Noctuidae	<i>Perigea xanthiodes</i> Guenee	CT	LT	1		5883
Lepidoptera	Noctuidae	<i>Phalaenostola larentioides</i> Grote	CT	LT	1		5205
Lepidoptera	Noctuidae	<i>Phalaenostola larentioides</i> Grote	CT	LT	1		5314
Lepidoptera	Noctuidae	<i>Phalaenostola larentioides</i> Grote	CT	LT	1		5800
Lepidoptera	Noctuidae	<i>Phalaenostola larentioides</i> Grote	CT	LT	1		5823

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Noctuidae	<i>Phalaenostola larentioides</i> Grote	CT	LT	1		5886
Lepidoptera	Noctuidae	<i>Phalaenostola larentioides</i> Grote	CT	LT	1		5887
Lepidoptera	Noctuidae	<i>Phalaenostola</i> sp. 1	CT	LT	1		5854
Lepidoptera	Noctuidae	<i>Plathypena scabra</i> (F.)	BR	LT	1		5626
Lepidoptera	Noctuidae	<i>Platypentha scabra</i>	CT	GM	1		4253
Lepidoptera	Noctuidae	<i>Polygrammate hebraeicum</i> Hubner	CT	LT	1		5882
Lepidoptera	Noctuidae	<i>Protolampra brunneicollis</i> (Grote)	BR	LT	1		5502
Lepidoptera	Noctuidae	<i>Protolampra brunneicollis</i> (Grote)	BR	LT	1		5503
Lepidoptera	Noctuidae	<i>Protolampra brunneicollis</i> (Grote)	BR	LT	1		5607
Lepidoptera	Noctuidae	<i>Proxenus miranda</i> (Grote)	CT	LT	1		5292
Lepidoptera	Noctuidae	<i>Proxenus miranda</i> (Grote)	CT	LT	1		5836
Lepidoptera	Noctuidae	<i>Scolecocampa liburna</i> (Geyer)	BR	LT	1		5592
Lepidoptera	Noctuidae	<i>Scoliopteryx libatrix</i> (L.)	BR	LT	1		5600
Lepidoptera	Noctuidae	sp. 1	BR	LT	1		5576
Lepidoptera	Noctuidae	sp. 1	CT	LT	1		5811
Lepidoptera	Noctuidae	sp. 1	CT	LT	1		5840
Lepidoptera	Noctuidae	sp. 10	CT	GM	1		4251
Lepidoptera	Noctuidae	sp. 11	CT	GM	1		4282
Lepidoptera	Noctuidae	sp. 12	CT	GM	1		4252
Lepidoptera	Noctuidae	sp. 13	CT	LT	1		4249
Lepidoptera	Noctuidae	sp. 14	BR	GM	1		4165
Lepidoptera	Noctuidae	sp. 15	BR	LT	1		5595
Lepidoptera	Noctuidae	sp. 16	CT	LT	1		5178
Lepidoptera	Noctuidae	sp. 17	CT	GM	1		4255
Lepidoptera	Noctuidae	sp. 17	CT	GM	1		4268
Lepidoptera	Noctuidae	sp. 18	CT	GM	1		4271
Lepidoptera	Noctuidae	sp. 19	CT	GM	1		4261
Lepidoptera	Noctuidae	sp. 19	CT	GM	1		4295
Lepidoptera	Noctuidae	sp. 2	CT	LT	1		5802
Lepidoptera	Noctuidae	sp. 20	BR	LT	1		5648
Lepidoptera	Noctuidae	sp. 21	BR	LT	1		5718
Lepidoptera	Noctuidae	sp. 22	BR	GM	1		4116
Lepidoptera	Noctuidae	sp. 22	BR	LT	1		5681
Lepidoptera	Noctuidae	sp. 23	BR	GM	1		4106
Lepidoptera	Noctuidae	sp. 24	BR	LT	1		5664
Lepidoptera	Noctuidae	sp. 25	CT	LT	1		5819
Lepidoptera	Noctuidae	sp. 26	BR	LT	1		5650
Lepidoptera	Noctuidae	sp. 26	CT	GM	1		4260
Lepidoptera	Noctuidae	sp. 26	CT	GM	1		4278
Lepidoptera	Noctuidae	sp. 26	CT	GM	1		4280
Lepidoptera	Noctuidae	sp. 27	BR	LT	1		5625
Lepidoptera	Noctuidae	sp. 28	BR	LT	1		5705
Lepidoptera	Noctuidae	sp. 29	BR	LT	1		5736
Lepidoptera	Noctuidae	sp. 3	CT	LT	1		5856
Lepidoptera	Noctuidae	sp. 30	BR	LT	1		5724
Lepidoptera	Noctuidae	sp. 31	BR	LT	1		5684

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Noctuidae	sp. 32	BR	LT	1		5704
Lepidoptera	Noctuidae	sp. 33	CT	LT	1		5242
Lepidoptera	Noctuidae	sp. 34	CT	LT	1		5293
Lepidoptera	Noctuidae	sp. 35	CT	LT	1		5226
Lepidoptera	Noctuidae	sp. 4	CT	LT	1		5326
Lepidoptera	Noctuidae	sp. 5	CT	LT	1		5884
Lepidoptera	Noctuidae	sp. 6	CT	LT	1		5340
Lepidoptera	Noctuidae	sp. 7	CT	LT	1		5795
Lepidoptera	Noctuidae	sp. 8	CT	LT	1		5289
Lepidoptera	Noctuidae	sp. 9	CT	LT	1		5333
Lepidoptera	Noctuidae	<i>Spodoptera dolichos</i> (F.)	CT	LT	1		5288
Lepidoptera	Noctuidae	<i>Tarachidia candefacta</i> (Hubner)	CT	LT	1		5321
Lepidoptera	Noctuidae	<i>Tarachidia erastroides</i>	BR	LT	1		5692
Lepidoptera	Noctuidae	<i>Xestia bicarnea</i> (Guenée)	CT	LT	1		5876
Lepidoptera	Noctuidae	<i>Xestia collaris</i> Grote & Robinson	BR	LT	1		5586
Lepidoptera	Noctuidae	<i>Zanclognatha cruralis</i>	BR	LT	1		5675
Lepidoptera	Noctuidae	<i>Zanclognatha ochreipennis</i> (Grote)	BR	LT	1		5399
Lepidoptera	Noctuidae	<i>Zanclognatha ochreipennis</i> (Grote)	BR	LT	1		5400
Lepidoptera	Noctuidae	<i>Zanclognatha ochreipennis</i> (Grote)	BR	LT	1		5401
Lepidoptera	Noctuidae	<i>Zanclognatha ochreipennis</i> (Grote)	BR	LT	1		5402
Lepidoptera	Noctuidae	<i>Zanclognatha</i> sp. 1	CT	LT	1		5853
Lepidoptera	Noctuidae	<i>Zanclognatha</i> sp. 2	BR	GM	1		4118
Lepidoptera	Noctuidae	<i>Zanclognatha</i> sp. 3	BR	LT	1		5652
Lepidoptera	Notodontidae	<i>Dasylophia anguina</i>	CT	LT	1		5834
Lepidoptera	Notodontidae	<i>Dasylophia anguina</i>	CT	LT	1		5839
Lepidoptera	Notodontidae	<i>Dasylophia anguina</i> (Smith)	BR	LT	1		5546
Lepidoptera	Notodontidae	<i>Heterocampa obliqua</i>	BR	LT	1		5538
Lepidoptera	Notodontidae	<i>Heterocampa obliqua</i>	BR	LT	1		5569
Lepidoptera	Notodontidae	<i>Hyperaeshra georgica</i>	BR	LT	1		5572
Lepidoptera	Notodontidae	<i>Hyperaeshra georgica</i>	BR	LT	1		5623
Lepidoptera	Notodontidae	<i>Lochmaeus bilineata</i>	BR	LT	1		5573
Lepidoptera	Notodontidae	<i>Lochmaeus bilineata</i>	BR	LT	1		5581
Lepidoptera	Notodontidae	<i>Lochmaeus bilineata</i>	CT	LT	1		5283
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5533
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5534
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5535
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5536
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5537
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5539
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5540
Lepidoptera	Notodontidae	<i>Macrurocampa marthesia</i> (Cramer)	BR	LT	1		5541
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	BR	LT	1		5564
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	BR	LT	1		5565
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	BR	LT	1		5566
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	BR	LT	1		5567
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	BR	LT	1		5568

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	CT	LT	1		5285
Lepidoptera	Notodontidae	<i>Nadata gibbosa</i> (Smith)	CT	LT	1		5841
Lepidoptera	Notodontidae	<i>Oligocentria lignicolor</i> (Walker)	CT	LT	1		5810
Lepidoptera	Notodontidae	<i>Oligocentria lignicolor</i> (Walker)	CT	LT	1		5881
Lepidoptera	Notodontidae	<i>Peridea angulosa</i>	CT	LT	1		5266
Lepidoptera	Notodontidae	<i>Peridea angulosa</i>	CT	LT	1		5284
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5547
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5577
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5578
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5579
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5580
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5582
Lepidoptera	Notodontidae	<i>Peridea angulosa</i> (Smith)	BR	LT	1		5583
Lepidoptera	Notodontidae	<i>Schizura leptinoides</i>	CT	LT	1		5873
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5382
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5383
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5384
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5385
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5386
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5387
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5388
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5389
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5390
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5391
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5392
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5393
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5394
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5395
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5396
Lepidoptera	Notodontidae	<i>Symmerista albifrons</i> (Smith)	BR	LT	1		5397
Lepidoptera	Oecophoridae	<i>Antaeotricha leucillana</i>	CT	LT	1		5320
Lepidoptera	Oecophoridae	sp. 1	BR	LT	1		5669
Lepidoptera	Oecophoridae	sp. 1	CT	LT	1		5275
Lepidoptera	Oecophoridae	sp. 2	BR	LT	1		5785
Lepidoptera	Oecophoridae	sp. 3	CT	LT	1		5324
Lepidoptera	Pterophoridae	<i>Geina tenuidactyla</i> Fitch starthere	BR	LT	1	C. Gielis	5107
Lepidoptera	Pterophoridae	<i>Geina tenuidactyla</i> Fitch	BR	LT	1	C. Gielis	5108
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	GM	1		4178
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	GM	1		4772
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	LT	1		5553
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	LT	1		5555
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	LT	1		5556
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	LT	1		5750
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	LT	1		5786
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	BR	LT	1		5787
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5182

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5193
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5194
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5224
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5225
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5238
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5241
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5250
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5256
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5258
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5268
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5269
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5312
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5313
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5851
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5864
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5865
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5866
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5867
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5869
Lepidoptera	Pyalidae	<i>Crambus agitatellus</i>	CT	LT	1		5871
Lepidoptera	Pyalidae	<i>Crambus girardellus</i>	BR	GM	1		4180
Lepidoptera	Pyalidae	<i>Crambus girardellus</i>	BR	LT	1		5778
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4114
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4141
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4142
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4146
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4147
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4148
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4149
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4151
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4158
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4171
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4172
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4173
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4174
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4175
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4187
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4192
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4774
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4775
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4776
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4777
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4778
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4782
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	SW	1		4211
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5557

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5558
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5559
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5560
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5561
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5772
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	LT	1		5782
Lepidoptera	Pyalidae	<i>Crambus</i> sp. 1	BR	GM	1		4123
Lepidoptera	Pyalidae	<i>Desmia funeralis</i> (Hubner)	BR	LT	1		5548
Lepidoptera	Pyalidae	<i>Desmia funeralis</i> (Hubner)	BR	LT	1		5549
Lepidoptera	Pyalidae	<i>Desmia funeralis</i> (Hubner)	BR	LT	1		5550
Lepidoptera	Pyalidae	<i>Desmia funeralis</i> (Hubner)	BR	LT	1		5551
Lepidoptera	Pyalidae	<i>Desmia funeralis</i> (Hubner)	BR	LT	1		5552
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	GM	1		4254
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5175
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5191
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5192
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5243
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5257
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5889
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5890
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5891
Lepidoptera	Pyalidae	<i>Fumibotys famalis</i>	CT	LT	1		5892
Lepidoptera	Pyalidae	<i>Herculia olinalis</i>	BR	LT	1		5666
Lepidoptera	Pyalidae	<i>Herculia olinalis</i>	BR	LT	1		5667
Lepidoptera	Pyalidae	<i>Herculia olinalis</i>	BR	LT	1		5679
Lepidoptera	Pyalidae	<i>Herculia olinalis</i>	BR	LT	1		5730
Lepidoptera	Pyalidae	<i>Herculia olinalis</i>	BR	LT	1		5731
Lepidoptera	Pyalidae	<i>Herculia olinalis</i>	BR	LT	1		5732
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5181
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5196
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5198
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5200
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5231
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5233
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5234
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5235
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5236
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5244
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5245
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5267
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5271
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5315
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5327
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5801
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5815
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5818

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5824
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5826
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5849
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5850
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5863
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		5868
Lepidoptera	Pyalidae	<i>Pediasia</i> sp. 1	CT	LT	1		4246
Lepidoptera	Pyalidae	sp. 10	BR	LT	1		5766
Lepidoptera	Pyalidae	sp. 11	BR	LT	1		5777
Lepidoptera	Pyalidae	sp. 12	CT	LT	1		5157
Lepidoptera	Pyalidae	sp. 12	CT	LT	1		5162
Lepidoptera	Pyalidae	sp. 12	CT	LT	1		5166
Lepidoptera	Pyalidae	sp. 13	CT	LT	1		5894
Lepidoptera	Pyalidae	sp. 14	BR	LT	1		5693
Lepidoptera	Pyalidae	sp. 14	CT	LT	1		5232
Lepidoptera	Pyalidae	sp. 14	CT	LT	1		5255
Lepidoptera	Pyalidae	sp. 14	CT	LT	1		5297
Lepidoptera	Pyalidae	sp. 14	CT	LT	1		5858
Lepidoptera	Pyalidae	sp. 15	CT	LT	1		5291
Lepidoptera	Pyalidae	sp. 16	CT	LT	1		5318
Lepidoptera	Pyalidae	sp. 16	CT	LT	1		4250
Lepidoptera	Pyalidae	sp. 17	BR	LT	1		5784
Lepidoptera	Pyalidae	sp. 18	BR	LT	1		5663
Lepidoptera	Pyalidae	sp. 18	BR	LT	1		5771
Lepidoptera	Pyalidae	sp. 18	BR	LT	1		5776
Lepidoptera	Pyalidae	sp. 18	BR	LT	1		5783
Lepidoptera	Pyalidae	sp. 18	CT	LT	1		5156
Lepidoptera	Pyalidae	sp. 18	CT	LT	1		5215
Lepidoptera	Pyalidae	sp. 18	CT	LT	1		5218
Lepidoptera	Pyalidae	sp. 18	CT	LT	1		5330
Lepidoptera	Pyalidae	sp. 18	CT	LT	1		5880
Lepidoptera	Pyalidae	sp. 19	BR	LT	1		5345
Lepidoptera	Pyalidae	sp. 19	CT	LT	1		5209
Lepidoptera	Pyalidae	sp. 19	CT	LT	1		5210
Lepidoptera	Pyalidae	sp. 2	CT	GM	1		4256
Lepidoptera	Pyalidae	sp. 2	CT	LT	1		5799
Lepidoptera	Pyalidae	sp. 20	CT	LT	1		5335
Lepidoptera	Pyalidae	sp. 21	CT	LT	1		5833
Lepidoptera	Pyalidae	sp. 22	CT	LT	1		5211
Lepidoptera	Pyalidae	sp. 23	CT	LT	1		5168
Lepidoptera	Pyalidae	sp. 23	CT	LT	1		5893
Lepidoptera	Pyalidae	sp. 24	BR	LT	1		5348
Lepidoptera	Pyalidae	sp. 25	BR	LT	1		5747
Lepidoptera	Pyalidae	sp. 26	BR	LT	1		5743
Lepidoptera	Pyalidae	sp. 27	BR	LT	1		5665
Lepidoptera	Pyalidae	sp. 28	BR	LT	1		5350

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Pyalidae	sp. 28	BR	LT	1		5641
Lepidoptera	Pyalidae	sp. 29	BR	LT	1		5635
Lepidoptera	Pyalidae	sp. 3	CT	GM	1		4262
Lepidoptera	Pyalidae	sp. 3	CT	GM	1		4279
Lepidoptera	Pyalidae	sp. 3	CT	LT	1		5208
Lepidoptera	Pyalidae	sp. 3	CT	LT	1		5276
Lepidoptera	Pyalidae	sp. 3	CT	LT	1		5299
Lepidoptera	Pyalidae	sp. 30	CT	LT	1		5870
Lepidoptera	Pyalidae	sp. 31	CT	LT	1		5197
Lepidoptera	Pyalidae	sp. 32	CT	GM	1		4267
Lepidoptera	Pyalidae	sp. 33	CT	SW	1		4289
Lepidoptera	Pyalidae	sp. 34	CT	GM	1		4286
Lepidoptera	Pyalidae	sp. 35	CT	GM	1		4275
Lepidoptera	Pyalidae	sp. 36	CT	GM	1		4274
Lepidoptera	Pyalidae	sp. 4	CT	LT	1		5169
Lepidoptera	Pyalidae	sp. 4	CT	LT	1		5222
Lepidoptera	Pyalidae	sp. 5	BR	LT	1		5696
Lepidoptera	Pyalidae	sp. 5	BR	LT	1		5697
Lepidoptera	Pyalidae	sp. 5	BR	LT	1		5698
Lepidoptera	Pyalidae	sp. 5	CT	LT	1		5304
Lepidoptera	Pyalidae	sp. 5	CT	LT	1		5857
Lepidoptera	Pyalidae	sp. 6	BR	LT	1		5354
Lepidoptera	Pyalidae	sp. 6	BR	LT	1		5672
Lepidoptera	Pyalidae	sp. 7	BR	LT	1		5643
Lepidoptera	Pyalidae	sp. 7	BR	LT	1		5676
Lepidoptera	Pyalidae	sp. 7	BR	LT	1		5678
Lepidoptera	Pyalidae	sp. 7	BR	LT	1		5689
Lepidoptera	Pyalidae	sp. 7	BR	LT	1		5721
Lepidoptera	Pyalidae	sp. 8	BR	LT	1		5765
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5349
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5700
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5709
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5748
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5749
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5767
Lepidoptera	Pyalidae	sp. 9	BR	LT	1		5781
Lepidoptera	Tineidae	sp. 1	CT	LT	1		5164
Lepidoptera	Tineidae	sp. 2	BR	LT	1		5761
Lepidoptera	Tineidae	sp. 3	BR	LT	1		5762
Lepidoptera	Tineidae	sp. 4	BR	LT	1		5780
Lepidoptera	Tineidae	sp. 5	BR	LT	1		5759
Lepidoptera	Tortricidae	sp. 1	BR	GM	1		4122
Lepidoptera	Tortricidae	sp. 1	BR	GM	1		4157
Lepidoptera	Tortricidae	sp. 1	BR	GM	1		4163
Lepidoptera	Tortricidae	sp. 1	BR	GM	1		4167
Lepidoptera	Tortricidae	sp. 1	BR	LT	1		5754

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Tortricidae	sp. 10	BR	LT	1		5655
Lepidoptera	Tortricidae	sp. 11	CT	LT	1		5219
Lepidoptera	Tortricidae	sp. 11	CT	LT	1		4238
Lepidoptera	Tortricidae	sp. 12	CT	LT	1		5153
Lepidoptera	Tortricidae	sp. 13	CT	LT	1		4248
Lepidoptera	Tortricidae	sp. 14	CT	LT	1		5167
Lepidoptera	Tortricidae	sp. 14	CT	LT	1		5217
Lepidoptera	Tortricidae	sp. 15	CT	GM	1		4266
Lepidoptera	Tortricidae	sp. 15	CT	LT	1		5173
Lepidoptera	Tortricidae	sp. 15	CT	LT	1		5199
Lepidoptera	Tortricidae	sp. 15	CT	LT	1		5214
Lepidoptera	Tortricidae	sp. 15	CT	LT	1		5895
Lepidoptera	Tortricidae	sp. 16	CT	GM	1		4276
Lepidoptera	Tortricidae	sp. 17	CT	GM	1		4258
Lepidoptera	Tortricidae	sp. 18	CT	LT	1		4242
Lepidoptera	Tortricidae	sp. 19	BR	LT	1		5660
Lepidoptera	Tortricidae	sp. 19	BR	LT	1		5670
Lepidoptera	Tortricidae	sp. 19	BR	LT	1		5671
Lepidoptera	Tortricidae	sp. 2	BR	GM	1		4152
Lepidoptera	Tortricidae	sp. 2	BR	LT	1		5562
Lepidoptera	Tortricidae	sp. 2	BR	LT	1		5563
Lepidoptera	Tortricidae	sp. 2	BR	LT	1		5751
Lepidoptera	Tortricidae	sp. 2	BR	LT	1		5752
Lepidoptera	Tortricidae	sp. 2	BR	LT	1		5753
Lepidoptera	Tortricidae	sp. 20	BR	LT	1		5661
Lepidoptera	Tortricidae	sp. 20	BR	LT	1		5773
Lepidoptera	Tortricidae	sp. 21	BR	LT	1		5742
Lepidoptera	Tortricidae	sp. 22	BR	LT	1		5769
Lepidoptera	Tortricidae	sp. 22	BR	LT	1		5774
Lepidoptera	Tortricidae	sp. 23	CT	GM	1		4285
Lepidoptera	Tortricidae	sp. 23	CT	GM	1		4294
Lepidoptera	Tortricidae	sp. 24	CT	LT	1		5281
Lepidoptera	Tortricidae	sp. 25	BR	GM	1		4115
Lepidoptera	Tortricidae	sp. 25	BR	GM	1		4159
Lepidoptera	Tortricidae	sp. 26	BR	GM	1		4150
Lepidoptera	Tortricidae	sp. 27	BR	GM	1		4164
Lepidoptera	Tortricidae	sp. 28	CT	LT	1		5280
Lepidoptera	Tortricidae	sp. 29	CT	LT	1		5213
Lepidoptera	Tortricidae	sp. 3	BR	GM	1		4133
Lepidoptera	Tortricidae	sp. 30	CT	LT	1		4247
Lepidoptera	Tortricidae	sp. 31	CT	GM	1		4292
Lepidoptera	Tortricidae	sp. 32	CT	LT	1		4240
Lepidoptera	Tortricidae	sp. 33	CT	LT	1		4243
Lepidoptera	Tortricidae	sp. 34	BR	GM	1		4161
Lepidoptera	Tortricidae	sp. 34	CT	LT	1		5163
Lepidoptera	Tortricidae	sp. 35	CT	LT	1		5207

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Lepidoptera	Tortricidae	sp. 36	CT	LT	1		5165
Lepidoptera	Tortricidae	sp. 36	CT	LT	1		5172
Lepidoptera	Tortricidae	sp. 36	CT	LT	1		5216
Lepidoptera	Tortricidae	sp. 36	CT	LT	1		5323
Lepidoptera	Tortricidae	sp. 36	CT	LT	1		4244
Lepidoptera	Tortricidae	sp. 37	CT	LT	1		5872
Lepidoptera	Tortricidae	sp. 4	BR	GM	1		4208
Lepidoptera	Tortricidae	sp. 5	BR	GM	1		4131
Lepidoptera	Tortricidae	sp. 6	BR	LT	1		5656
Lepidoptera	Tortricidae	sp. 7	BR	LT	1		5657
Lepidoptera	Tortricidae	sp. 8	BR	LT	1		5653
Lepidoptera	Tortricidae	sp. 9	BR	LT	1		5770
Lepidoptera	Tortricidae	sp. 9	BR	LT	1		5779
Lithobiomorpha	Lithobiidae	sp. 1	BR	SB	1		743
Lithobiomorpha	Lithobiidae	sp. 1	BR	SB	1		744
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	1		746
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	1		750
Lithobiomorpha	Lithobiidae	sp. 1	BR	CO	1		751
Lithobiomorpha	Lithobiidae	sp. 1	BR	CO	1		752
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	2		753
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	1		754
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	2		755
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	2		757
Lithobiomorpha	Lithobiidae	sp. 1	BR	LF	1		5900
Lithobiomorpha	Lithobiidae	sp. 1	BR	CO	1		6587
Lithobiomorpha	Lithobiidae	sp. 1	CT	IP	3		764
Lithobiomorpha	Lithobiidae	sp. 1	CT	IP	1		765
Lithobiomorpha	Lithobiidae	sp. 1	CT	SB	1		763
Lithobiomorpha	Lithobiidae	sp. 2	CT	PO	1		768
Lithobiomorpha	Lithobiidae	sp. 2	CT	SB	1		762
Mantodea	Mantidae	sp. 1	CT	SW	1		30
Mantodea	Mantidae	sp. 1	CT	SW	1		31
Microcoryphia	Machilidae	sp. 1	BR	SB	1		34
Microcoryphia	Machilidae	sp. 1	BR	SB	1		37
Microcoryphia	Machilidae	sp. 1	BR	IP	2		38
Microcoryphia	Machilidae	sp. 1	BR	IP	1		39
Microcoryphia	Machilidae	sp. 1	BR	IP	1		40
Microcoryphia	Machilidae	sp. 1	BR	SB	1		41
Microcoryphia	Machilidae	sp. 1	BR	IP	1		42
Microcoryphia	Machilidae	sp. 1	BR	SB	1		46
Microcoryphia	Machilidae	sp. 1	BR	IP	1		48
Microcoryphia	Machilidae	sp. 1	BR	IP	1		49
Microcoryphia	Machilidae	sp. 1	BR	IP	1		52
Microcoryphia	Machilidae	sp. 2	BR	TR	1		36
Microcoryphia	Machilidae	sp. 2	BR	PO	1		45
Microcoryphia	Machilidae	sp. 2	BR	IP	1		47

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Microcoryphia	Machilidae	sp. 2	BR	PO	2		50
Microcoryphia	Machilidae	sp. 2	BR	LF	1		266
Microcoryphia	Machilidae	sp. 3	CT	IP	1		33
Microcoryphia	Meinertellidae	sp. 1	BR	IP	1		35
Microcoryphia	Meinertellidae	sp. 1	BR	SB	1		43
Microcoryphia	Meinertellidae	sp. 1	BR	SB	1		44
Microcoryphia	Meinertellidae	sp. 1	BR	IP	2		51
Microcoryphia	Meinertellidae	sp. 2	CT	IP	1		32
Neuroptera	Chrysopidae	sp. 1	BR	SW	1		6
Neuroptera	Chrysopidae	sp. 1	BR	SW	1		7
Neuroptera	Chrysopidae	sp. 1	BR	SW	1		8
Neuroptera	Chrysopidae	sp. 1	CT	GM	1		10
Neuroptera	Chrysopidae	sp. 2	BR	TR	1		948
Neuroptera	Hemerobiidae	sp. 1	BR	GM	1		2
Neuroptera	Hemerobiidae	sp. 1	BR	LC	1		5
Neuroptera	Hemerobiidae	sp. 1	BR	SW	1		9
Neuroptera	Hemerobiidae	sp. 2	BR	SB	1		3
Neuroptera	Hemerobiidae	sp. 2	BR	GM	1		4
Opiliones	Leiobunidae	<i>Hadrobunus grandis</i> (Say)	BR	PO	1	RP Withington III	1186
Opiliones	Leiobunidae	<i>Hadrobunus grandis</i> (Say)	BR	SB	2	RP Withington III	1201
Opiliones	Leiobunidae	<i>Hadrobunus grandis</i> (Say)	BR	SB	1	RP Withington III	1203
Opiliones	Leiobunidae	<i>Hadrobunus grandis</i> (Say)	BR	IP	1	RP Withington III	1216
Opiliones	Leiobunidae	<i>Hadrobunus grandis</i> (Say)	BR	IP	1	RP Withington III	1221
Opiliones	Leiobunidae	<i>Hadrobunus grandis</i> (Say)	BR	IP	1	RP Withington III	1224
Opiliones	Leiobunidae	<i>Leiobunum flavum</i> ? Banks	CT	IP	1	RP Withington III	1179
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	LF	1	RP Withington III	1188
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	TR	1	RP Withington III	1193
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	IP	1	RP Withington III	1208
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	IP	2	RP Withington III	1210
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	IP	1	RP Withington III	1213
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	IP	2	RP Withington III	1215
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	IP	3	RP Withington III	1218
Opiliones	Leiobunidae	<i>Leiobunum formosum</i> (Wood)	BR	IP	1	RP Withington III	1223
Opiliones	Leiobunidae	<i>Leiobunum longipes</i> Weed	BR	TR	2	RP Withington III	1194
Opiliones	Leiobunidae	<i>Leiobunum nigripes</i> Weed	BR	SB	1	RP Withington III	1200
Opiliones	Leiobunidae	<i>Leiobunum nigripes</i> Weed	BR	IP	2	RP Withington III	1217
Opiliones	Leiobunidae	<i>Leiobunum nigripes</i> Weed	BR	IP	1	RP Withington III	1219
Opiliones	Leiobunidae	<i>Leiobunum nigripes</i> Weed	BR	IP	2	RP Withington III	1222
Opiliones	Leiobunidae	<i>Leiobunum nigripes</i> Weed	CT	BE	1	RP Withington III	1176
Opiliones	Leiobunidae	<i>Leiobunum nigropalpi</i> (Wood)	BR	LT	1	RP Withington III	1189
Opiliones	Leiobunidae	<i>Leiobunum nigropalpi</i> (Wood)	BR	BE	1	RP Withington III	1195
Opiliones	Leiobunidae	<i>Leiobunum nigropalpi</i> (Wood)	BR	BE	1	RP Withington III	1197
Opiliones	Leiobunidae	<i>Leiobunum nigropalpi</i> (Wood)	BR	GM	1	RP Withington III	1204
Opiliones	Leiobunidae	<i>Leiobunum nigropalpi</i> (Wood)	BR	GM	2	RP Withington III	1206
Opiliones	Leiobunidae	<i>Leiobunum nigropalpi</i> (Wood)	BR	SB	1	RP Withington III	4074
Opiliones	Leiobunidae	<i>Leiobunum politum</i> Weed	CT	IP	1	RP Withington III	1182

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Opiliones	Leiobunidae	<i>Leiobunum politum</i> Weed	CT	IP	1	RP Withington III	1183
Opiliones	Leiobunidae	<i>Leiobunum politum</i> Weed	CT	SB	1	RP Withington III	1185
Opiliones	Leiobunidae	<i>Leiobunum speciosum</i> Banks	CT	GM	1	RP Withington III	1171
Opiliones	Leiobunidae	<i>Leiobunum speciosum</i> Banks	CT	SB	1	RP Withington III	1173
Opiliones	Leiobunidae	<i>Leiobunum vittatum</i> (Say)	CT	BE	1	RP Withington III	1175
Opiliones	Leiobunidae	<i>Leiobunum vittatum</i> (Say)	CT	BE	1	RP Withington III	1177
Opiliones	Leiobunidae	<i>Leiobunum vittatum</i> (Say)	CT	GM	1	RP Withington III	1170
Opiliones	Leiobunidae	<i>Leiobunum vittatum</i> (Say)	CT	GM	1	RP Withington III	1172
Opiliones	Leiobunidae	<i>Leiobunum vittatum</i> (Say)	CT	LT	1	RP Withington III	1169
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	PO	1	RP Withington III	1187
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	SW	1	RP Withington III	1191
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	TR	1	RP Withington III	1192
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	BE	2	RP Withington III	1196
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	BE	1	RP Withington III	1198
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	SB	1	RP Withington III	1199
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	SB	1	RP Withington III	1202
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	GM	1	RP Withington III	1205
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	GM	1	RP Withington III	1207
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	IP	1	RP Withington III	1209
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	IP	2	RP Withington III	1211
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	IP	1	RP Withington III	1212
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	IP	1	RP Withington III	1214
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	BR	IP	1	RP Withington III	1220
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	CT	IP	1	RP Withington III	1178
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	CT	IP	1	RP Withington III	1180
Opiliones	Phalangiidae	<i>Opilio parietinus</i> (DeGeer)	CT	SB	1	RP Withington III	1174
Opiliones	Phalangiidae	<i>Phalangium opilio</i> Linne	CT	IP	1	RP Withington III	1181
Opiliones	Phalangiidae	<i>Phalangium opilio</i> Linne	CT	IP	1	RP Withington III	1184
Opiliones	Phalangiidae	<i>Phalangium opilio</i> Linne	CT	LF	1	RP Withington III	1168
Orthoptera	Acrididae	sp. 1	BR	TR	2		6531
Orthoptera	Acrididae	sp. 2	BR	TR	1		6532
Orthoptera	Acrididae	sp. 3	CT	SB	1		898
Orthoptera	Acrididae	sp. 4	CT	GM	1		902
Orthoptera	Acrididae	sp. 4	CT	SW	1		917
Orthoptera	Gryllacrididae	<i>Camptonotus carolinensis</i> (Gerstaecker)	BR	SW	1	C. Violette	6533
Orthoptera	Gryllacrididae	<i>Camptonotus carolinensis</i> (Gerstaecker)	BR	SW	1	C. Violette	6535
Orthoptera	Gryllacrididae	<i>Camptonotus carolinensis</i> (Gerstaecker)	BR	SW	1	C. Violette	6536
Orthoptera	Gryllacrididae	<i>Camptonotus carolinensis</i> (Gerstaecker)	BR	SW	1	C. Violette	6534
Orthoptera	Gryllidae	<i>Oecanthus fultoni</i>	BR	TR	2	C. Violette	6548
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	SB	1	C. Violette	6562
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	2		6553
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	TR	2	C. Violette	6567
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	TR	1		6544
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	1		6554
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	PO	1		6549
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	PO	1	C. Violette	6545

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	SW	3	C. Violette	6558
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	TR	1	C. Violette	6560
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	CM	1	C. Violette	6556
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	TR	4		6566
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	TR	1	C. Violette	6561
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	2	C. Violette	6559
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	2	C. Violette	6547
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	1	C. Violette	6557
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	2		6555
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	4		6526
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	SW	1		6527
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	BE	1		6529
Orthoptera	Gryllidae	<i>Oecanthus</i> sp. 1	BR	IP	1		425
Orthoptera	Gryllidae	sp. 1	BR	BE	1		6551
Orthoptera	Gryllidae	sp. 1	BR	GM	1		6525
Orthoptera	Gryllidae	sp. 1	BR	BE	1		6550
Orthoptera	Gryllidae	sp. 1	BR	BE	1		6552
Orthoptera	Gryllidae	sp. 1	BR	BE	1		6546
Orthoptera	Gryllidae	sp. 1	BR	BE	2		7190
Orthoptera	Gryllidae	sp. 1	BR	BE	2		7189
Orthoptera	Gryllidae	sp. 1	BR	TR	1		7187
Orthoptera	Gryllidae	sp. 10	CT	IP	1		909
Orthoptera	Gryllidae	sp. 10	CT	IP	1		913
Orthoptera	Gryllidae	sp. 10	CT	IP	2		916
Orthoptera	Gryllidae	sp. 10	CT	IP	2		7192
Orthoptera	Gryllidae	sp. 11	CT	IP	1		910
Orthoptera	Gryllidae	sp. 11	CT	IP	1		911
Orthoptera	Gryllidae	sp. 11	CT	SW	1		920
Orthoptera	Gryllidae	sp. 2	BR	TR	1		6542
Orthoptera	Gryllidae	sp. 2	CT	BE	1		905
Orthoptera	Gryllidae	sp. 3	BR	IP	1		6565
Orthoptera	Gryllidae	sp. 3	BR	IP	1		6543
Orthoptera	Gryllidae	sp. 3	BR	IP	1		6563
Orthoptera	Gryllidae	sp. 3	BR	IP	1		6564
Orthoptera	Gryllidae	sp. 3	BR	LF	1		6530
Orthoptera	Gryllidae	sp. 3	BR	IP	1		995
Orthoptera	Gryllidae	sp. 3	BR	IP	1		6541
Orthoptera	Gryllidae	sp. 3	CT	IP	1		914
Orthoptera	Gryllidae	sp. 3	CT	IP	1		915
Orthoptera	Gryllidae	sp. 4	BR	SW	1		6528
Orthoptera	Gryllidae	sp. 4	BR	BE	1		7188
Orthoptera	Gryllidae	sp. 4	CT	SW	1		7193
Orthoptera	Gryllidae	sp. 5	CT	IP	1		7194
Orthoptera	Gryllidae	sp. 5	CT	IP	1		7191
Orthoptera	Gryllidae	sp. 5	CT	SB	1		899
Orthoptera	Gryllidae	sp. 6	CT	BE	1		908

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Orthoptera	Gryllidae	sp. 7	CT	SW	1		928
Orthoptera	Gryllidae	sp. 8	CT	TR	1		900
Orthoptera	Gryllidae	sp. 8	CT	TR	1		901
Orthoptera	Gryllidae	sp. 9	CT	BE	1		907
Orthoptera	Gryllidae	sp. 9	CT	IP	1		912
Orthoptera	Gryllidae	sp. 9	CT	SW	1		921
Orthoptera	Rhaphidophoridae	<i>Ceuthophilus</i> sp. 1	BR	SB	1	C. Violette	6522
Orthoptera	Rhaphidophoridae	<i>Ceuthophilus</i> sp. 1	BR	IP	2	C. Violette	6523
Orthoptera	Rhaphidophoridae	<i>Ceuthophilus</i> sp. 1	BR	IP	1	C. Violette	6524
Orthoptera	Tettigoniidae	sp. 1	BR	TR	1		6539
Orthoptera	Tettigoniidae	sp. 1	BR	GM	1		6537
Orthoptera	Tettigoniidae	sp. 2	BR	SW	2		6540
Orthoptera	Tettigoniidae	sp. 2	BR	SW	3		6538
Orthoptera	Tettigoniidae	sp. 2	CT	BE	1		904
Orthoptera	Tettigoniidae	sp. 2	CT	BE	1		906
Orthoptera	Tettigoniidae	sp. 2	CT	GM	1		6623
Orthoptera	Tettigoniidae	sp. 2	CT	SW	4		918
Orthoptera	Tettigoniidae	sp. 2	CT	SW	2		919
Orthoptera	Tettigoniidae	sp. 2	CT	SW	2		922
Orthoptera	Tettigoniidae	sp. 2	CT	SW	2		923
Orthoptera	Tettigoniidae	sp. 2	CT	SW	1		924
Orthoptera	Tettigoniidae	sp. 2	CT	SW	4		925
Orthoptera	Tettigoniidae	sp. 2	CT	SW	2		926
Orthoptera	Tettigoniidae	sp. 2	CT	SW	3		927
Orthoptera	Tettigoniidae	sp. 2	CT	SW	1		929
Orthoptera	Tettigoniidae	sp. 2	CT	SW	2		930
Orthoptera	Tettigoniidae	sp. 3	CT	GM	1		903
Plecoptera	Leuctridae	sp. 1	BR	GM	1		12
Plecoptera	Leuctridae	sp. 1	BR	GM	1		23
Plecoptera	Leuctridae	sp. 1	BR	GM	3		25
Plecoptera	Leuctridae	sp. 2	BR	GM	1		20
Plecoptera	Nemouridae	sp. 1	BR	TR	1		13
Plecoptera	Nemouridae	sp. 1	BR	IP	1		14
Plecoptera	Nemouridae	sp. 1	BR	PO	1		19
Plecoptera	Nemouridae	sp. 1	BR	GM	1		21
Plecoptera	Perlidae	sp. 1	BR	LT	2		15
Plecoptera	Perlidae	sp. 1	BR	GM	1		22
Plecoptera	Perlidae	sp. 2	CT	LT	1		16
Polydesmida	Paradoxosomatidae	sp. 1	BR	SW	1		5899
Polydesmida	Paradoxosomatidae	sp. 1	BR	SB	1		6588
Polydesmida	Paradoxosomatidae	sp. 1	BR	LF	1		6586
Polydesmida	Paradoxosomatidae	sp.1	BR	TR	1		4373
Polydesmida	Paradoxosomatidae	sp.1	BR	SB	2		4381
Polydesmida	Paradoxosomatidae	sp.1	BR	SB	1		4382
Polydesmida	Paradoxosomatidae	sp.1	BR	SB	1		4388
Polydesmida	Polydesmidae	sp. 1	BR	SB	3		6583

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Polydesmida	Polydesmidae	sp. 1	BR	SB	1		6589
Polydesmida	Xystodesmidae	<i>Apheloria virginensis corrugata</i> (Wood)	VD	HD	2		8771
Polydesmida	Xystodesmidae	<i>Apheloria virginensis corrugata</i> (Wood)	VD	CO	1		8508
Polydesmida	Xystodesmidae	sp. 1	BR	SB	1		5905
Polyxenida	Polyxenidae	<i>Polyxenus</i> sp. 1	CT	LF	1	M. Hutchinson	780
Polyxenida	Polyxenidae	<i>Polyxenus</i> sp. 1	CT	SW	1	M. Hutchinson	781
Polyxenida	Polyxenidae	<i>Polyxenus</i> sp. 1	CT	TR	1	M. Hutchinson	782
Pseudoscorpiones	Neobisiidae	sp. 1	BR	LF	1		1226
Pseudoscorpiones	Neobisiidae	sp. 1	BR	CO	1		1230
Pseudoscorpiones	Neobisiidae	sp. 1	BR	CO	2		1231
Pseudoscorpiones	Neobisiidae	sp. 1	CT	CO	2		1233
Pseudoscorpiones	Neobisiidae	sp. 2	BR	LF	2		1225
Pseudoscorpiones	Neobisiidae	sp. 2	BR	LF	1		1227
Pseudoscorpiones	Neobisiidae	sp. 2	BR	LF	1		1228
Pseudoscorpiones	Neobisiidae	sp. 2	BR	CO	1		1229
Pseudoscorpiones	Neobisiidae	sp. 2	CT	CO	1		6599
Pseudoscorpiones	Neobisiidae	sp. 2	CT	LF	1		1232
Psocoptera	Amphipsocidae	sp. 1	BR	GM	1		2275
Psocoptera	Amphipsocidae	sp. 1	BR	BE	1		2359
Psocoptera	Amphipsocidae	sp. 1	BR	SB	1		2360
Psocoptera	Amphipsocidae	sp. 1	BR	IP	1		2368
Psocoptera	Amphipsocidae	sp. 1	BR	TR	1		2376
Psocoptera	Amphipsocidae	sp. 1	BR	BE	1		2382
Psocoptera	Amphipsocidae	sp. 1	BR	SW	1		2408
Psocoptera	Amphipsocidae	sp. 1	BR	BE	1		2414
Psocoptera	Amphipsocidae	sp. 1	BR	SB	1		2605
Psocoptera	Amphipsocidae	sp. 1	BR	BE	1		2606
Psocoptera	Amphipsocidae	sp. 1	BR	BE	1		2613
Psocoptera	Amphipsocidae	sp. 1	BR	SB	1		2618
Psocoptera	Amphipsocidae	sp. 2	BR	GM	1		2234
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2186
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2206
Psocoptera	Caeciliidae	sp. 1	BR	GM	2		2213
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2247
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2248
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2261
Psocoptera	Caeciliidae	sp. 1	BR	GM	2		2268
Psocoptera	Caeciliidae	sp. 1	BR	GM	3		2324
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2331
Psocoptera	Caeciliidae	sp. 1	BR	GM	4		2332
Psocoptera	Caeciliidae	sp. 1	BR	GM	4		2339
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2346
Psocoptera	Caeciliidae	sp. 1	BR	SW	1		2375
Psocoptera	Caeciliidae	sp. 1	BR	BE	1		2383
Psocoptera	Caeciliidae	sp. 1	BR	SW	1		2384
Psocoptera	Caeciliidae	sp. 1	BR	SW	1		2413

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Psocoptera	Caeciliidae	sp. 1	BR	SW	2		2432
Psocoptera	Caeciliidae	sp. 1	BR	BE	3		2445
Psocoptera	Caeciliidae	sp. 1	BR	SW	1		2457
Psocoptera	Caeciliidae	sp. 1	BR	SW	3		2458
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2601
Psocoptera	Caeciliidae	sp. 1	BR	BE	1		2612
Psocoptera	Caeciliidae	sp. 1	BR	BE	1		2615
Psocoptera	Caeciliidae	sp. 1	BR	SB	1		2617
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2620
Psocoptera	Caeciliidae	sp. 1	BR	SW	1		2629
Psocoptera	Caeciliidae	sp. 1	BR	SW	1		2636
Psocoptera	Caeciliidae	sp. 1	BR	BE	1		2645
Psocoptera	Caeciliidae	sp. 1	BR	GM	1		2784
Psocoptera	Caeciliidae	sp. 1	BR	GM	4		6572
Psocoptera	Ectopsocidae	sp. 1	BR	GM	1		2619
Psocoptera	Ectopsocidae	sp. 1	CT	BE	1		2668
Psocoptera	Ectopsocidae	sp. 1	CT	BE	2		2669
Psocoptera	Ectopsocidae	sp. 1	CT	GM	2		2664
Psocoptera	Ectopsocidae	sp. 1	CT	SW	1		2665
Psocoptera	Ectopsocidae	sp. 1	CT	SW	1		2666
Psocoptera	Ectopsocidae	sp. 2	BR	GM	3		2599
Psocoptera	Ectopsocidae	sp. 2	BR	LC	2		2602
Psocoptera	Ectopsocidae	sp. 2	BR	GM	2		2604
Psocoptera	Ectopsocidae	sp. 2	BR	BE	1		2607
Psocoptera	Ectopsocidae	sp. 2	BR	LC	1		2608
Psocoptera	Ectopsocidae	sp. 2	BR	LF	5		2611
Psocoptera	Ectopsocidae	sp. 2	BR	BE	1		2614
Psocoptera	Ectopsocidae	sp. 2	BR	TR	1		2616
Psocoptera	Ectopsocidae	sp. 2	BR	IP	1		2621
Psocoptera	Ectopsocidae	sp. 2	BR	LF	2		2622
Psocoptera	Ectopsocidae	sp. 2	BR	SW	1		2638
Psocoptera	Ectopsocidae	sp. 2	BR	BE	10		2658
Psocoptera	Ectopsocidae	sp. 2	BR	LF	2		2659
Psocoptera	Ectopsocidae	sp. 2	BR	GM	1		2660
Psocoptera	Ectopsocidae	sp. 2	BR	LT	1		2673
Psocoptera	Ectopsocidae	sp. 2	BR	IP	1		2788
Psocoptera	Ectopsocidae	sp. 2	BR	LF	1		2797
Psocoptera	Ectopsocidae	sp. 2	BR	LF	2		2801
Psocoptera	Ectopsocidae	sp. 2	BR	BE	1		2802
Psocoptera	Ectopsocidae	sp. 2	BR	BE	1		6747
Psocoptera	Ectopsocidae	sp. 2	BR	BE	1		6769
Psocoptera	Ectopsocidae	sp. 2	CT	BE	1		2667
Psocoptera	Ectopsocidae	sp. 2	CT	BE	1		2671
Psocoptera	Ectopsocidae	sp. 3	BR	BE	1		2451
Psocoptera	Ectopsocidae	sp. 3	BR	SW	2		2463
Psocoptera	Ectopsocidae	sp. 3	BR	SW	1		2609

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Psocoptera	Ectopsocidae	sp. 3	BR	BE	3		2610
Psocoptera	Ectopsocidae	sp. 3	BR	BE	3		2646
Psocoptera	Ectopsocidae	sp. 3	BR	BE	1		2653
Psocoptera	Ectopsocidae	sp. 3	BR	BE	1		2661
Psocoptera	Ectopsocidae	sp. 3	BR	GM	2		2783
Psocoptera	Ectopsocidae	sp. 3	BR	GM	1		6573
Psocoptera	Ectopsocidae	sp. 3	BR	BE	1		6768
Psocoptera	Ectopsocidae	sp. 3	BR	BE	4		6755
Psocoptera	Ectopsocidae	sp. 3	BR	GM	1		6767
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2741
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2785
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2786
Psocoptera	Epipsocidae	sp. 1	BR	IP	2		2787
Psocoptera	Epipsocidae	sp. 1	BR	IP	2		2790
Psocoptera	Epipsocidae	sp. 1	BR	IP	3		2791
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2792
Psocoptera	Epipsocidae	sp. 1	BR	IP	2		2794
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2799
Psocoptera	Epipsocidae	sp. 1	BR	LF	2		2800
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2803
Psocoptera	Epipsocidae	sp. 1	BR	CO	1		2804
Psocoptera	Epipsocidae	sp. 1	BR	IP	2		2805
Psocoptera	Epipsocidae	sp. 1	BR	IP	1		2793
Psocoptera	Epipsocidae	sp. 1	CT	IP	1		2670
Psocoptera	Lachesillidae	sp. 1	BR	GM	1		2179
Psocoptera	Lachesillidae	sp. 1	BR	LT	1		2227
Psocoptera	Lachesillidae	sp. 1	BR	SW	1		2637
Psocoptera	Lachesillidae	sp. 1	BR	GM	1		2672
Psocoptera	Lachesillidae	sp. 1	BR	LT	1		2789
Psocoptera	Lachesillidae	sp. 1	CT	GM	1		2663
Psocoptera	Lachesillidae	sp. 2	BR	GM	1		6575
Psocoptera	Lachesillidae	sp. 3	BR	GM	1		6746
Psocoptera	Lepidopsocidae	sp. 1	CT	TR	1		1917
Psocoptera	Lepidopsocidae	sp. 1	CT	TR	4		1953
Psocoptera	Psocidae	sp. 1	BR	GM	1		2166
Psocoptera	Psocidae	sp. 1	BR	GM	1		2193
Psocoptera	Psocidae	sp. 1	BR	GM	1		2255
Psocoptera	Psocidae	sp. 1	BR	TR	1		2367
Psocoptera	Psocidae	sp. 1	BR	BE	1		2420
Psocoptera	Psocidae	sp. 1	BR	TR	1		2469
Psocoptera	Psocidae	sp. 1	BR	GM	1		2600
Psocoptera	Psocidae	sp. 1	CT	TR	1		2662
Psocoptera	Psocidae	sp. 2	BR	LT	3		2220
Psocoptera	Psocidae	sp. 2	BR	TR	2		2427
Psocoptera	Psocidae	sp. 2	BR	GM	1		2598
Psocoptera	Psocidae	sp. 2	BR	GM	1		2603

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Psocoptera	Psocidae	sp. 2	BR	TR	1		2796
Psocoptera	Psocidae	sp. 2	BR	GM	1		6574
Psocoptera	Psocidae	sp. 2	BR	TR	1		6770
Psocoptera	Trogiidae	sp. 1	BR	BE	2		4745
Psocoptera	Trogiidae	sp. 1	CT	SB	1		4755
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4368
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4372
Spirostreptida	Cambalidae	sp. 1	BR	SB	1		4374
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4378
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4379
Spirostreptida	Cambalidae	sp. 1	BR	SB	1		4383
Spirostreptida	Cambalidae	sp. 1	BR	IP	2		4384
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4386
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4387
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4389
Spirostreptida	Cambalidae	sp. 1	BR	IP	3		4390
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		4393
Spirostreptida	Cambalidae	sp. 1	BR	IP	3		4394
Spirostreptida	Cambalidae	sp. 1	BR	IP	2		4395
Spirostreptida	Cambalidae	sp. 1	BR	IP	6		4396
Spirostreptida	Cambalidae	sp. 1	BR	SB	2		4397
Spirostreptida	Cambalidae	sp. 1	BR	LF	32		4399
Spirostreptida	Cambalidae	sp. 1	BR	IP	4		4400
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		5897
Spirostreptida	Cambalidae	sp. 1	BR	SB	1		5901
Spirostreptida	Cambalidae	sp. 1	BR	CO	1		5902
Spirostreptida	Cambalidae	sp. 1	BR	CO	3		5903
Spirostreptida	Cambalidae	sp. 1	BR	LF	1		5904
Spirostreptida	Cambalidae	sp. 1	BR	IP	1		5906
Spirostreptida	Cambalidae	sp. 1	BR	LF	5		5907
Spirostreptida	Cambalidae	sp. 1	BR	LF	2		5909
Spirostreptida	Cambalidae	sp. 1	BR	LF	1		5910
Spirostreptida	Cambalidae	sp. 1	BR	LF	6		5912
Spirostreptida	Cambalidae	sp. 1	BR	LF	2		5915
Spirostreptida	Cambalidae	sp. 1	BR	SB	2		6584
Spirostreptida	Cambalidae	sp. 1	BR	SB	1		790
Spirostreptida	Cambalidae	sp. 1	BR	LF	1		6598
Spirostreptida	Cambalidae	sp. 1	CT	CO	1		784
Spirostreptida	Cambalidae	sp. 1	CT	IP	1		785
Spirostreptida	Cambalidae	sp. 1	CT	IP	1		786
Spirostreptida	Cambalidae	sp. 1	CT	IP	1		787
Spirostreptida	Cambalidae	sp. 1	CT	SW	1		788
Spirostreptida	Cambalidae	sp. 1	CT	SW	1		789
Spirostreptida	Cambalidae	sp. 2	CT	SB	1		783
Thysanoptera	Aeolothripidae	sp. 1	BR	GM	1		141
Thysanoptera	Aeolothripidae	sp. 1	BR	GM	1		142

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Thysanoptera	Aeolothripidae	sp. 2	BR	GM	2		143
Thysanoptera	Aeolothripidae	sp. 2	BR	GM	1		145
Thysanoptera	Aeolothripidae	sp. 2	BR	GM	1		257
Thysanoptera	Aeolothripidae	sp. 3	BR	SW	1		101
Thysanoptera	Aeolothripidae	sp. 3	BR	GM	1		7149
Thysanoptera	Aeolothripidae	sp. 4	BR	GM	1		110
Thysanoptera	Phlaeothripidae	sp. 1	BR	GM	1		140
Thysanoptera	Phlaeothripidae	sp. 1	CT	BE	1		85
Thysanoptera	Phlaeothripidae	sp. 1	CT	CO	1		90
Thysanoptera	Phlaeothripidae	sp. 1	CT	CO	1		99
Thysanoptera	Phlaeothripidae	sp. 2	BR	SW	1		151
Thysanoptera	Phlaeothripidae	sp. 2	BR	UC	2		125
Thysanoptera	Phlaeothripidae	sp. 2	CT	BE	1		84
Thysanoptera	Phlaeothripidae	sp. 2	CT	GM	1		86
Thysanoptera	Phlaeothripidae	sp. 2	CT	SB	1		83
Thysanoptera	Phlaeothripidae	sp. 3	BR	SW	1		155
Thysanoptera	Phlaeothripidae	sp. 3	BR	SW	1		159
Thysanoptera	Phlaeothripidae	sp. 3	BR	GM	3		111
Thysanoptera	Phlaeothripidae	sp. 3	BR	GM	1		144
Thysanoptera	Phlaeothripidae	sp. 3	BR	GM	2		146
Thysanoptera	Phlaeothripidae	sp. 3	BR	SW	1		148
Thysanoptera	Phlaeothripidae	sp. 4	BR	GM	1		112
Thysanoptera	Phlaeothripidae	sp. 4	CT	CO	1		7148
Thysanoptera	Phlaeothripidae	sp. 5	CT	CO	1		93
Thysanoptera	Phlaeothripidae	sp. 5	CT	CO	1		7147
Thysanoptera	Thripidae	sp. 1	BR	SW	11		102
Thysanoptera	Thripidae	sp. 1	BR	SW	1		104
Thysanoptera	Thripidae	sp. 1	BR	SW	3		108
Thysanoptera	Thripidae	sp. 1	BR	CO	1		109
Thysanoptera	Thripidae	sp. 1	BR	SW	12		149
Thysanoptera	Thripidae	sp. 1	BR	SW	1		150
Thysanoptera	Thripidae	sp. 1	BR	SW	29		152
Thysanoptera	Thripidae	sp. 1	BR	SW	1		153
Thysanoptera	Thripidae	sp. 1	BR	SW	42		154
Thysanoptera	Thripidae	sp. 1	BR	SW	4		156
Thysanoptera	Thripidae	sp. 1	BR	SW	4		157
Thysanoptera	Thripidae	sp. 1	BR	SW	3		158
Thysanoptera	Thripidae	sp. 1	BR	SW	2		160
Thysanoptera	Thripidae	sp. 1	BR	CO	1		117
Thysanoptera	Thripidae	sp. 1	BR	CO	2		118
Thysanoptera	Thripidae	sp. 1	BR	CO	2		123
Thysanoptera	Thripidae	sp. 1	BR	UC	1		126
Thysanoptera	Thripidae	sp. 1	BR	IP	1		127
Thysanoptera	Thripidae	sp. 1	BR	IP	1		128
Thysanoptera	Thripidae	sp. 1	BR	IP	1		129
Thysanoptera	Thripidae	sp. 1	BR	IP	1		130

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Thysanoptera	Thripidae	sp. 1	BR	IP	1		131
Thysanoptera	Thripidae	sp. 1	BR	TR	1		134
Thysanoptera	Thripidae	sp. 1	BR	TR	1		135
Thysanoptera	Thripidae	sp. 1	BR	GM	1		139
Thysanoptera	Thripidae	sp. 1	BR	GM	2		147
Thysanoptera	Thripidae	sp. 1	BR	SW	3		7144
Thysanoptera	Thripidae	sp. 1	CT	CO	1		94
Thysanoptera	Thripidae	sp. 1	CT	SW	1		88
Thysanoptera	Thripidae	sp. 2	BR	SW	1		103
Thysanoptera	Thripidae	sp. 2	BR	SW	1		106
Thysanoptera	Thripidae	sp. 2	BR	SW	1		161
Thysanoptera	Thripidae	sp. 2	BR	LC	1		114
Thysanoptera	Thripidae	sp. 2	BR	LC	1		115
Thysanoptera	Thripidae	sp. 2	BR	LT	1		116
Thysanoptera	Thripidae	sp. 2	BR	IP	1		132
Thysanoptera	Thripidae	sp. 2	BR	GM	1		137
Thysanoptera	Thripidae	sp. 2	BR	GM	1		138
Thysanoptera	Thripidae	sp. 2	BR	SW	2		7136
Thysanoptera	Thripidae	sp. 2	BR	SW	1		7138
Thysanoptera	Thripidae	sp. 2	BR	SW	1		7139
Thysanoptera	Thripidae	sp. 2	BR	GM	1		7142
Thysanoptera	Thripidae	sp. 2	BR	SW	2		7128
Thysanoptera	Thripidae	sp. 2	BR	SW	1		7144
Thysanoptera	Thripidae	sp. 2	BR	SW	2		7140
Thysanoptera	Thripidae	sp. 2	BR	SW	2		7134
Thysanoptera	Thripidae	sp. 2	CT	CO	1		91
Thysanoptera	Thripidae	sp. 2	CT	SW	1		89
Thysanoptera	Thripidae	sp. 3	BR	BE	1		113
Thysanoptera	Thripidae	sp. 3	BR	CO	3		120
Thysanoptera	Thripidae	sp. 3	BR	TR	1		133
Thysanoptera	Thripidae	sp. 3	BR	TR	1		136
Thysanoptera	Thripidae	sp. 3	BR	CO	1		7131
Thysanoptera	Thripidae	sp. 3	BR	GM	1		7132
Thysanoptera	Thripidae	sp. 3	BR	GM	1		7143
Thysanoptera	Thripidae	sp. 3	BR	SW	1		7129
Thysanoptera	Thripidae	sp. 3	CT	CO	1		92
Thysanoptera	Thripidae	sp. 3	CT	CO	2		96
Thysanoptera	Thripidae	sp. 3	CT	CO	1		97
Thysanoptera	Thripidae	sp. 3	CT	CO	2		98
Thysanoptera	Thripidae	sp. 4	BR	SW	2		105
Thysanoptera	Thripidae	sp. 4	BR	SW	2		107
Thysanoptera	Thripidae	sp. 4	BR	GM	1		7141
Thysanoptera	Thripidae	sp. 4	BR	SW	15		7137
Thysanoptera	Thripidae	sp. 5	BR	SW	1		7133
Thysanoptera	Thripidae	sp. 5	BR	SW	2		7135
Thysanoptera	Thripidae	sp. 6	BR	SW	2		100

Order	Family	Scientific name	Site	Trap type	Number of specimens	Determiner	PSU vial #
Thysanoptera	Thripidae	sp. 6	CT	IP	1		82
Thysanoptera	Thripidae	sp. 6	CT	SW	1		87
Trichoptera	Hydropsychidae	sp. 1	BR	LT	13		28
Trichoptera	Hydropsychidae	sp. 1	CT	LT	8		6124
Trichoptera	Philopotamidae	sp. 1	BR	GM	1		24

Appendix C. Statistics on samples, families and sites used in the analysis.

Table C1. Site Abbreviations and year sampled.

Site Abbreviation	Site Name	Grouped in Analysis	Year Sampled
BR or br	Big Round Top	no	1999
CT or ct	Cadori Trostle Thicket	no	1999
MC	Marsh Creek	yes - also y2k site	2000
PA	PA Monument	yes - also y2k site	2000
VD	Valley of Death	yes - also y2k site	2000
WF	Wills Farm	yes - also y2k site	2000

Table C2. Sites breakdown of taxonomic records used in the ecological analysis. A record constitutes a family within a sample and the number of individuals within that family/sample. See Table C1 for explanation of site abbreviations.

Sites	Number of Records
BR	4638
CT	2143
MC	229
PA	223
VD	165
WF	214
Grand Total	7612

Table C3. Summary table of biodiversity measurements by site and station.

Site	Sample Station	# of Traps	Abundance	Family Richness	H' - Shannon Diversity Index	Evenness
BR		13	14966	216	3.630	0.675
CT		11	6304	179	3.590	0.692
MC		10	1416	72	2.810	0.657
PA		8	1468	70	2.794	0.658
VD		10	1139	67	3.068	0.729
WF		10	1341	72	3.144	0.735
BR	W1		530	69	3.008	0.710
	W2		1364	119	3.550	0.743
	W3		298	70	3.201	0.753
	W4		360	59	2.853	0.700
	W5		525	66	2.526	0.603
	X1		292	54	3.167	0.794
	X3		7313	191	3.464	0.660
	Y2		241	66	3.280	0.783
	Y4		278	66	3.213	0.767
	Z1		206	64	3.401	0.818
	Z4		3538	133	2.918	0.597
CT	R1		999	89	2.773	0.618
	R3		220	49	2.975	0.765
	R5		348	59	3.299	0.809
	R6		115	38	3.063	0.842
	R8		154	40	2.724	0.738
	R9		282	55	3.227	0.805
	S2		270	61	3.399	0.827
	S4		1025	100	3.434	0.746
	S7		1979	115	2.715	0.572
	S8		773	92	3.398	0.752
	S9		138	46	3.280	0.857
MC	A		95	32	3.173	0.916
	B		178	28	2.551	0.766
	blank		1143	57	2.469	0.611
PA	A		281	34	2.065	0.586
	B		186	29	2.704	0.803
	blank		1001	52	2.395	0.606
VD	A		150	30	2.567	0.755
	B		225	26	2.668	0.819
	blank		764	49	2.615	0.672
WF	A		413	36	2.283	0.637
	B		341	32	2.338	0.675
	blank		587	45	2.812	0.739

Table C4. Overall family list (233) for the ecological analysis of the GETT/EISE data set. Site and sample specific data for each family can be found in the GETT/EISE database in Appendix B.

Acanaloniidae	Cleridae	Hahniidae	Nemouridae	Sciaridae
Acrididae	Clubionidae	Halictidae	Neobisiidae	Sciomyzidae
Acrolophidae	Coccinellidae	Heleomyzidae	Nepticulidae	Scolytidae
Aeolothripidae	Coccoidea	Helodidae	Nitidulidae	Scydmaenidae
Agelenidae	Coenagrionidae	Hemerobiidae	Noctuidae	Sepsidae
Agromyzidae	Colydiidae	Heptageniidae	Notodontidae	Sierolomorphidae
Aleyrodidae	Conopidae	Hesperidae	Oecophoridae	Sminthuridae
Alleculidae	Corinnidae	Heteroceridae	Onychiuridae	Sphaeroceridae
Amphisocidae	Corixidae	Histeridae	Oxyopidae	Sphecoidea
Anobiidae	Corylophidae	Hydrophilidae	Paradoxosomatidae	Staphylinidae
Anthicidae	Cosmopterigidae	Hydropsychidae	Passalidae	Stratiomyidae
Anthocoridae	Cryptophagidae	Hypogastruridae	Pentatomidae	Syrphidae
Anthomyiidae	Cucujidae	Ichneumonidae	Perilampidae	Tabanidae
Anthrribidae	Culicidae	Isotomidae	Perlidae	Tachinidae
Anyphaenidae	Curculionidae	Ixodidae	Phalacridae	Tenebrionidae
Aphelinidae	Cydnidae	Japygidae	Phalangiidae	Tenthredinidae
Aphididae	Cynipidae	Johnstonianidae	Philodromidae	Tephritidae
Apidae	Dascillidae	Lachesillidae	Philopotamidae	Tetragnathidae
Araneidae	Delphacidae	Lampyridae	Phlaeothripidae	Tettigoniidae
Arctiidae	Dermestidae	Lasiocampidae	Phoridae	Therevidae
Asilidae	Diapriidae	Lathridiidae	Pipunculidae	Theridiidae
Aulacigastridae	Dictynidae	Lauxaniidae	Pisauridae	Thomisidae
Baetidae	Dolichopodidae	Leiobunidae	Platygastridae	Thripidae
Berytidae	Dolichopodidae	Leioididae	Platystomatidae	Throscidae
Bethylidae	Drosophilidae	Lepidopsocidae	Polydesmidae	Tineidae
Blastobasidae	Dryinidae	Leuctridae	Polyxenidae	Tingidae
Blatellidae	Dytiscidae	Linyphiidae	Pompilidae	Tiphiidae
Braconidae	Ectopsocidae	Lithobiidae	Pselaphidae	Tipulidae
Buprestidae	Elateridae	Lonchopteridae	Psephenidae	Tortricidae
Caeciliidae	Empididae	Lycidae	Psocidae	Trichogrammatidae
Calliphoridae	Encyrtidae	Lycosidae	Psychodidae	Trigonalidae
Cambalidae	Entomobryidae	Lygaeidae	Psyllidae	Trogiidae
Campodeidae	Ephyridae	Lymantriidae	Pteromalidae	Trogositidae
Cantharidae	Epiplemidae	Machilidae	Pterophoridae	Uliidae
Carabidae	Epipsocidae	Mantidae	Ptilodactylidae	Uloboridae
Cecidomyiidae	Erigonidae	Megaspilidae	Pyrilidae	Vespidae
Cerambycidae	Erotylidae	Meinertellidae	Reduviidae	Xystodesmidae
Ceraphronidae	Eucoilidae	Melandyriidae	Rhagionidae	
Ceratopogonidae	Eulophidae	Melyridae	Rhaphidophoridae	
Cercopidae	Eupelmidae	Membracidae	Rhinotermitidae	
Chalcididae	Eurytomidae	Milichiidae	S.O. Cryptostigmata	
Chaoboridae	Figitidae	Miridae	S.O. Mesostigmata	
Chironomidae	Formicidae	Mordellidae	S.O. Prostigmata	
Chloropidae	Gelechiidae	Muscidae	Salticidae	
Chrysididae	Geometridae	Mutillidae	Sarcophagidae	
Chrysomelidae	Gerridae	Mycetophagidae	Scarabaeidae	
Chrysopidae	Gnaphosidae	Mycetophilidae	Scathophagidae	
Cicadellidae	Gryllacrididae	Mymaridae	Scatopsidae	
Cixiidae	Gryllidae	Nabidae	Scelionidae	

Table C5. List of analyses and the number of families and samples used in the analysis.

Analysis	Families	Samples
Rarefaction	126	71
DCA Multivariate Analysis	204	205
DCCA-Spp/Sample and Environmental Matrix	187	186
Surrogate Analysis - Regression	115	71
DCCA - Trap Indirect Gradient Analysis	126	114
Diversity - Richness - Abundance - Evenness	207	Variable

Appendix D. Photographs of sixteen GETT/EISE monitoring taxa.

Image	Order	Name	Family	Trophic Habits	Inventory Abundance	Occurrence (# of stations)	Trap Type(s)
A1.	Araneae	<i>Agelinopsis pennsylvanica</i>	Agelinidae	predator	5	1 (CT)	GM, IP, SW, TR
A2.	Diptera	<i>Leptogaster flavipes</i>	Ascididae	predator	35	2 (BR)	GM
A3.	Blattoidea	<i>Parcoblatta virginica</i>	Blatellidae	omnivore	2	1 (BR)	LT, SB
A4.	Homoptera	<i>Philaenus spumarius</i>	Cercopidae	phytophagous	192	18 (7BR; 11CT)	BE, GM, SV, SW, TR
A5.	Diptera	<i>Oscinella frit</i>	Chloropidae	phytophagous	256	6 (4BR; 2CT)	GM, SW
A6.	Coleoptera	<i>Metrioria</i> sp.	Chrysomelidae	phytophagous	15	1 (WF)	SB, SW
A7.	Coleoptera	<i>Systema hudsonias</i>	Chrysomelidae	phytophagous	4	2 (BR)	BE, GM, SW
A8.	Homoptera	<i>Agallia constricta</i>	Cicadellidae	phytophagous	20	8 (4BR; 4CT)	BE, IP, SW
A9.	Coleoptera	<i>Cicindela sexguttata</i>	Cicindellidae	predator	1	1 (BR)	GM
A10.	Diptera	<i>Chrysotus obliquus complex</i>	Dolichopodidae	predator	39	6 (1Br; 5CT)	GM, SW
A11.	Hymenoptera	<i>Camponotus</i> sp. 1	Formicidae	omnivore	71	27 (13Br; 14CT)	GM, IP, LT, SB, SW, TR
A12.	Hymenoptera	<i>Ophion</i> sp.	Ichneumonidae	predator/parasite	17	1 (MC)	GM
A13.	Araneae	<i>Oxyopes</i>	Oxyopidae	predator	7	3 (MC;PA;VD)	SW
A14.	Coleoptera	<i>Odontotaenius disjunctus</i>	Passalidae	detritivore	13	5 (CT)	SB
A15.	Diptera	<i>Pipunculus (Eudorylas)</i> sp.	Pipunculidae	predator/parasite	7	4 (3BR; 1CT)	GM, SW
A16.	Orthoptera	<i>Oecanthus</i> sp.	Gryllidae	phytophagous	26	8 (BR)	SW, TR, SB, IP, BE



Figure D1. Source: <http://www.ento.psu.edu/extension/factsheets/spider/grassspider2.jpg>.



Figure D2. Source: <http://www.insectimages.org/images/768x512/1223147.jpg>.



Figure D3. Source: <http://www.insectimages.org/images/768x512/5369901.jpg>.



Figure D4. Source: <http://www.insectimages.org/images/768x512.5211093.jpg>.



Figure D5. Source: http://www.agroatlas.spb.ru/pests/Oscinella_frit.jpg.



Figure D6. Source: <http://picasaweb.google.com/andy.gale/InsectsMay2006ToJanuary2007#5071246660729898786>.



Figure D7. Source: <http://bugguide.net/images/raw/IKAK4KDK7KAK4K1K4KNQRSUQ30UQLSXKRSXKVK9QHS8KY08QUKZKUK4Q6KZKVKUQOK5KNKSKCK.jpg>.



Figure D8. Source: <http://bugguide.net/node/view/112203/bgimage>.



Figure D9. Source: <http://bugguide.net/node/view/863>.



Figure D10. Source: http://insects.oeb.harvard.edu/MCZ/FMPro?-DB=Image.fr&-Lay=web&-Format=images.htm&Species_ID=12896&-Find.



Figure D11. Source: <http://www.insectimages.org/images/768x512/5311086.jpg>.



Figure D12. Source: <http://www.insectimages.org/images/768x512/1482014.jpg>.



Figure D13. Source: <http://bugguide.net/.node/view/47221>.



Figure D14. Sources: <http://www.freeinfosociety.com/site.php?postnum=205> and <http://www.insectimages.org/images/768x512/1274039.jpg>.



Figure D15. Source: <http://tolweb.org/onlinecontributors/app;jsessionid=97BCD8543C15BFCA4181B2067EFD4D7B?page=ViewImageData&service=external&sp=30755&state:ImageGallery=ZH4sIAAAAAAAAFvzloG1nJeBgYGJgYEtLz8ITOluliBLyuxLFEvJzEvXc8nPy%2FduvvJhDP9yveZGBi9GFjLEnNKUyuKGAQivxKc5N>.



Figure D15. Source: <http://www.insectimages.org/images/768x512/1236127.jpg>.

Appendix E. Butterfly species list and sites from point surveys in 1999 and 2000.

Family	ScientificName	Authority	CommonName	Site
Danaidae	<i>Danaus plexippus</i>	(Linnaeus 1758)	monarch	1
Danaidae	<i>Danaus plexippus</i>	(Linnaeus 1758)	monarch	3
Danaidae	<i>Danaus plexippus</i>	(Linnaeus 1758)	monarch	26
Hesperiidae	<i>Ancyloxypha numitor</i>		least skipper	3
Hesperiidae	<i>Ancyloxypha numitor</i>		least skipper	10
Hesperiidae	<i>Atalopedes campestris</i>		sachem	10
Hesperiidae	<i>Epargyreus clarus</i>		silver-spotted skipper	1
Hesperiidae	<i>Epargyreus clarus</i>		silver-spotted skipper	10
Hesperiidae	<i>Epargyreus clarus</i>		silver-spotted skipper	26
Hesperiidae	<i>Erynnis brizo</i>	(Boisduval & LeConte 1834)	sleepy dusky wing	1
Hesperiidae	<i>Erynnis juvenalis</i>	(Fabricius 1793)	juvenal's dusky wing	1
Hesperiidae	<i>Erynnis juvenalis</i>	(Fabricius 1793)	juvenal's dusky wing	4
Hesperiidae	<i>Erynnis juvenalis</i>	(Fabricius 1793)	juvenal's dusky wing	5
Hesperiidae	<i>Erynnis juvenalis</i>	(Fabricius 1793)	juvenal's dusky wing	8
Hesperiidae	<i>Euphys dion</i>	(Edwards 1879)	Dion skipper	30
Hesperiidae	<i>Poanes hobomok</i>	(Horris 1862)	hobomok skipper	15
Hesperiidae	<i>Poanes hobomok</i>	(Horris 1862)	hobomok skipper	16
Hesperiidae	<i>Poanes hobomok</i>	(Horris 1862)	hobomok skipper	26
Hesperiidae	<i>Polites mystic</i>	(Edwards 1863)	long dash	1
Hesperiidae	<i>Polites mystic</i>	(Edwards 1863)	long dash	4
Hesperiidae	<i>Polites mystic</i>	(Edwards 1863)	long dash	6
Hesperiidae	<i>Polites mystic</i>	(Edwards 1863)	long dash	24
Hesperiidae	<i>Polites mystic</i>	(Edwards 1863)	long dash	25
Hesperiidae	<i>Polites mystic</i>	(Edwards 1863)	long dash	26
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	1
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	3
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	13
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	16
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	18
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	23
Hesperiidae	<i>Polites peckius</i>	(Kirby 1837)	Peck's skipper	26
Hesperiidae	<i>Pompeius verna</i>	(Edwards 1862)	little glassy wing	1
Hesperiidae	<i>Pompeius verna</i>	(Edwards 1862)	little glassy wing	3
Hesperiidae	<i>Pompeius verna</i>	(Edwards 1862)	little glassy wing	15
Hesperiidae	<i>Pompeius verna</i>	(Edwards 1862)	little glassy wing	16
Hesperiidae	<i>Pompeius verna</i>	(Edwards 1862)	little glassy wing	26
Hesperiidae	<i>Pompeius verna</i>	(Edwards 1862)	little glassy wing	27
Hesperiidae	<i>Thorybes pylades</i>	(Scudder 1870)	northern cloudy wing	1
Hesperiidae	<i>Thorybes pylades</i>	(Scudder 1870)	northern cloudy wing	4
Hesperiidae	<i>Thorybes pylades</i>	(Scudder 1870)	northern cloudy wing	23
Hesperiidae	<i>Thorybes pylades</i>	(Scudder 1870)	northern cloudy wing	24
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	1
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	3
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	4
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	6
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	10
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	11
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	16
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	20
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	23
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	26
Hesperiidae	<i>Thymelicus lineola</i>	(Ochsenheimer 1808)	European skipper	27

Family	ScientificName	Authority	CommonName	Site
Hesperiidae	Unknown			1
Hesperiidae	Unknown			6
Hesperiidae	Unknown			23
Hesperiidae	Unknown			24
Lycaenidae	<i>Celastrina agriolus</i>	(Linnaeus 1758)	spring azure	1
Lycaenidae	<i>Celastrina agriolus</i>	(Linnaeus 1758)	spring azure	3
Lycaenidae	<i>Celastrina agriolus</i>	(Linnaeus 1758)	spring azure	4
Lycaenidae	<i>Celastrina agriolus</i>	(Linnaeus 1758)	spring azure	8
Lycaenidae	<i>Celastrina agriolus</i>	(Linnaeus 1758)	spring azure	10
Lycaenidae	<i>Celastrina agriolus</i>	(Linnaeus 1758)	spring azure	16
Lycaenidae	<i>Everes comyntas</i>	(Eodt 1824)	eastern tailed blue	6
Lycaenidae	<i>Everes comyntas</i>	(Eodt 1824)	eastern tailed blue	13
Lycaenidae	<i>Everes comyntas</i>	(Eodt 1824)	eastern tailed blue	26
Lycaenidae	<i>Satyrrium calanus</i>	(Hubner 1808)	banded hairstreak	6
Lycaenidae	<i>Strymon melinus</i>	(Hubner 1818)	gray hairstreak	1
Lycaenidae	<i>Strymon melinus</i>	(Hubner 1818)	gray hairstreak	11
Lycaenidae	<i>Strymon melinus</i>	(Hubner 1818)	gray hairstreak	13
Lycaenidae	<i>Strymon melinus</i>	(Hubner 1818)	gray hairstreak	26
Nymphalidae	<i>Coenonympha tullia inornata</i>		common wood nymph	15
Nymphalidae	<i>Coenonympha tullia inornata</i>		common wood nymph	26
Nymphalidae	<i>Coenonympha tullia inornata</i>		common wood nymph	30
Nymphalidae	<i>Euphydryas phaeton</i>	(Drury 1773)	Baltimore	3
Nymphalidae	<i>Euphydryas phaeton</i>	(Drury 1773)	Baltimore	4
Nymphalidae	<i>Euphydryas phaeton</i>	(Drury 1773)	Baltimore	6
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	3
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	4
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	6
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	10
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	15
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	16
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	17
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	18
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	19
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	25
Nymphalidae	<i>Megisto cymela</i>	(Cramer 1777)	little wood satyr	27
Nymphalidae	<i>Phyciodes tharos</i>	(Drury 1773)	pearl crescent	1
Nymphalidae	<i>Phyciodes tharos</i>	(Drury 1773)	pearl crescent	3
Nymphalidae	<i>Phyciodes tharos</i>	(Drury 1773)	pearl crescent	5
Nymphalidae	<i>Phyciodes tharos</i>	(Drury 1773)	pearl crescent	6
Nymphalidae	<i>Phyciodes tharos</i>	(Drury 1773)	pearl crescent	8
Nymphalidae	<i>Phyciodes tharos</i>	(Drury 1773)	pearl crescent	10
Nymphalidae	<i>Polygonia comma</i>	(Harris 1842)	comma	19
Nymphalidae	<i>Polygonia interrogationis</i>	(Fabricius 1798)	question mark	4
Nymphalidae	<i>Polygonia interrogationis</i>	(Fabricius 1798)	question mark	16
Nymphalidae	<i>Speyeria cybele</i>	(Fabricius 1775)	great spangled fritillary	10
Nymphalidae	<i>Speyeria cybele</i>	(Fabricius 1775)	great spangled fritillary	13
Nymphalidae	<i>Speyeria cybele</i>	(Fabricius 1775)	great spangled fritillary	15
Nymphalidae	<i>Speyeria cybele</i>	(Fabricius 1775)	great spangled fritillary	26
Nymphalidae	<i>Speyeria cybele</i>	(Fabricius 1775)	great spangled fritillary	27
Nymphalidae	<i>Vanessa virginiensis</i>	(Drury 1773)	American painted lady	1
Nymphalidae	<i>Vanessa virginiensis</i>	(Drury 1773)	American painted lady	3
Nymphalidae	<i>Vanessa virginiensis</i>	(Drury 1773)	American painted lady	26
Papilionidae	<i>Battus philenor</i>		pipevine swallowtail	1
Papilionidae	<i>Battus philenor</i>		pipevine swallowtail	13

Family	ScientificName	Authority	CommonName	Site
Papilionidae	<i>Battus philenor</i>		pipevine swallowtail	16
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	1
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	3
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	5
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	7
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	10
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	13
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	14
Papilionidae	<i>Papilio glaucus</i>		tiger swallowtail	17
Papilionidae	<i>Papilio polyxenes</i>	(Fabricius 1775)	black swallowtail	10
Papilionidae	<i>Papilio polyxenes</i>	(Fabricius 1775)	black swallowtail	17
Papilionidae	<i>Papilio troilus</i>	(Linnaeus 1758)	spicebush swallowtail	1
Papilionidae	<i>Papilio troilus</i>	(Linnaeus 1758)	spicebush swallowtail	10
Papilionidae	<i>Papilio troilus</i>	(Linnaeus 1758)	spicebush swallowtail	21
Pieridae	<i>Colias eurytheme</i>	(Boisduval 1852)	alfalfa butterfly	1
Pieridae	<i>Colias eurytheme</i>	(Boisduval 1852)	alfalfa butterfly	18
Pieridae	<i>Colias eurytheme</i>	(Boisduval 1852)	alfalfa butterfly	20
Pieridae	<i>Colias eurytheme</i>	(Boisduval 1852)	alfalfa butterfly	26
Pieridae	<i>Colias philodice</i>	(Godart 1819)	clouded sulphur	5
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	3
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	6
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	15
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	16
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	18
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	19
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	22
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	23
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	26
Pieridae	<i>Pieris rapae</i>	(Linnaeus 1758)	cabbage white	27

As the nation's primary conservation agency, the Department of the Interior has responsibility for most of our nationally owned public land and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

National Park Service
U.S. Department of the Interior



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