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The Effects of Urban Land Use on Wasps: (Hymenoptera: Apocrita)

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THE EFFECTS OF URBAN LAND USE ON WASPS
(HYMENOPTERA: APOCRITA)

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Bachelor of Science in Biology

Cleveland State University

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Submitted in partial fulfillment of requirements for the degree

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at the

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“This is what you shall do; Love the earth and sun and the animals, despise riches, give alms to every one that asks, stand up for the stupid and crazy, devote your income and labor to others, hate tyrants, argue not concerning God, have patience and indulgence toward the people, take off your hat to nothing known or unknown or to any man or number of men, go freely with powerful uneducated persons and with the young and with the mothers of families, read these leaves in the open air every season of every year of your life, re-examine all you have been told at school or church or in any book, dismiss whatever insults your own soul, and your very flesh shall be a great poem and have the richest fluency not only in its words but in the silent lines of its lips and face and between the lashes of your eyes and in every motion and joint of your body.”

-Walt Whitman

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THE EFFECTS OF URBAN LAND USE ON WASPS

(HYMENOPTERA: APOCRITA)

KLAIRE ELISE FREEMAN

ABSTRACT

For the first time in human history, more than half of the human population lives in urban areas (Pickett et al 2011). It is essential that research occurs in urban ecosystems; understanding both the biological and social aspects of urban ecosystems is needed for the sustainable management of urban ecosystems (Angold et al. 2006, Fetridge et al. 2008, Loram et al. 2008, Matteson et al. 2008, McIntyre 2000, Pickett et al 2011, Pickett et al 2001, Sumoski et al. 2009)

This study examines the role of insects, specifically wasps, in urban gardens and vacant lots in Cleveland, Ohio. This study is intended to (1) provide a broader survey of Hymenoptera in an urban context; (2) provide new information on diversity and distribution of parasitoid Hymenoptera; (3) assess the potential for parasitoids as providers of bio-control services for urban agriculture in Cleveland, OH; (4) determine the extent to which lot or garden area affects the number of wasp species occurring in those habitats; and (5) provide useful information for the conservation and urban landscape management strategies that optimize the ecosystem services provided by urban Hymenoptera.

I collected 13,339 insects and arachnids via beat net, belonging to 14 different arthropod orders. Nearly twice as many individuals were found at vacant lots versus gardens. The differences in insect community structure at vacant lots and gardens, based on the beat net collections, were highly significant. I collected a total of 5,165 wasps,

distributed among 24 families and 369 morphospecies. I found higher wasp abundance at vacant lots (2,703 individuals) versus gardens (2,462 individuals), higher species richness at vacant lots (288 morphospecies) versus gardens (231 morphospecies), and more families at vacant lots (23) versus gardens (21). The average number of morphospecies was higher at lots (93.71) than gardens (63.44), with an overall average of 76.69. Although comparable data from other cities are few, my results indicate that wasp diversity in Cleveland is at least comparable to other urban locations, but may be relatively high (especially within vacant lots).

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CHAPTER I

INTRODUCTION

The amount of vacant land available in and around Cleveland, Ohio has increased substantially during the last several decades. Population decline and economic stagnation have led to the abandonment and eventual demolition of residences throughout the city. This has changed the landscape and presented a challenge to the city regarding putting this new space to productive use. Similar challenges face many post-industrial cities in North America (Lyman 2008). One approach that is advocated widely for the reuse of vacant urban land is the creation of green spaces and the restoration of natural amenities within the urban ecosystem (Haase 2008, Lyman 2008). One such amenity is urban agriculture, which has been championed as source of multiple economic, health, and environmental benefits (Goldstein 2009, Colasanti et al. 2012). Urban farms and gardens are already a prominent feature of Cleveland's landscape. My research seeks to evaluate the availability of essential ecosystem services in support of urban agriculture, specifically biocontrol services provided by beneficial insects. In this thesis, I examine the role of insects, especially predatory and parasitoid wasps, for biocontrol in urban

gardens and vacant lots in Cleveland, Ohio. My research included (1) a detailed survey of Hymenoptera in Cleveland; (2) assessment of diversity and distribution of parasitoid Hymenoptera; (3) evaluation of the potential for parasitoids as providers of biocontrol services; (4) analyses of the effect of lot and garden area on the number of wasp species occurring in those habitats. Finally, I provide recommendations for conservation and landscape management strategies to enhance the ecosystem services provided by urban Hymenoptera.

Vacant and abandoned land in Cleveland is poorly maintained, and often consists of turf grass mix on poor, compacted soils. In contrast, urban gardens are typically vibrant, and carefully maintained, places with a rich diversity of crop species. Hence, I hypothesized initially that the diversity of crop species would be associated with greater insect abundance and diversity in urban gardens than within vacant lots. I expected that gardens would attract a more diverse assemblage of beneficial insect species, but also greater abundance of pest species than vacant lots. As a result of this presumed pest abundance, I expected to find a greater abundance and diversity of wasps, especially among parasitoid wasps, at the gardens versus the vacant lots.

Urban Ecosystems

Urban Green-Space

The population of Cleveland, Ohio has been declining since a peak in 1950 at 914,808 (ReImagining 2008). As of 2010, the population had dropped by more than half to 393,815 (U.S. Census Bureau 2010). Economic decline has been a major contributor to population decline and the subsequent property vacancy in Cleveland and other post-industrial cities (Krohe 2011). Currently, Cleveland has about 20,000 vacant lots, which amounts to more than 3,300 acres of land (ReImagining 2008). Approximately 1,000 houses (100 acres) are demolished each year (ReImagining 2008).

Reimagining Cleveland is an initiative established in 2008 that seeks convert Cleveland's vacant land to productive uses (Weber 2011). The focus is on sustainable "green" uses, such as converting vacant land to agricultural gardens, parks, native planting areas, rain gardens, and other strategies that enhance ecosystem functions within the city (Weber 2011). Reimagining Cleveland hopes this encourages investment and redevelopment in the city through the concept of "smart decline," which focuses on re-naturalizing the city's landscape as populations are lost and land is made available (Weber 2011).

How cities utilize what green space they have is becoming an increasingly important question. For the first time in human history, more than half of the human population lives in urban areas (Pickett et al 2011). This is a 30% increase from only 50 years ago, and is expected to continue increasing, with 60% of the world's population living in urban areas by 2030 (Pickett et al 2011). In developed countries, this shift has already occurred, for example, 80% of the population is living in urban areas in the

United States (Pickett et al 2011). Rapid growth of urbanization is a major aspect of environmental change on a global scale (Vitousek 1994,Pickett et al 2011).

Previous Research

Understanding both the biological and social aspects of urban ecosystems is needed for the sustainable management of urban ecosystems (Angold et al. 2006, Fetridge et al. 2008, Loram et al. 2008, Matteson et al. 2008, McIntyre 2000, Pickett et al 2011, Pickett et al 2001, Sumoski et al. 2009). One important finding of research in urban ecology has shown that, despite the stark contrast with rural and natural landscapes, ecological function still persists in urban ecosystems (Pickett et al 2011). This is important because these functions can be exploited, and with careful management could provide not only improvements on an economic scale, but also a social scale in terms of health, education, and, more intrinsically, cultural and spiritual wellness (Pickett et al 2001).

Much urban ecological research has focused on the consequences of urban sprawl and subsequent habitat destruction on biodiversity and ecosystem function. However there is still much to learn (Pickett et al. 2001). Urban green space is essential for the welfare of both human and wildlife populations (Pickett et al. 2001). These areas, however fragmented, are important in stabilizing the landscape, increasing urban biodiversity and play a role in species distribution, diversity and dispersal (Angold et al. 2006). Hence, what the city of Cleveland, Ohio does with the its vacant landis likeyvery important to the health of the overall system.

Urban Agriculture

Urban agriculture is a rapidly growing phenomenon (Colasanti et al. 2012). As the majority of the human population now occurs in urban areas (Pickett et al 2011), the need for fresh food in those areas is increasing. In the United States at least 4.1% of the population live in food deserts, low income areas more than one mile away from a supermarket (USDA 2009). People in food deserts are often without a reliable source of transportation and must rely upon fast food restaurants, gas stations and bodegas for sustenance (USDA 2009). Urban agriculture is especially valuable in these areas, where in addition to providing food, community-based agriculture serves to strengthen the neighborhood through increased sense of community and ownership and increased focus on improving the local urban environment (USDA 2009).

Urban green-spaces can do more than feed the city. They vary in size, structure, and age and include park systems, semi-natural habitats, secondary succession areas, open areas, community gardens, and vacant lots (Angold et al. 2006). These areas, however fragmented, are important in stabilizing the landscape, increasing urban biodiversity and play a role in species distribution, diversity and dispersal (Angold et al. 2006). The high colonization potential and tolerance for fragmentation may give insects an advantage in urban ecosystems (Sattler et al 2010). Small habitat fragments, such as the vacant lots, or small areas of green-space may provide more ecological niches than larger, unfragmented landscapes (Tschardt et al 2002).

In natural ecosystems, species richness is typically related to the geographic area of the habitat (MacArthur and Wilson 1967), such that the number of species increases with the increasing area of the habitat sampled or with increasing area of habitat islands, e.g.,

mountain tops, or actual island area. However, this relationship has not been well explored in urban ecosystems, and at least some studies have found that area may not be a determinant of species richness for some organisms in urban habitats (Christies and Hochuli 2009).

Ecosystem Services

Defining Ecosystem Services

Ecosystem services are “instrumental values of ecosystems” that are essential to or benefit “human well-being” (Costanza 2008). Ecosystem services include the many cycles, processes, and conditions of ecosystems that sustain life, especially human life (Fiedler et al. 2008). Ecosystem services include water filtration, climate regulation, reduction in air pollution, maintenance of biodiversity, control of pests, the pollination and manufacture of crops, as well as cultural, spiritual, and aesthetic values (Fiedler et al. 2008).

Beneficial insects provide important ecosystem services serving as a source of food for larger animals, functioning as pollinators, and acting as agents of biological control (Triplehorn and Johnson 2005). These ecosystem services provided by insects are an essential aspect of the overall ecosystem (Fiedler et al. 2008). As urban agriculture increases in cities, ecosystem services, such as pollination and biological control, which are essential for successful agriculture, will become increasingly valuable. Very little is known about how these ecosystem services work in cities.

Pollination

More than seventy five percent of angiosperms depend on other organisms for successful fertilization by way of pollination (NRC 2007). Pollination occurs when pollen grains from the stamens of a flower are transferred to the surface of the stigma of flowers on the same plant or on a different plant (NRC 2007). The organisms which provide this pollination service are critically important to the success of the plant. Pollination services are essential for the success of many crops worldwide. Bees are the main pollinators for crops worldwide (Winfree et al 2011, Triplehorn and Johnson 2005). Honeybees (*Apis mellifera*) are kept in hives that are moved to farms as the crops bloom (Winfree et al 2011, Triplehorn and Johnson 2005). This industry is very valuable.

Economic estimates of the monetary value of ecosystem services are imperfect, and often focus strongly on services that the public perceives as valuable while de-emphasizing services, such as decomposition, climate regulation, or carbon sequestration, that are critical, but poorly understood by the general public (Costanza 2008). Despite this drawback, estimates of economic value can provide perspective and can illustrate how useful some ecosystem services are to humans. In the United States, the estimates of the annual value of honeybee pollination range from \$150 million (the cost of renting honeybee hives) (NRC 2007) to \$13.6 billion (Mendelson 2010), \$14.6 billion (Triplehorn and Johnson 2005), or \$18.9 billion, a price that includes 10% of United States cattle and dairy production, as honey bees are essential in alfalfa seed production (Levin 1983; NRC 2007).

These figures do not account for wild native bees. The pollination services of wild native bees (17,000 species worldwide) are becoming increasingly valuable (Winfree et

al 2011). The monetary value of native pollinators is difficult to estimate, but a 2006 study indicates that native pollinators are responsible for about \$3.07 billion of fruit and vegetable crops produced in the United States annually (Losey 2006). Estimates of total global annual pollination monetary value range from \$390 to \$420 billion (Triplehorn and Johnson 2005); this is likely to be an underestimate. For example, the value of native pollinators is likely to increase appreciably as the availability of honey bee pollinators declines due to parasitic mite infestation (*Varroa destructor*) and Colony Collapse Disorder (CCD) (Winfree et al 2011). CCD is the sudden loss of the adult population from honeybee colonies (Cox-Foster et al 2007). CCD is likely due to a number of interacting stressors which include pathogens, parasites, pesticide exposure, and the loss of nesting habitat and food resources (Oldroyd 2007; Mullin et al. 2010; Quarles 2008; Thompson 2001).

Biological Control

Biological control, or bio-control, refers to the control pest populations by populations of natural enemies of known pests (Begon et al 2006). Bio-control is achieved by introduction, conservation, inoculation, or inundation of natural enemies to an area (Begon et al 2006). Naturally occurring organisms and environmental factors limit all insect species in a process known as natural control (Hoffmann and Frodsham 1993). Pest species are simply those found to be undesirable by humans; examples include those that carry disease, hinder food supply, invade native populations, or destroy agricultural crops (Begon et al 2006).

Biological control is becoming increasingly important because of the negative consequences of insecticide use; which include pest resistance, pest resurgence, and human and wildlife health concerns (Hoffmann and Frodsham 1993). Hence, biological control has become an essential element of integrated pest management strategies, which use combinations of pest-resistant plants, cultural control methods, and biological control, with chemical control methods as a last resort (Hoffmann and Frodsham 1993). A 2006 study estimated that the value of natural control due to beneficial insects for the United States is \$4.5 billion annually (Losey 2006).

Insect parasitoids are important agents of biological control. A parasitoid is an organism that spends a significant portion of its life history attached to or within a single host organism which it ultimately kills in the process (Triplehorn and Johnson 2005). Most beneficial parasitoid insects are wasps or flies, although some other insects also have a parasitoid life cycle (Hoffmann and Frodsham 1993). Most parasitoids attack only a certain life stage of host species, and typically find hosts among related species (Hoffmann and Frodsham 1993). Often parasitoids are affected by insecticides, with adults especially sensitive, while immature parasitoids may be protected from within their host (Hoffmann and Frodsham 1993).

Urban Hymenoptera

About Hymenoptera

Little is known about the diversity or ecological roles parasitoid wasps in cities, and our knowledge of urban pollinators is only just beginning to grow. Both groups are members of the order Hymenoptera. The order Hymenoptera includes sawflies, parasitic

wasps, ants, wasps, and bees (Triplehorn and Johnson 2005). There are about 115,000 described species of Hymenoptera worldwide, with estimates including undescribed species up to 1,000,000 (Lachaud and Pérez-Lachaud 2012). Hymenoptera are highly beneficial to humans in terms of pollination and biological control services (Triplehorn and Johnson 2005). Native species are especially important as providers of these services (Triplehorn and Johnson 2005). Hymenoptera may face greater challenges in urban environments as opposed to those residing in rural environments. In cities, Hymenoptera may have less wooded habitat, greater interaction with pollutants and pesticides, and more interaction with non-native competitors, predators, and diseases (Matteson 2010). Urban habitats are highly fragmented and generally lower in quality than rural habitats, with increased temperatures, lower water quality, changes to disturbance regimes, changes in species composition and richness, and changes in nutrient cycles and food web interactions (Loram et al. 2008; Angold et al. 2006; Sumoski et al. 2009; McIntyre 2000; Matteson et al. 2008; and Fetridge et al. 2008). However, some research suggests that Hymenoptera are compatible with urbanization, provided that the urban environment includes adequate green space (Fetridge et al. 2008; Matteson et al. 2008).

Previous Research

There are relatively few studies of the diversity of insect communities in cities compared to the literature on insects in rural, especially agricultural, landscapes and natural settings. The understanding of insect ecology in urban ecosystems has largely been based on studies of urban agriculture in terms of pollinator success and studies of

urban pest management. Some studies have found that urban ecosystems can have a relatively high species diversity. For example, Obrist and Duelli (2010) found that mean insect species richness at urban sites in Switzerland (284 morphospecies) was comparable in species richness to neighboring agricultural lands (317 morphospecies) and greater than the species richness in semi-natural woodlands (232 morphospecies).

Research on urban Hymenoptera diversity has largely focused on bees and ants. These studies largely report a reduction in diversity within urban as compared to rural sites (Kearns and Oliveras 2009; McIntyre and Hostetler 2001; Colla et al 2009; Matteson et al 2008; McFrederick and LeBuhn 2005). A study of bees on green roofs in Toronto, Ontario, Canada found species abundance to be lower at urban green roof sites as compared to rural ground sites of similar size (Colla et al 2009). A study of bees in urban gardens and parks in New York City, NY found that while urban gardens and parks can maintain diverse bee populations, richness is reduced compared to rural sites and more exotic species and cavity nesting species are found at urban sites (Matteson et al 2008). A study of bees in Boulder, CO reported that urban sites were less diverse than rural sites (Kearns and Oliveras 2009).

However, some studies suggest that cities can maintain high diversity of Hymenoptera, if the urban environment contains adequate green space (Fetridge et al. 2008; Matteson et al. 2008). Although there are still very few studies of the factors that influence diversity of urban Hymenoptera (Matteson 2010), several studies have shown that urban Hymenoptera diversity is related to habitat variation *within* cities. A study of the effect of urban land use on bees in Phoenix, AZ found that bee richness and abundance was lower in urban residential sites as compared to rural desert sites

(McIntyre and Hostetler 2001). However, this study noted that urban sites with xeric landscaping, i.e., more like native desert, were more diverse than those with mesic (turf grass) landscaping, suggesting that management of urban areas to conserve desert remnants and more xeric landscaping could be beneficial (McIntyre and Hostetler 2001). A study of bumble bees in San Francisco, CA showed that bumble bee abundance increased with resource availability in urban parks, and that the parks did not act as isolated islands of habitat, but rather that habitat quality of the areas surrounding parks was an important factor in bumble bee abundance and success (McFrederick and LeBuhn 2005). However, this study also found that bumble bees are in decline in San Francisco, as compared to historical collections, with surveys finding less than half the number of species found in museums (McFrederick and LeBuhn 2005). Ivanov and Keiper (2010) found that ant diversity in wooded urban parks in NE Ohio was greatest in forest-edge habitats.

About Parasitoid Wasps

Parasitoid wasps are a highly diverse group, with great variation in host choice (Fraser et al. 2007). An estimated ten percent of described insect species are parasitoids (Jervis 2001). However, parasitoids are a poorly understood group; it is likely that many species remain undescribed (Fraser et al 2007). Parasitoids are often highly specialized and co-evolved with their host (Fraser et al 2007). Hence, the diversity of parasitoid wasps may be especially sensitive to urban disturbances, since parasitoid reproduction depends upon availability of appropriate insect hosts. Parasitoid wasps reproduce by laying their eggs in or on other invertebrates, most of which are insect hosts (Triplehorn and Johnson

2005). The parasitoid larvae then feed on the host, eventually killing it (Triplehorn and Johnson 2005). For parasitoid wasps the resources available to the pupal and adult stage is determined by a combination of host size and quality, the time allowed for larval development and the intensity of larval competition (Jervis 2001). This mode of reproduction has made parasitoid wasps especially important as agents of biological control, a natural mode of pest control to urban and agricultural pests (Butler et al. 2009; Triplehorn and Johnson 2005). Some species are also important pollinators as well (Triplehorn and Johnson 2005). Because of their role in biological control and pollination, parasitoid wasps should be important features of urban green space, especially community gardens where agricultural pests will be more prevalent (Butler et al. 2009).

Very few studies have been published on urban parasitoid wasps. In Madison, WI parasitoid diversity decreased in urban areas by 10% as compared to rural areas (Bennett and Gratton 2011). The families Stephanidae, Torymidae, and Eucharitidae were not found at urban sites (Bennett and Gratton 2011). This study collected 44,303 parasitoids from 29 different families at 47 sites over a two year period, using sticky traps (Bennett and Gratton 2011). They reported an average number of parasitoid individuals ranging from 62.6 to 7.4, with abundance showing a positive correlation with flower abundance and amount of greenspace (Bennet and Gratton 2011).

A study of the effect of habitat fragmentation on arthropod assemblages in Sydney, Australia, found that habitat size did not influence species richness (Gibb and Hochuli 2002). For this study, sites with an area less than or equal to 4 km² were considered small, while those greater than or equal to 80 km² were considered large. Gibb and

Hochuli (2002) found that the smaller, more disturbed sites supported a completely different wasp assemblage than the large, less disturbed fragments, not a subset of species. Another study of urban wasp communities in Sydney, Australia found that wasp communities at small urban remnants were comparable to larger naturalized urban areas but estimates of species richness found lower species richness at small urban sites than larger natural areas (Christies and Hochuli 2009).

Project Aims

It is clear that more research on Hymenoptera in cities, especially of parasitoids, is needed. My project is part of a larger study investigating the availability of insect ecosystem services in Cleveland; what happens to insect ecosystem services when lots are converted to gardens; and what are some of the features of lots and gardens that may influence diversity. In the CHAPTERs to come I (1) provide a broader survey of Hymenoptera in an urban context; (2) provide new information on diversity and distribution of parasitoid Hymenoptera; (3) assess the potential for parasitoids as providers of bio-control services for urban agriculture in Cleveland, OH; (4) determine the extent to which lot or garden area affects the number of wasp species occurring in those habitats; and (5) provide useful information for the conservation and urban landscape management strategies that optimize the ecosystem services provided by urban Hymenoptera.

CHAPTER II

MATERIALS AND METHODS

Site Selection

In 2010, twenty sites consisting of vacant lots and urban gardens were selected. Lots were identified from data provided by the Cleveland and Cuyahoga County Land Banks, and the Cleveland Botanical Garden. Vacant lot sites were selected to be within 1 mile and to be of similar size to a paired urban garden/farm site. After initial visits, four sites were eliminated due to safety concerns, difficult accessibility, or significant alteration of condition (e.g., paving or use as a local parking lot). The remaining sixteen included a total of six agricultural garden sites run by the Cleveland Botanical Gardens, two community-based agricultural gardens, one urban farm, and seven vacant lots. Note that the Cleveland Botanical Gardens, community-based agricultural gardens, and the urban farm are all treated as “garden” sites in the analysis unless otherwise noted. Garden sites averaged 2.24 km², lots averaged 2.53 km², and overall sites averaged 2.37 km², with a range of 0.6 km² to 4.9 km².

Site Specific Data

Garden sites each were named by the organization running the site; lot sites were numbered arbitrarily at the beginning of the study, for ease of identification, several of the sites initially considered were eliminated (Table 1). Each site name was shortened into two to four digit code, this was useful in labeling during field collections, as well as in data management. The nearest or given house number and front facing street are given (Table 1). When available, the age of each garden was obtained. Note that age was not available for lot sites, Frontier Garden, or Clear Lake Farm. Site Type was assigned, G for gardens and L for lots, this was useful in data management. Area was determined via field measurements and confirmed using Google Earth.

Site Name	Code	House Number	Street	Age (Years) Summer 2010	Type	Area (m ²)	Coordinates	
							Latitude	Longitude
Blue Pike Farm	BPF	880	E 72 St	4	G	4900	41.530530	-81.639398
Clear Lake Farm	CLF	1227	Ansel Rd	Unknown	G	N/A	N/A	
Frontier Garden	FG	3171	W 61 St	Unknown	G	600	41.467541	-81.727432
Buckeye	GCB	11309	Woodland Ave	0	G	1700	41.487061	-81.621266
Esperanza	GCE	2292	W 25 St	10	G	600	41.472306	-81.699892
Fairfax	GCFX	2345	E 79 St	1	G	2000	41.491623	-81.656075
Lonnie Burton	GCLB	2410	E46 St	3	G	1100	41.502068	-81.672283
Midtown	GCM	1945	E 66 St	14	G	5900	41.505825	-81.643900
Slavic Village	GCSV	5406	Fleet Ave	2	G	1100	41.455591	-81.651724
Urban Lot 6	UL06	10413	Union Ave	N/A	L	1800	41.488706	-81.606631
Urban Lot 7	UL07	11710	Kinsman Rd	N/A	L	2300	41.467611	-81.601416
Urban Lot 8	UL08	2633	E 89 St	N/A	L	3200	41.494850	-81.633189
Urban Lot 9	UL09	2643	E 93 St	N/A	L	1500	41.487100	-81.624105
Urban Lot 10	UL10	1073	E 71 St	N/A	L	5100	41.525144	-81.639321
Urban Lot 11	UL11	1222	E 79 St	N/A	L	1500	41.522022	-81.633873
Urban Lot 13	UL13	1545	E 86 St	N/A	L	2300	41.514349	-81.627051

Table 1: Preliminary Site Data including name, code, address, age, basic type (garden (G) or lot (L)), area (square meters), and latitude/longitude coordinates.

Sweep Net Collection

Sweep net sampling was used as a method for general, non-taxon specific, collection of insects. The purpose here was to obtain a general view of insect community structure within the sites. Vegetation along two fifty meter transects, intersecting at the approximate center of each site, was sampled with sweep nets. Each transect was swept with an insect collection net for two minutes. Arthropods were placed in a kill jar with ethyl acetate. In the laboratory, insects were sorted to taxonomic order and counted. Statistical analysis to test for differences in ordinal abundance at gardens versus lots was completed using Chi-square statistics. The 10 most abundant orders were used, as the remainder had too few specimens to be useful for the test.

Yellow Pan Trap Collection

The standard method for collecting Hymenoptera (and several other flying insects) is the yellow pan trap. Twelve-ounce yellow pan traps were filled with a collecting medium made of water and dishwasher detergent. The detergent eliminates surface tension, trapping the insects (Matteson et al. 2008; Fetridge et al. 2008; Pucci 2008). Ten yellow pan traps were placed at each site. For each collection event yellow pan trap samples are identified to family, species or morphospecies, and counted. Some of the ten traps originally placed were disturbed, destroyed or missing. Therefore, abundances were expressed as trap effort, i.e., the count for each species (or morphospecies) divided by the number of traps collected after 48 hours.

Defining Morphospecies

Hymenopteran species were identified to family, and then divided into morphospecies groups consisting of organisms with unifying morphological characteristics. A main concern is consistency in morphospecies determination. For this project all criteria for distinguishing morphospecies were reviewed by a trained specialist (Thomas Pucci, Cleveland Museum of Natural History).

Statistical Analyses

Rarefaction

Morphospecies richness from pan trap data was analyzed using EstimateS freeware (Colwell 2005) to obtain species-accumulation curves and similarity indices to compare between garden sites and vacant lot sites. Species richness was compared using both individual-based rarefaction and sample-based rarefaction. A species accumulation curve expresses observed species in terms of sampling effort, essentially plotting number of species against a number of distinct collection events (Mao et al. 2005; Colwell et al. 2004). *Individual-based rarefaction* “produce(s) a smooth curve that estimates the number of species that would be observed for any smaller number of individuals, under the assumption of random mixing of individuals” (Colwell et al. 2004), and is a standard method for comparing species richness (Gotelli and Colwell 2001). A second method, *sample-based rarefaction*, will smooth the curve by random resampling—generating an expected number of observed species from a smaller number of samples. Sample-based rarefaction focuses on richness in terms of species density. I used both methods here.

In addition, I used the curve estimation functions of SPSS to assess the expected species richness for the lots and garden sites at the asymptote of the sample-based rarefaction curves. I obtained the EstimateS output providing the number of species observed (SOBS) for each sample, and used SPSS curve estimation to find the non-linear regression model relating SOBS to sample number that explained the greatest amount of variation (R^2). I then used those equations to extrapolate to find the predicted maximum species richness and the number of samples at which the maximum was obtained by using an EXCEL spreadsheet to find the asymptotes of the non-linear functions (and the lowest number of samples at which that asymptote was obtained). Hence, the regression models were used to calculate the predicted number of “observed” species (SOBS) for many more samples than were actually collected. In addition to the rarefaction statistics, nonparametric Chao1 and Chao2 estimates of species richness were also generated (Colwell 2005). Chao1 gives an estimate of species richness based on abundance data, while Chao2 converts abundance data to incidence data to give an estimate of species richness (Chao 1984; Chao 1987).

Analysis of Community Similarities

To assess differences in community composition between lots and gardens I used Analysis of Similarity (ANOSIM), a non-parametric analog of ANOVA commonly used for comparing taxonomic composition among experimental units. Density data for wasp species was analyzed with ANOSIM using PAST freeware (Hammer 2001). Indices of community similarity were also calculated using the PAST software. All tests were completed using Hamming distance measures.

CHAPTER III
NATURAL HISTORY OF THE WASPS (HYMENOPTERA: APOCRITA)
OF CLEVELAND

During the survey, 5,165 individual wasps were collected, belonging to 369 species of morphospecies and 24 families. In this CHAPTER, I provide brief descriptions of the distribution, distinctive morphological features, and natural history of the each of the parasitoid families identified in this survey and I include a summary of host habits and behavior for each family in Table 2. This summary includes both parasitoid and predaceous wasp species.

Aphelinidae:

This family has approximately 1,100 species worldwide, with more than 200 species described in North America (Gibson 1999). 55 individuals were found and 8 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristics of this family are: approximately 1 mm in length, eight or fewer antennal segments, five-segmented tarsi, with the metasoma broadly attached to the propodeum, elongate marginal vein and reduced postmarginal and stigma veins

(Triplehorn and Johnson 2005). The hosts of this family include a broad range of sessile hosts, including scale insects, aphids, whiteflies, and other Hemiptera eggs, as well as Orthoptera, Lepidoptera and as hyperparasites of Hymenoptera attacking Hemiptera (Triplehorn and Johnson 2005). These are not well represented in collections (Triplehorn and Johnson 2005).

Bethylidae:

This family has approximately 2,200 species described worldwide and about 200 described in North America (Evans 1978, Goulet and Huber1993). 16 individuals were found and 3 morphospecies identified from yellow pan trap collections for this study. The females of this family are usually wingless and antlike, in general Bethylids are small to medium sized, usually dark colored (Triplehorn and Johnson 2005). The hosts of this family Coleoptera and Lepidoptera larva, several species attack moths or beetles which infest grain or flour (Triplehorn and Johnson 2005).

Braconidae:

This family has approximately 17,600 species described worldwide (Lachaud and Pérez-Lachaud 2012) and more than 1,900 species in North America (Triplehorn and Johnson 2005). 459 individuals were found and 84 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is that they have only one m-cu crossvein and with fused second and third metasomatic tergites (Triplehorn and Johnson 2005).

This family has great variety in host choice, attacking all life stages, and includes ectoparasites, endoparasites, solitary and gregarious species, primary and secondary parasites, a small number of tropical species are phytophagous and gall-forming (Triplehorn and Johnson 2005). Many species are important agents of biological pest control (Triplehorn and Johnson 2005).

Ceraphronidae:

This family has approximately 360 described species worldwide, with 1000 estimated worldwide and 52 described species in North America (Goulet and Huber 1993). 654 individuals were found and 9 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is the presence of two spurs on the apex of the fore tibia, and highly reduced wing venation with a long marginal vein, a linear stigma, and a curved stigma vein (Triplehorn and Johnson 2005). Knowledge of hosts is lacking, some species been reared from of Diptera, Neuroptera, and Hemiptera, and some species are hyperparasitoids of Diptera and Hymenoptera (Triplehorn and Johnson 2005). This family is rarely collected due to the small size of individuals (Triplehorn and Johnson 2005).

Chalcididae:

This family has more than 1450 species worldwide (Lachaud and Pérez-Lachaud 2012, Gibson et al 1999). 2 individuals were found and 1 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is a greatly swollen and toothed hind femora, with a short ovipositor and wings

not longitudinally folded at rest, this family is usually black or yellow with markings, and never metallic (Triplehorn and Johnson 2005). The hosts of this family are Lepidoptera, Diptera, and Coleoptera, some are hyperparasitic on Hymenoptera ichneumonids or tachnids (Triplehorn and Johnson 2005).

Cynipidae (Oak Gall Wasps):

This family has 1,000 species known worldwide, with about 700 Nearctic species (Stone et al 2002). 2 individuals were found and 2 morphospecies identified from yellow pan trap collections for this study. The hosts of this family are oaks (*Quercus*) or roses (Rosaceae); in gall making species eggs are oviposited into meristematic tissue of the plant, and the feeding of the wasp larva causes a gall formation on the host plant, in gall inquiline species the females oviposit into galls produced by other species, the larva feed on the tissue of the gall, not the original larva, but the larva of the original species does not survive (Stone 2002, Triplehorn and Johnson 2005). The life cycles of gall makers are often very complex, in some species females develop from fertilized eggs and males from unfertilized eggs (arrhenotokous parthenogenesis), in others eggs fail to complete meiosis and develop into diploid females, while males are rare or absent (thelytokous parthenogenesis), some species alternate sexual and asexual generations, the asexual generation sometimes produce males from unfertilized eggs, or females from unfertilized eggs (the genetic mechanisms here are poorly understood) (Triplehorn and Johnson 2005). The asexual and sexual generations often display very different morphology, and have been described as separate species or genera (Triplehorn and Johnson 2005).

Diapriidae:

This family has approximately 4000 worldwide (Lachaud and Pérez-Lachaud 2012) and 300 in North America (Triplehorn and Johnson 2005). 582 individuals were found and 30 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is the shelf-like projection in the middle of the face where the antennae originate (Triplehorn and Johnson 2005). The hosts of this family are most often immature Diptera, but may also include Formicidae (Triplehorn and Johnson 2005).

Dryinidae:

This family has approximately about 1,100 species worldwide and 117 species in North America (Goulet and Huber 1993). 26 individuals were found and 7 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is a large head and broad, strongly toothed mandibles; females have fore tarsi developed into chelae used for capturing the adult or nymph Hemiptera hosts (Triplehorn and Johnson 2005).

Encyrtidae:

This family has approximately 3,700 species worldwide (Lachaud and Pérez-Lachaud 2012) and 345 in North America (Triplehorn and Johnson 2005). 853 individuals were found and 1 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is a broad, convex mesoplura, lacking a groove for the femora, with the fore and middle coxae closely approximated, and with

absent or incomplete notauli (Triplehorn and Johnson 2005). Encyrtids are important agents of biological control for sternorrhynchous Hemiptera (aphids, scale insects, mealybugs, and whiteflies); they also find hosts among Neuroptera, Diptera, Lepidoptera, Coleoptera, and Hymenoptera, attacking all life stages (Triplehorn and Johnson 2005).

Eucharitidae:

This family has more than 470 described species worldwide (Lachaud and Pérez-Lachaud 2012), and are most diverse in the tropics (Goulet and Huber 1993). 40 individuals were found and 1 morphospecies identified from yellow pan trap collections for this study. Eucharitids are usually black, metallic blue, or green, with a somewhat humpbacked mesosoma, often spined scutellum, and petiolate metasoma (Triplehorn and Johnson 2005).

This family is a parasite of ant larva (Triplehorn and Johnson 2005). Eggs hatch into tiny, flat larva called planidia, which attach to passing ants and are carried into the ant nest; the planidia attach to the ant larvae there, and begin feeding after the ant larvae have pupated (Triplehorn and Johnson 2005).

Eulophidae:

This family has approximately 4,470 species worldwide (Lachaud and Pérez-Lachaud 2012) and more than 500 described species in North America (Triplehorn and Johnson 2005). 141 individuals were found and 24 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is their four-

segmented tarsi, and the axillae which extend forward beyond the tegulae (Triplehorn and Johnson 2005).

Eulophids are parasites of a wide variety of hosts, including many major crop pests (Triplehorn and Johnson 2005). Their biology varies greatly among species, with most parasitizing the egg or larva of the host (Triplehorn and Johnson 2005).

Eupelmidae:

This family has approximately 890 species worldwide (Gibson 1999) and 88 in North America (Triplehorn and Johnson 2005). 7 individuals were found and 4 morphospecies identified from yellow pan trap collections for this study. This family is physically similar to the Encyrtidae, however they can be distinguished by their flattened mesonotum and the presence of notauli (Triplehorn and Johnson 2005). Eupelmids find hosts among many insect orders, with some species attacking several different orders (Triplehorn and Johnson 2005).

Figitidae:

This family has approximately 250 described species worldwide and 58 species in North America (Goulet and Huber 1993). 245 individuals were found and 14 morphospecies identified from yellow pan trap collections for this study. This family attacks a variety of hosts including Chrysophidae, Diptera, Hemiptera, and Hymenoptera (Triplehorn and Johnson 2005). Figitids are typically divided into three subfamilies (Anacharitinae, Aspiceratinae, and Figitinae); the relationships between these subfamilies are vague (Goulet and Huber 1993).

Ichneumonidae:

This family has approximately 23,330 described species worldwide, with estimates of total species at about 60,000 (Lachaud and Pérez-Lachaud 2012) and 3,300 species described in North America (Triplehorn and Johnson 2005). 159 individuals were found and 36 morphospecies identified from yellow pan trap collections for this study.

Ichneumonids are physically diverse, with considerable variation in size, form, and color (Triplehorn and Johnson 2005). In many the ovipositor is longer than the body, the antennae are made up of 16 or more segments, they possess two m-cu crossveins in the wing, and the second submarginal cell (the areolet) is quite small (Triplehorn and Johnson 2005). While the majority of Ichneumonids can be described as parasitoids, some species are better described as predators, feeding on multiple hosts as they complete development (Triplehorn and Johnson 2005). Ichneumonid hosts include Lepidoptera, Hymenoptera, Diptera, Coleoptera, Neuroptera, Mecoptera, spiders and spider egg sacs (Triplehorn and Johnson 2005).

Megaspilidae:

This family has approximately 450 described and 1,000 estimated species worldwide and 52 species in North America (Goulet and Huber 1993). 3 individuals were found and 3 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is the “large semicircular or ellipsoidal stigma in the fore wing from which rises the curved stigma vein”, two fore tibial spurs, and the triangular shape of the lateral pronotum (Triplehorn and Johnson 2005). The biology of Megaspilids is poorly understood, however, they are known hyperparasites of

Hymenoptera which parasitized Hemiptera Sternorrhynca, hyperparasites of Braconid parasites of aphids, and are parasites of Neuroptera larva and Diptera larva and puparia (Triplehorn and Johnson 2005).

Mymaridae (Fairyflies):

This family has approximately 1,400 species worldwide (Gibson et al 1999). 399 individuals were found and 18 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is the unique sulci on the head (one set parallel to the inner edge of the compound eyes, and one running between the eyes above the antennal insertions), and, in most species, fore wings with a narrow base and hind wings which are stalked and parallel-sided (Triplehorn and Johnson 2005).

The hosts of this family are insect eggs, including Odonata, Orthoptera, Psocoptera, Thysanoptera, Hemiptera, Coleoptera, Lepidoptera, and Diptera (Triplehorn and Johnson 2005). Because the Mymarids are usually smaller than 1 mm they are poorly known (Triplehorn and Johnson 2005).

Platygastridae:

This family has approximately 1,100 species described and several thousand estimated worldwide and 255 species described in North America (Goulet and Huber 1993). 1057 individuals were found and 35 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristics of this family are their veinless

wings and their 10-segmented antennae, which are attached very low on the face (Triplehorn and Johnson 2005).

The hosts of this family are the larvae of Cecidomiidae and of Sternorrhynous Hemiptera (Triplehorn and Johnson 2005). Many Platygastriid species exhibit polyembryony and can have up to 18 young develop from one egg (Triplehorn and Johnson 2005).

Pompilidae (Spider Wasps):

This family has approximately 4,200 worldwide (Goulet and Huber 1993) and 290 species in North America (Triplehorn and Johnson 2005). 165 individuals were found and 23 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is a transverse sulcus across the mesopleuron (Triplehorn and Johnson 2005). For most species, larvae develop on spiders, which must be captured and paralyzed, then placed in a burrow underground (Triplehorn and Johnson 2005).

Proctotrupidae:

This family has 310 described species and 1,200 estimated worldwide and 75 species in North America (Goulet and Huber 1993). 8 individuals were found and 3 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristics of the Nearctic species are the large stigma on the front wing and the very narrow marginal cell just beyond it (Triplehorn and Johnson 2005). The hosts of this family are larvae of Coleoptera and Diptera (Triplehorn and Johnson 2005).

Pteromalidae:

This family has approximately 3,360 species worldwide (Gibson et al 1999) and 340 described species in North America (Triplehorn and Johnson 2005). 85 individuals were found and 30 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristics of this family are the five segmented tarsi, five or more segmented antennal funicle, and an anteriorly constricted pronotum (bell shaped in dorsal view) (Triplehorn and Johnson 2005).

Because Pteromalid species are both morphologically and biologically diverse, identification is difficult, use of dichotomous keys and elimination of other chalcidoid taxa is the best approach for identification (Triplehorn and Johnson 2005). Most Pteromalids are parasitic, with a diverse selection of hosts; many are valuable agents of biological control (Triplehorn and Johnson 2005). Known hosts include species of Lepidoptera, Hymenoptera, Hemiptera, Diptera, Coleoptera, spiders, and spider egg sacs; some species for galls (Triplehorn and Johnson 2005).

Sphecidae (Thread-Waisted Wasps):

This family has approximately 660 species described worldwide and 102 species in North America (Goulet and Huber 1993). 161 individuals were found and 15 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is the pronotum structure, the posterior margin is straight in dorsal view, a collar is formed from a constriction between the pronotum and the mesoscutum, and laterally the pronotum ends with a rounded lobe that does not reach the tegula (Triplehorn and Johnson 2005). Prey is hunted, paralyzed, and placed within

the nest to feed the offspring; prey includes Orthoptera, Blattodea, Hemiptera, Coleoptera, Diptera, Lepidoptera, Hymenoptera, and spiders (Triplehorn and Johnson 2005).

Torymidae:

This family has approximately 930 species worldwide (Gibson et al 1999). 4 individuals were found and 3 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristics of this family are a long ovipositor, very large hind coxae, and distinct notauli on the mesoscutum (Triplehorn and Johnson 2005). The hosts of this family include gall insects, caterpillars, mantid eggs, and plant seeds (Triplehorn and Johnson 2005).

Trichogrammatidae:

This family has approximately 785 species worldwide (Gibson et al 1999). 11 individuals were found and 5 morphospecies identified from yellow pan trap collections for this study. The defining physical characteristic of this family is their three segmented tarsi (Triplehorn and Johnson 2005). These tiny wasps are insect egg parasites (Triplehorn and Johnson 2005). Due to their size, Trichogrammatidae are poorly studied and rarely collected (Triplehorn and Johnson 2005).

Vespidae (Paper Wasps, Yellow Jackets, Hornets, Mason Wasps, Potter Wasps):

This family has about 4000 species worldwide and 315 species in North America (Goulet and Huber 1993). 54 individuals were found and 10 morphospecies identified

from yellow pan trap collections for this study. Most Vespid wasps are black with yellow or white markings, or brownish (Triplehorn and Johnson 2005). Larvae are fed a variety of insects and other animals (Triplehorn and Johnson 2005).

Family	Parasitic	Predatory	Hyperparasitic	Phytophagous	Gall-forming	Solitary	Eusocial
Aphelinidae	x		x			x	
Bethylidae	x					x	
Braconidae	x		x	x	x	x	
Ceraphronidae	x		x				
Chalcididae	x		x				
Cynipidae				x	x		
Diapriidae	x						
Dryinidae	x						
Encyrtidae	x						
Eucharitidae	x						
Eulophidae	x						
Eupelmidae	x						
Figitidae	x		x				
Ichneumonidae	x	x	x			x	
Megaspilidae	x		x				
Mymaridae	x						
Platygastridae	x						
Pompilidae		x				x	
Proctotrupidae	x					x	
Pteromalidae	x		x				
Sphecidae	x	x				x	x
Torymidae	x			x			
Trichogrammatidae	x					x	x
Vespidae		x				x	x

Table 2: Wasp families occurring in vacant lots and urban gardens of Cleveland, OH. Also shown are family-specific trophic and sociality characteristics.

CHAPTER IV

RESULTS

Sweep Net Collection

A total of 13,339 individual insects and arachnids were collected via sweep net.

Abundance from sweep net sampling was approximately two times greater on lots versus gardens; 8,726 individuals were found at lot sites, 4,613 individuals were found at garden sites (Table 3). Community composition at the ordinal level differs substantially between lots and gardens (chi-square = 306.828, 9 degrees of freedom, $P < 0.00001$).

Hymenoptera were more abundant on lots (1,281 individuals) than gardens (523 individuals) (Table 3). Among the Hymenoptera, gardens show an average of 20.02 individuals, while lots show an average of 58.23 individuals (Table 3).

Yellow Pan Trap Collection

Overall, 5,188 individuals were collected, identified to 24 families and 369 species or morphospecies (Table 4). Of the 24 families, 23 occurred in the vacant lots; the Chalcididae was the only family that did not occur in lots, but was found in gardens. The Encyrtidae were the most abundant family in lots, accounting for 571 individuals or 21%

of the wasps collected in the vacant lots. Twenty-one of the 24 families occurred in gardens. The families Chalcididae, Eupelmidae, and Torymidae were absent from the gardens, but were found in vacant lots; all three are parasitoid taxa. The most abundant family found at gardens was Platygasteridae, which accounted for 685 individuals or 27.8% of wasps collected in the gardens. The Braconidae were the most speciose family in both lots and gardens, accounting for 60 and 53 species, respectively (Table 4).

The distribution of wasp families and morphospecies among vacant lots and gardens is shown in Table 5. More families of wasps were recorded in vacant lots than urban gardens (Mann-Whitney U-test, $P = 0.038$); vacant lots also had more wasp morphospecies than gardens (Mann-Whitney U-test, $P = 0.023$). The greatest number of wasp families was found at the Lonnie Burton Garden site (20 families); although several vacant lots sites, e.g., UL6, UL7, UL8, and UL9, had nearly as many families (Table 5). Urban Lot 6 had the highest morphospecies richness, 120 morphospecies, a value 33% greater than the highest morphospecies richness for a garden site, 91 morphospecies at Blue Pike Farm (Table 5). Similarly, ANOSIM indicated that community composition differed significantly between lots and gardens at both the family ($P = 0.028$) and morphospecies ($P = 0.003$) levels of taxonomic resolution.

Order	Gardens			Lots		
	# Individuals	Mean	Standard Deviation	# Individuals	Mean	Standard Deviation
Acari	25	1	2.89	56	2.55	3.54
Aranae	47	1.88	3.24	180	8.18	5.76
Coleoptera	226	9.04	12.91	490	22.27	28.88
Collembolla	5	0.2	0.41	34	1.55	3.86
Dermaptera	0	0	0	5	0.23	0.53
Diptera	1950	78	143.91	4169	189.5	247.96
Hymenoptera	523	20.92	35.42	1281	58.23	49.48
Lepidoptera	15	0.6	0.87	21	0.95	1.53
Neuroptera	1	0.04	0.2	0	0	0
Orthoptera	9	0.36	0.95	21	0.95	1.99
Thysanoptera	155	6.2	11.34	496	22.55	29.65
Hemiptera	1654	66.16	160.7	1968	89.45	100.9
Opiliones	3	0.12	0.44	2	0.09	0.29
Pscoptera	0	0	0	3	0.14	0.47
Total	4613	184.5	351.61	8726	396.7	364.71

Table 3: Sweep Net Results, showing the number of individuals, the mean, and the standard deviation for each order found at garden and lot sites.

Family	Garden			Lot			Combined Garden and Lot		
	# Morphospecies	# Individuals	# Individuals Per Trap	# Morphospecies	# Individuals	# Individuals Per Trap	# Morphospecies	# Individuals	# Individuals Per Trap
Aphelinidae	6.00	23.00	4.27	6.00	32.00	3.38	8.00	55.00	7.65
Bethylidae	3.00	14.00	1.40	1.00	2.00	0.23	3.00	16.00	1.63
Braconidae	53.00	208.00	24.50	60.00	251.00	36.37	84.00	459.00	60.87
Ceraphronidae	7.00	297.00	34.94	8.00	357.00	78.00	9.00	654.00	112.95
Chalcididae	0.00	0.00	0.00	1.00	2.00	0.25	1.00	2.00	0.25
Cynipidae	2.00	2.00	0.20	0.00	0.00	0.00	2.00	2.00	0.20
Diapriidae	23.00	346.00	37.94	24.00	236.00	45.71	30.00	582.00	83.65
Dryinidae	4.00	12.00	1.40	5.00	14.00	2.43	7.00	26.00	3.83
Encyrtidae	1.00	282.00	30.99	1.00	571.00	64.77	1.00	853.00	95.76
Eucharitidae	1.00	14.00	1.40	1.00	26.00	2.60	1.00	40.00	4.00
Eulophidae	13.00	39.00	4.00	20.00	102.00	13.67	24.00	141.00	17.68
Eupelmidae	0.00	0.00	0.00	4.00	7.00	1.64	4.00	7.00	1.64
Figitidae	10.00	115.00	12.87	11.00	130.00	25.37	14.00	245.00	38.24
Ichneumonidae	19.00	32.00	3.52	30.00	127.00	22.65	36.00	159.00	26.17
Megaspilidae	2.00	2.00	0.30	1.00	1.00	0.20	3.00	3.00	0.50
Mymaridae	14.00	233.00	28.25	15.00	166.00	25.12	18.00	399.00	53.37
Platygastridae	19.00	685.00	89.87	32.00	372.00	75.24	35.00	1057.00	165.11
Pompilidae	17.00	66.00	7.29	18.00	99.00	15.14	23.00	165.00	22.43
Proctotrupidae	2.00	2.00	0.20	1.00	6.00	1.10	3.00	8.00	1.30
Pteromalidae	15.00	27.00	2.83	24.00	58.00	6.19	30.00	85.00	9.02
Sphecidae	12.00	52.00	5.25	10.00	109.00	27.02	15.00	161.00	32.27
Torymidae	0.00	0.00	0.00	3.00	4.00	1.30	3.00	4.00	1.30
Trichogrammatidae	2.00	7.00	0.70	3.00	4.00	0.48	5.00	11.00	1.18
Vespidae	6.00	21.00	2.16	9.00	33.00	6.16	10.00	54.00	8.32
Total	231.00	2479.00	294.28	288.00	2709.00	455.01	369.00	5188.00	749.29

Table 4: Yellow Pan Trap Wasp Family Analysis, showing # morphospecies, # individuals, and the # individuals per trap for each family for gardens, lot, and overall.

Site	# Families	# Morphospecies
BPF	15	91
CLF	11	20
FG	14	58
GCB	13	54
GCE	16	64
GCFX	17	79
GCLB	20	77
GCM	15	78
GCSV	13	50
UL06	19	120
UL07	18	110
UL08	18	86
UL09	19	107
UL10	17	65
UL11	16	62
UL13	15	106
Combined Average	16	76.69
Lot Average	17.43	93.71
Garden Average	14.89	63.44
Total Combined	24	369
Total Garden	23	231
Total Lot	21	288

Table 5: Yellow Pan Trap Family and Morphospecies Richness per Site, with averages and totals for each site, all sites combined, lots, and gardens.

Rarefaction Analysis and Estimates of Total Species Richness

Both individual-based (Fig. 1) and sample-based rarefaction (Fig. 2) indicate that lots had greater species richness than gardens. The non-linear regression models that give the best fit to the sample-based rarefaction curves for lots and garden are as follows:

$$\text{Lots: } \ln\text{SOB} = 2.261 + 1.022 (\ln \text{SAMPLE NO.}) - 0.062 (\ln \text{SAMPLE NO.})^2;$$

$$\text{Gardens: } \ln\text{SOB} = 2.069 + 0.999 (\ln \text{SAMPLE NO.}) - 0.059 (\ln \text{SAMPLE NO.})^2.$$

The R-squared for both of these equations = 1.0.

This analysis predicts that for lots, a sampling effort of 3,798 samples would be required to find all of the 647 species that are predicted to occur on the lots (Fig. 3). For gardens, 4,750 samples would be necessary to observe all of the estimated 543 species. Using a similar analysis to determine the number of individuals sampled, rather than samples, a collection of 102,850 insects would be necessary to find all of the 543 garden species and a collection of 118,946 insects would be required to observe all of the 647 species that are expected to occur in lots.

Chao 1 provided estimated species richness at asymptote that were lower than those found by extrapolation of the rarefaction curves, as reported above. However, the Chao 1 estimators also predicted species richness in vacant lots (426 morphospecies) is greater than species richness in gardens (356 morphospecies) (Fig. 4). There is a clear difference between garden and lot sites; however, the curve is not asymptotic (Fig. 5).

Relationship between area and species richness

There was no correlation between site area and species richness ($r = 0.12$, $P = 0.684$, $N = 14$), if the correlation was based on all sites (without distinguishing garden and lot sites). However, when separate analyses were run for lot and garden sites, a weak relationship was evident for garden sites, such that the number of morphospecies increased with garden area (Fig. 6, $r = 0.66$, $P = 0.073$, $N = 8$). Lot area and morphospecies richness were not correlated ($r = -0.37$, $P = 0.416$). However, the species richness-area relationship for vacant lots was strongly influenced by a single site, Urban Lot #11 (1222 East 79th Street) (Fig. 6). When the vacant lot data were re-analyzed excluding this point, there is a strong correlation between lot area and the number of morphospecies ($r = -0.95$, $P = 0.004$, $N = 7$); however, the direction of the relationship is in the opposite expected for typical species richness-area relationships.

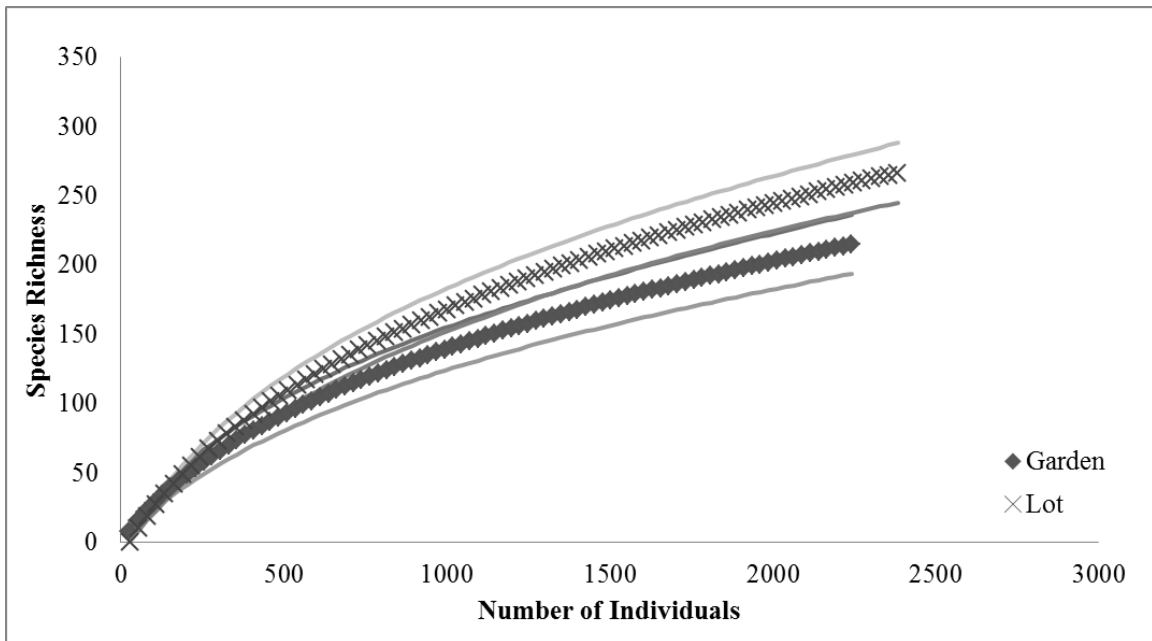


Figure 1: Individual-based rarefaction, comparing species richness at garden sites and lot sites. Here lot sites clearly show more species per individual versus the garden sites.

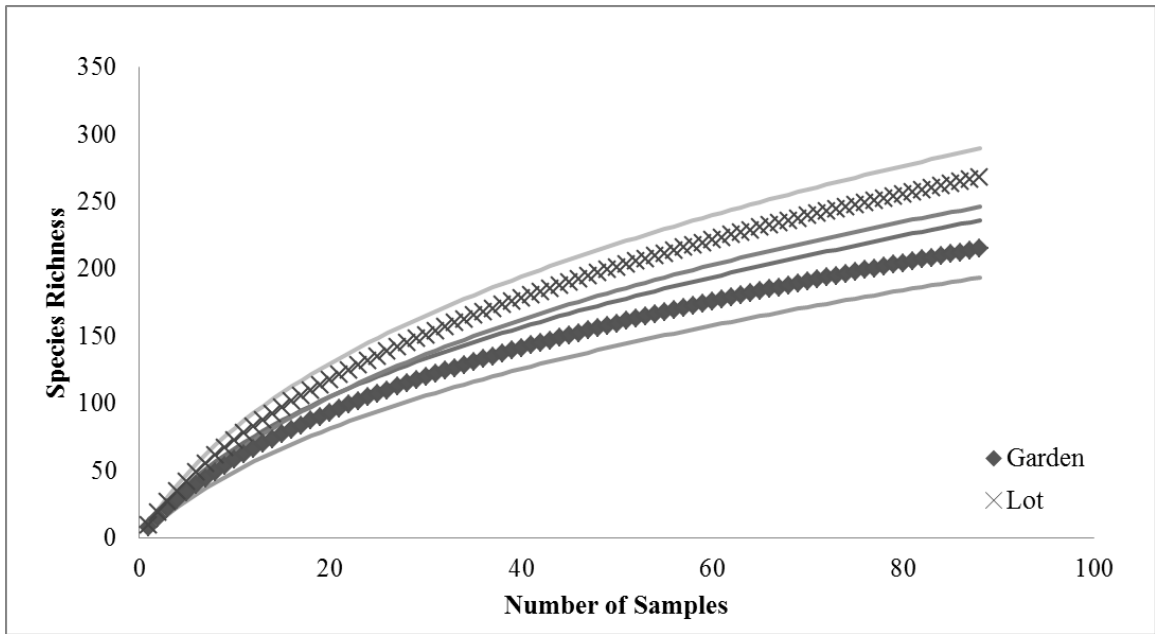


Figure 2: Sample-based rarefaction, comparing species density at garden sites and lot sites. Lots clearly have a higher species density than gardens.

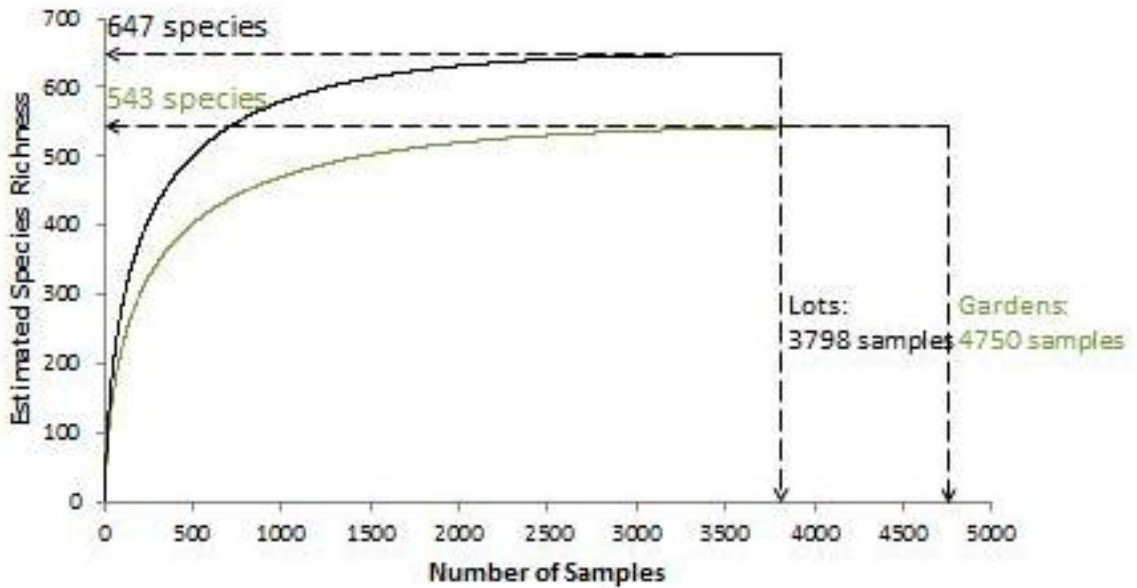


Figure 3: Extrapolation of rarefaction. Predicted observed species for gardens and lots as a function of sample number, and identified the estimated number of species and sampling effort needed obtain these estimates. For lots, the predicted number of species = 647, and you would need 3798 sampling events to find that number; for gardens, you need 4750 samples to observe all of the estimated 543 species.

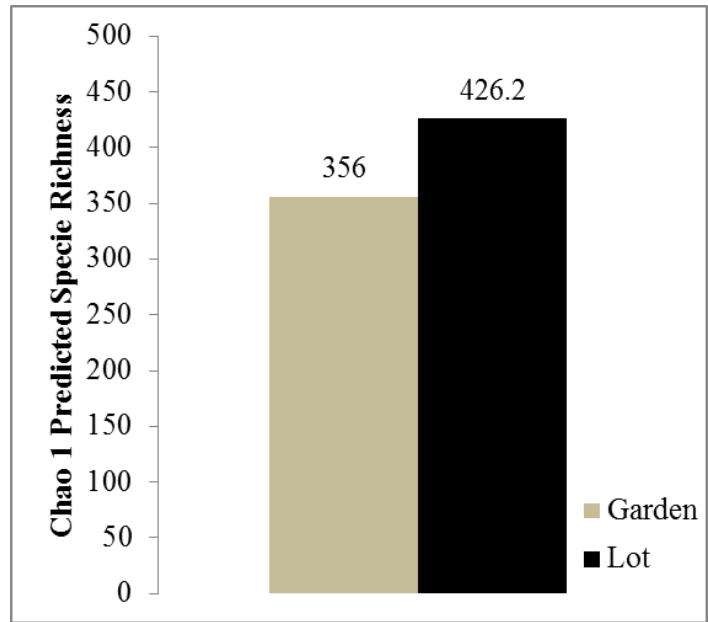


Figure 4: Predicted Species Richness By Chao1 Summary; nonparametric richness estimator using raw abundance data for morphospecies. Gardens are grey, lots are black.

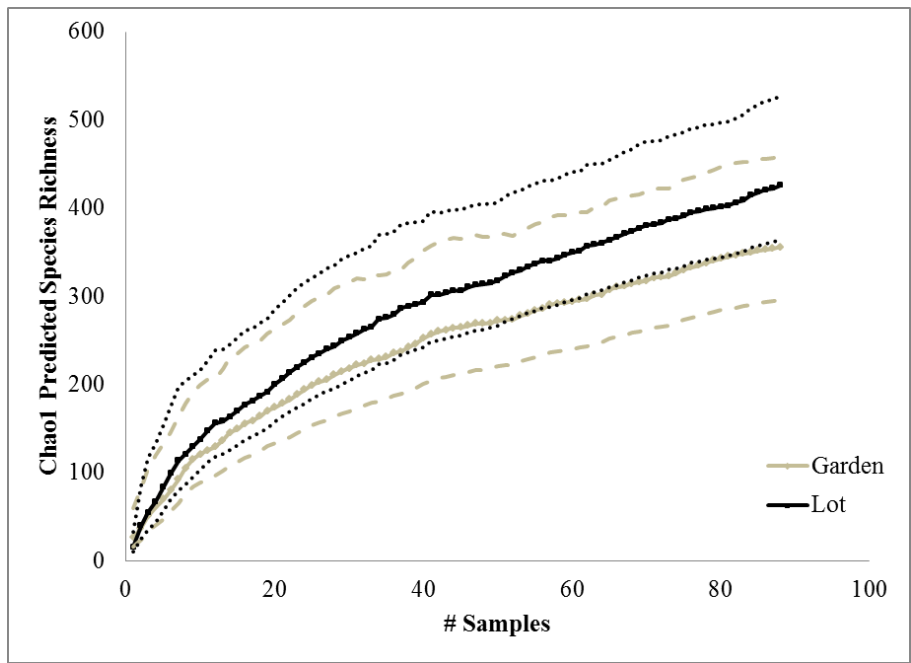


Figure 5: Predicted Species Richness By Chao1 Detailed; nonparametric richness estimator using raw abundance data for morphospecies. Dashed and dotted lines represent the upper and lower bounds of 95% confidence intervals for gardens and lots, respectively.

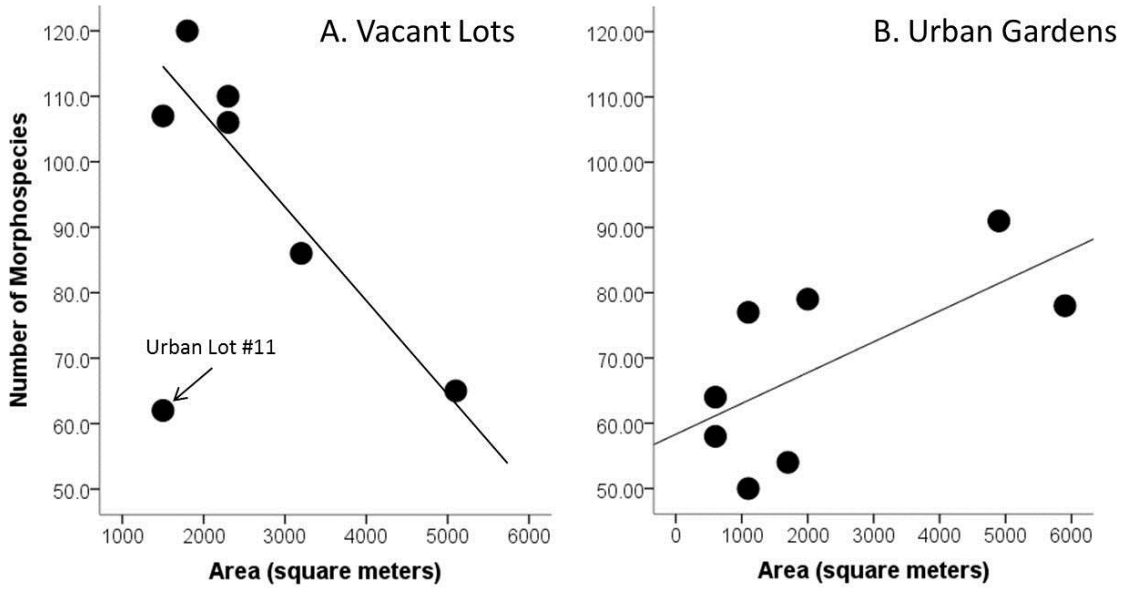


Figure 6: Morphospecies richness as a function of site area for (A) vacant lots and (B) urban gardens. Diagonal lines represent the linear regressions for the richness-area relationship. For vacant lots, the regression line is for data excluding a potential outlier, urban lot #11.

CHAPTER V

DISCUSSION

My results indicate a clear difference in arthropod abundance, species richness, and community composition between vacant lots and urban gardens in Cleveland, Ohio. These differences were found using two different survey methods, sweep-net and pan traps, that represent different levels of community and taxonomic resolution. Sweep-nets provided a generalized picture of overall arthropod community structure at an ordinal taxonomic level, and showed that arthropod abundance at lots was two times higher than in gardens, and community composition differed significantly between the two landscape conditions. Pan-traps were used to investigate differences in wasp communities between lots and gardens at family and species levels, with particular focus on parasitoid taxa. Several methods of analysis were used to come to essentially the same conclusion, wasp communities were more abundant, and had greater family and species-level richness in lots compared to gardens, and community composition, i.e., the distribution of abundance among taxa, differed between lots and gardens as well.

Although comparable data from other cities are few, my results indicate that wasp diversity in Cleveland is at least comparable to other urban locations, but may be

relatively high (especially within vacant lots) compared to another city in a temperate climate zone. The number of morphospecies per site (76.69, averaged over lot and garden sites) and the average number of morphospecies found at gardens (63.44) (Table 5) are lower than those reported for urban sites in Switzerland (94.4) by Obrist and Duelli 2010. However, the average number of morphospecies I found in vacant lots (93.71) is comparable (Table 5). Further, the overall species count (369 morphospecies) (Table 4) is much higher than that found by Obrist and Duelli (2010) at urban, forest, and farmland sites (284, 232, and 317 respectively). Christies and Hochuli (2009) found a total of 435 wasp morphospecies in urban remnant and naturalized urban park areas in Sydney, Australia. Although somewhat higher than my species count, I find it striking that species richness in Sydney, a tropical site, differs by only 66 species (15% difference) in comparison to temperate Cleveland, OH. In addition, inspection of the rarefaction curves suggest that my sampling effort yielded less than half of predicted total species richness (44.5% at lots, 42.5% at gardens). This suggests a more extensive study (i.e., many more sites and samples) would truly show that Cleveland may, in fact, harbor remarkable diversity of Hymenoptera.

The greater diversity of vacant lot sites is likely to be related to greater plant diversity and greater diversity of insect hosts in lots versus gardens. Vacant lots were characterized by a great variety of plants, including native vegetation, remnants of plantings from when the site was occupied (e.g., rose bushes and trees), grasses planted by the city after the site was demolished, and many non-native invasive and pioneer plants. In contrast, gardens consisted of a limited number of crop plants. Given that greater plant diversity is associated with increased insect diversity (Murdoch et al. 1972),

vacant lands should also have greater insect diversity. Lots should also have greater diversity of parasitoids, given the greater diversity of hosts available. Flowering at urban sites also seems to increase parasitoid abundance (Bennett and Gratton 2011) and rates of parasitism (Ellis et al. 2005).

Disturbance likely plays a role in the difference between lots and gardens. Initially, disturbance is likely to be a greater factor in gardens than lots. For example, the conversion of a vacant lot to an urban garden or farm in Cleveland is likely to involve several major disturbances: (1) the removal of all lot vegetation by pulling or herbicides; (2) soil disturbances that include tilling, amendment with nutrients, new topsoil, or decontaminants, or complete removal if the soil is contaminated severely; and (3) construction of buildings and walking paths. Hence, initial creation of an urban garden should cause an immediate and large loss of insect biodiversity. Although comparable data on insects are not available, Grewal et al. (2011) has shown that soil nematode communities in urban gardens <5yrs old are less diverse than older gardens in NE Ohio.

In addition to disturbance establishing the garden at the beginning of the growing season, long term maintenance of garden sites will require additional disturbances. These disturbances (tilling, harvesting, rotation of crops etc.) may reduce insect diversity throughout the season. On the other hand, disturbance is likely to be less of a factor in Cleveland's vacant lots. The lots are mowed periodically (although the frequency of mowing is decreasing as the city obtains more lots and the funds to mow become more limited, according to Terry Schwarz, personal communication). Even mowing, however, may not have long-lasting effects, since mowing reduces above ground growth only temporarily, but does not necessarily change the composition of plant communities on

lots. In addition, my personal observations indicate that many large plants in the lots, such as shrubs and trees, are not affected by mowing, and mowing often is usually most thorough at the front of the lot, near the street, but vegetation at the back and along the margins of lots are often not affected.

The intermediate disturbance hypothesis suggests that species diversity of an ecosystem is at a peak when that ecosystem experiences moderate levels of disturbance. (Wilkinson 1999) While the garden sites experience high levels of disturbance throughout the season, vacant lot sites likely experienced low to moderate disturbance. My result of higher diversity at the vacant lot sites may be due to this moderate disturbance, as compared to the garden sites.

The differences found in family abundance and diversity at vacant lots and gardens may be due to several variables including vegetation/sugar resources, host availability, and disturbance levels, as discussed above. Specifying which variable is the strongest influence for each family will require additional research. For example, both Encyrtidae and Platygastriidae use sternorrhynchous Hemiptera as a primary host. If we can expect host availability to be increased at vacant lots, as the sweep net results suggest, then we might expect that both Encyrtidae and Platygastriidae would be more abundant at vacant lots. However, the data are equivocal on this point. A total of 853 Encyrtidae individuals were found, 571 at vacant lots and 282 at gardens, identified as one morphospecies (Table 4) . However, a total of 1057 individuals were found among the Platygastriidae with 685 at gardens and 372 at vacant lots (Table 4). If I examine only the abundance of individuals, this would seem clear that host availability is not the strongest variable at play. However, the picture is further complicated by two factors. First, among the 35

morphospecies identified within the Platygasteridae family, only 19 were found at gardens, with 32 found at lots (Table 4). Perhaps species specific host choice is an additional variable to consider. Secondly, since Platygasteridae exhibit polyembryony and Encyrtidae do not, that advantage in reproduction might explain the difference in abundances. Braconidae, the most speciose group, also fail to make a strong case for host availability. Braconids are largely generalists in terms of host choice. I identified 84 braconid morphospecies; 60 occurred in lots and a similar number, 53, occurred in gardens (Table 4).

Because species richness is often related to habitat area or the size of area sampled in ecosystems (MacArthur and Wilson 1967), I investigated that the possibility that wasp species richness varies with lot and garden size. My findings indicate that area of urban lots and gardens was at least not a strong predictor of wasp species richness. However, species richness did show a weak trend of increase with urban garden area, although the interpretation of this result is hindered by small sample size. However, it may be reasonable to expect that species richness should increase with area of gardens. Larger gardens are likely to contain a greater variety of crop plant species than smaller gardens. With more crop species, larger gardens should also attract a greater variety of herbivorous insects that specialize on those different plants, and more herbivorous species should attract a greater diversity of parasitoid and predaceous wasps that may specialize on the different herbivorous insects. Several other complications could have influenced my analysis of species-area relationships. In addition to relatively small sample size, perhaps the size range was too narrow to see a relationship. For example, my sites, with an average area of 2.24 km², were smaller than smallest sites used by Gibb and

Hochuli (2002). Christies and Hochuli (2009), however, show that species richness on small urban remnants was comparable to that on larger more naturalized areas. Gibb and Hochuli (2002) suggest that disturbance, rather than habitat area, is what determines urban wasp assemblages. As discussed above, I suggest that greater disturbance in urban gardens than lots may be the key to differences that I report here

Parasitoid wasps could be used as a litmus test for the biodiversity of city ecosystems. With urbanization an inevitable part of the future, the ability of scientists to monitor the health of our cities is critical. Wasps are particularly well adapted to a moderate level of disturbance, and with their variation in host choice, their abundance and diversity can be used as an indicator of the biodiversity and, thus, health, of a city ecosystem. Parasitoid wasps are dependent on the food web beneath them being healthy and stable, this fact, combined with their tolerance of moderate disturbance, could make them an important indicator for future ecologists.

CONCLUSIONS

Implications for Managing for Biological Control Services

I undertook this project with the larger objectives of assessing the potential for biological control services in Cleveland's urban gardens, and providing information that may assist managers and land use planners in the management of Cleveland's vacant lots that maximizes those services. I think this project provides several valuable insights regarding those objectives.

1. Cleveland, Ohio has rich potential for biological control in support of urban agriculture.

This survey has demonstrated that urban lots and gardens of Cleveland, OH are characterized by a diverse assemblage of parasitoid and predaceous wasps that could serve as important biological control agents. This adds to other studies within some of the same lots and gardens that have found ample biological control attributable to ants in below-ground habitats within some of the same lots and gardens used in the current study (Yadav et al. 2012).

This is particularly good news for urban gardeners and farmers in Cleveland, since biological control should reduce, or perhaps eliminate, the need for pesticides. Biological control by resident insects reduces the cost of production. However, pesticide used for agriculture in cities is especially problematic from a public health standpoint, because agriculture occurs directly within densely populated areas and in cities that may already have difficulties with air and water quality, and exposure to toxic pollutants. Further, agriculture on converted vacant lots is likely to occur within some of the poorest neighborhoods in cities, raising environmental justice concerns regarding the use of pesticides.

Overall, these findings indicate that there are important insect services in Cleveland that should be conserved and perhaps enhanced.

2. Biological control services are reduced when vacant lots are converted to urban gardens.

My study did not specifically document a decline in wasp diversity over time as a lot is converted to a garden, nor did I measure biological services directly (only the reduction in diversity of insects that provide those services). However, my results do imply that conversion of a lot to a garden is associated with a decline in parasitoid and predaceous wasp diversity, since many of the gardens we examined were in fact vacant lots just a few years before my study. Moreover, these results are consistent with studies of below-ground services within Cleveland's lots and gardens (Grewal et al. 2011). Hence, these results suggest that managers should seek methods of conversion that reduce disturbance and preserve some of the existing biodiversity and services as much as possible.

3. Preservation of urban meadows may help to conserve and perhaps enhance biological control services.

Vacant lots are likely to harbor high wasp diversity because they are largely ignored, meaning they receive little disturbance (in some cases for over 50 years in Cleveland). Although they may be mowed occasionally, they are otherwise left to accrue a great diversity of plant species, some native and some non-native, that serve as the base for a larger and diverse food web of which parasitoids become an important part. Therefore, I suggest that at least some lots should be maintained as "urban meadows", or sites that are managed for plant and insect diversity. These could be planted with native vegetation, or

even ornamental vegetation, as long as they contain both the structural and species diversity necessary to harbor diverse assemblages of beneficial insects.

To some extent, this is occurring unintentionally already. Many of Cleveland's urban farms and gardens have been established in areas with large amounts of vacant land that probably supply valuable services. In fact, two of the garden/farm sites used in this study are probably good examples of these unintentional interactions. For example, the Buckeye Garden Site was established within just the last two years on a larger vacant lot site, so the area retains a significant "urban meadow" directly adjacent to the garden. Accordingly, Buckeye Garden has the largest family-level richness recorded in my survey. In addition, the owner of Blue Pike Farm intentionally maintains some gardens planted with flowers as well as some unmanaged areas within his farm with the specific objective of maintaining diversity of beneficial insects. He was rewarded with the highest species richness of wasps of all the gardens I have sampled.

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APPENDIX 1: RAW DATA

Appendix 1: Raw Data

Species #	Superfamily	Family	Subfamily	Genus	Species Code	Collection Date	Site	Site Type	Abundance Count	# Traps Recovered	# Individuals Per Trap
1	Chalcidoidea	Aphelinidae			Aphelinid 1	6/27/2010	U107	Lot	13	10	1.3
1	Chalcidoidea	Aphelinidae			Aphelinid 1	6/13/2010	Gclb	Garden	2	10	0.2
1	Chalcidoidea	Aphelinidae			Aphelinid 1	7/22/2010	Gcb	Garden	2	1	2
1	Chalcidoidea	Aphelinidae			Aphelinid 1	7/22/2010	Gclb	Garden	2	10	0.2
1	Chalcidoidea	Aphelinidae			Aphelinid 1	7/22/2010	Gce	Garden	1	8	0.13
1	Chalcidoidea	Aphelinidae			Aphelinid 1	7/1/2010	U106	Lot	1	10	0.1
1	Chalcidoidea	Aphelinidae			Aphelinid 1	7/22/2010	U109	Lot	1	8	0.13
1	Chalcidoidea	Aphelinidae			Aphelinid 1	6/13/2010	U110	Lot	1	10	0.1
1	Chalcidoidea	Aphelinidae			Aphelinid 1	7/8/2010	U113	Lot	1	10	0.1
2	Chalcidoidea	Aphelinidae			Aphelinid 2	7/2/2010	Gce	Garden	1	10	0.1
3	Chalcidoidea	Aphelinidae			Aphelinid 3	8/12/2010	Gclb	Garden	1	10	0.1
3	Chalcidoidea	Aphelinidae			Aphelinid 3	8/12/2010	Gcm	Garden	1	8	0.13
3	Chalcidoidea	Aphelinidae			Aphelinid 3	6/13/2010	U110	Lot	1	10	0.1
4	Chalcidoidea	Aphelinidae			Aphelinid 4	6/13/2010	U110	Lot	1	10	0.1
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/13/2010	Gcb	Garden	5	10	0.5
5	Chalcidoidea	Aphelinidae			Aphelinid 5	7/1/2010	U107	Lot	5	8	0.63
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/13/2010	U106	Lot	2	10	0.2
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/13/2010	Bpf	Garden	1	10	0.1
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/13/2010	Clf	Garden	1	5	0.2
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/13/2010	Gclb	Garden	1	10	0.1
5	Chalcidoidea	Aphelinidae			Aphelinid 5	7/22/2010	Gcsv	Garden	1	9	0.11
5	Chalcidoidea	Aphelinidae			Aphelinid 5	8/28/2010	Gce	Garden	1	10	0.1
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/29/2010	U106	Lot	1	10	0.1
5	Chalcidoidea	Aphelinidae			Aphelinid 5	7/22/2010	U106	Lot	1	10	0.1
5	Chalcidoidea	Aphelinidae			Aphelinid 5	6/29/2010	U107	Lot	1	10	0.1
6	Chalcidoidea	Aphelinidae			Aphelinid 6	6/13/2010	U111	Lot	1	10	0.1
7	Chalcidoidea	Aphelinidae			Aphelinid 7	8/26/2010	Bpf	Garden	1	9	0.11
8x	Chalcidoidea	Aphelinidae			Aphelinid Unsorted	7/22/2010	Bpf	Garden	1	10	0.1
8x	Chalcidoidea	Aphelinidae			Aphelinid Unsorted	8/12/2010	Bpf	Garden	1	10	0.1
8x	Chalcidoidea	Aphelinidae			Aphelinid Unsorted	7/22/2010	U109	Lot	1	8	0.13

8x	Chalcidoidea	Aphelinidae			Aphelinid Unsorted	7/22/2010	U113	Lot	1	10	0.1
359	Chrysididae	Bethylidae			Bethylidae 1	7/22/2010	Gclb	Garden	7	10	0.7
359	Chrysididae	Bethylidae			Bethylidae 1	8/12/2010	Bpf	Garden	2	10	0.2
359	Chrysididae	Bethylidae			Bethylidae 1	7/22/2010	Gcfx	Garden	1	10	0.1
359	Chrysididae	Bethylidae			Bethylidae 1	8/12/2010	Gcb	Garden	1	10	0.1
359	Chrysididae	Bethylidae			Bethylidae 1	8/12/2010	U109	Lot	1	8	0.13
359	Chrysididae	Bethylidae			Bethylidae 1	8/28/2010	U110	Lot	1	10	0.1
360	Chrysididae	Bethylidae			Bethylidae 2	8/28/2010	Gce	Garden	1	10	0.1
361	Chrysididae	Bethylidae			Bethylidae 4	7/22/2010	Gcfx	Garden	1	10	0.1
361	Chrysididae	Bethylidae			Bethylidae 3	8/28/2010	Gce	Garden	1	10	0.1
9	Ichneumonoidea	Braconidae	Rogadinae	Aleiodes	Aleiodes 1	7/22/2010	Gcfx	Garden	1	10	0.1
9	Ichneumonoidea	Braconidae	Progadinae	Aleiodes	Aleiodes 1	7/22/2010	Gcm	Garden	1	10	0.1
9	Ichneumonoidea	Braconidae	Progadinae	Aleiodes	Aleiodes 1	7/22/2010	U109	Lot	1	8	0.13
10	Ichneumonoidea	Braconidae		Apanteles	Apanteles 1	8/26/2010	Bpf	Garden	5	9	0.56
10	Ichneumonoidea	Braconidae		Apanteles	Apanteles 1	8/29/2010	U106	Lot	3	10	0.3
10	Ichneumonoidea	Braconidae		Apanteles	Apanteles 1	7/22/2010	Bpf	Garden	2	10	0.2
10	Ichneumonoidea	Braconidae		Apanteles	Apanteles 1	8/26/2010	Gcm	Garden	1	10	0.1
10	Ichneumonoidea	Braconidae		Apanteles	Apanteles 1	8/29/2010	U108	Lot	1	1	1
10	Ichneumonoidea	Braconidae		Apanteles	Apanteles 1	8/26/2010	U113	Lot	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/1/2010	U107	Lot	15	8	1.88
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/26/2010	Bpf	Garden	13	9	1.44
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/2/2010	Gce	Garden	9	10	0.9
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	6/13/2010	U113	Lot	9	10	0.9
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	Bpf	Garden	4	10	0.4
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/1/2010	U106	Lot	4	10	0.4
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	U106	Lot	4	10	0.4
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/26/2010	Gcm	Garden	3	10	0.3
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/29/2010	U106	Lot	3	10	0.3
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	U107	Lot	3	7	0.43
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	Fg	Garden	2	10	0.2
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	Gcm	Garden	2	10	0.2
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/29/2010	Gcsv	Garden	2	10	0.2
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	6/13/2010	U106	Lot	2	10	0.2
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	6/13/2010	U108	Lot	2	9	0.22
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	U109	Lot	2	8	0.25
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	U113	Lot	2	10	0.2
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	6/13/2010	Gcfx	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	Gcfx	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	Gclb	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/12/2010	Gcb	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/12/2010	Gcfx	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/12/2010	Gcm	Garden	1	8	0.13

11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/12/2010	Gcsv	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/28/2010	Gce	Garden	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	6/29/2010	UI06	Lot	1	10	0.1
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	UI08	Lot	1	5	0.2
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	7/22/2010	UI11	Lot	1	9	0.11
11	Ichneumonoidea	Braconidae	Alysiinae	Aphaereta	Aphaereta Pallipes	8/12/2010	UI13	Lot	1	10	0.1
12	Ichneumonoidea	Braconidae	Aphidiinae		Aphidiinae 1	6/29/2010	UI07	Lot	1	10	0.1
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	6/29/2010	UI07	Lot	13	10	1.3
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	6/13/2010	Gcb	Garden	1	10	0.1
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	6/13/2010	Gcfx	Garden	1	10	0.1
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	6/13/2010	Gclb	Garden	1	10	0.1
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	6/29/2010	UI06	Lot	1	10	0.1
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	7/1/2010	UI07	Lot	1	8	0.13
13	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 1	7/22/2010	UI11	Lot	1	9	0.11
14	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 2	7/22/2010	Fg	Garden	1	10	0.1
15	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 3	6/29/2010	UI07	Lot	1	10	0.1
15	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 3	7/1/2010	UI07	Lot	1	8	0.13
16	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 4	6/13/2010	UI06	Lot	1	10	0.1
16	Ichneumonoidea	Braconidae	Aphidiinae	Aphidius	Aphidius 4	6/29/2010	UI07	Lot	1	10	0.1
17	Ichneumonoidea	Braconidae		Ascogaster	Ascogaster 2	8/29/2010	UI08	Lot	1	1	1
17	Ichneumonoidea	Braconidae		Ascogaster	Ascogaster 2	8/28/2010	UI10	Lot	1	10	0.1
18	Ichneumonoidea	Braconidae		Ascogaster	Ascogaster 3	6/13/2010	Bpf	Garden	1	10	0.1
18	Ichneumonoidea	Braconidae		Ascogaster	Ascogaster 3	7/22/2010	UI09	Lot	1	8	0.13
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	6/13/2010	Gclb	Garden	2	10	0.2
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	6/13/2010	UI06	Lot	2	10	0.2
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	7/1/2010	UI06	Lot	2	10	0.2
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	6/13/2010	UI10	Lot	2	10	0.2
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	6/13/2010	UI13	Lot	2	10	0.2
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	6/13/2010	Gcsv	Garden	1	10	0.1
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	7/22/2010	Bpf	Garden	1	10	0.1
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	7/22/2010	Fg	Garden	1	10	0.1
19	Ichneumonoidea	Braconidae		Asobara	Asobara 1	7/22/2010	Gcm	Garden	1	10	0.1
20	Ichneumonoidea	Braconidae		Asobara	Asobara 2	6/13/2010	Gcb	Garden	1	10	0.1
21	Ichneumonoidea	Braconidae		Asobara	Asobara 3	8/29/2010	UI13	Lot	1	10	0.1
22	Ichneumonoidea	Braconidae	Alysiinae	Aspilota?	Aspilota 1	8/26/2010	Bpf	Garden	1	9	0.11
23	Ichneumonoidea	Braconidae	Alysiinae	Aspilota	Aspilota 1	7/8/2010	UI13	Lot	1	10	0.1
24	Ichneumonoidea	Braconidae	Alysiinae	Aspilota	Aspilota 2	8/26/2010	Bpf	Garden	1	9	0.11
25	Ichneumonoidea	Braconidae	Blacinae	Blacus	Blacus 1	7/22/2010	UI09	Lot	2	8	0.25
26	Ichneumonoidea	Braconidae	Blacinae	Blacus	Blacus 2	6/13/2010	UI13	Lot	1	10	0.1
28	Ichneumonoidea	Braconidae		Braconinae	Braconinae 1	6/13/2010	UI06	Lot	1	10	0.1
28	Ichneumonoidea	Braconidae		Braconinae	Braconinae 1	6/29/2010	UI07	Lot	1	10	0.1
29	Ichneumonoidea	Braconidae		Braconinae	Braconinae 2	7/22/2010	Bpf	Garden	3	10	0.3

29	Ichneumonoidea	Braconidae		Braconinae	Braconinae 2	7/22/2010	Fg	Garden	2	10	0.2
29	Ichneumonoidea	Braconidae		Braconinae	Braconinae 2	8/12/2010	Fg	Garden	2	9	0.22
29	Ichneumonoidea	Braconidae		Braconinae	Braconinae 2	8/12/2010	Gcsv	Garden	1	10	0.1
29	Ichneumonoidea	Braconidae		Braconinae	Braconinae 2	8/29/2010	Fg	Garden	1	10	0.1
29	Ichneumonoidea	Braconidae		Braconinae	Braconinae 2	7/22/2010	U109	Lot	1	8	0.13
30	Ichneumonoidea	Braconidae	Cardiochilinae	Cardiochiles	Cardiochiles 1	8/29/2010	U107	Lot	1	10	0.1
31	Ichneumonoidea	Braconidae		Cheloninae	Cheloninae 1	6/13/2010	Gcsv	Garden	1	10	0.1
32	Ichneumonoidea	Braconidae		Chelonus	Chelonus 4	7/22/2010	U109	Lot	1	8	0.13
33	Ichneumonoidea	Braconidae		Chelonus	Chelonus 5	7/22/2010	U109	Lot	1	8	0.13
34	Ichneumonoidea	Braconidae		Chlonus	Chelonus 6	7/8/2010	U113	Lot	1	10	0.1
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	8/12/2010	Bpf	Garden	4	10	0.4
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	6/13/2010	U110	Lot	4	10	0.4
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	8/12/2010	Gcb	Garden	3	10	0.3
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	7/22/2010	U113	Lot	3	10	0.3
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	6/13/2010	U106	Lot	2	10	0.2
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	8/12/2010	U110	Lot	2	10	0.2
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	6/13/2010	U111	Lot	2	10	0.2
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	6/13/2010	Bpf	Garden	1	10	0.1
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	6/29/2010	U106	Lot	1	10	0.1
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	7/22/2010	U106	Lot	1	10	0.1
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	6/13/2010	U108	Lot	1	9	0.11
35	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 1	7/8/2010	U113	Lot	1	10	0.1
36	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 2	7/2/2010	Fg	Garden	3	10	0.3
37	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 3	7/22/2010	U107	Lot	1	7	0.14
38	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 4	7/22/2010	U113	Lot	1	10	0.1
39	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 5	7/2/2010	Fg	Garden	1	10	0.1
39	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore 5	6/29/2010	U107	Lot	1	10	0.1
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	7/22/2010	U107	Lot	4	7	0.57
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	8/26/2010	Bpf	Garden	3	9	0.33
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	8/28/2010	Gce	Garden	3	10	0.3
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	7/1/2010	U107	Lot	2	8	0.25
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	6/13/2010	U111	Lot	2	10	0.2
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	6/13/2010	Gcsv	Garden	1	10	0.1
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	8/26/2010	Gcm	Garden	1	10	0.1
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	8/29/2010	U106	Lot	1	10	0.1
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	8/29/2010	U108	Lot	1	1	1
41	Ichneumonoidea	Braconidae		Cotesia	Cotesia 1	8/12/2010	U113	Lot	1	10	0.1
42	Ichneumonoidea	Braconidae		Cotesia	Cotesia 2	7/22/2010	Gcsv	Garden	1	9	0.11
43	Ichneumonoidea	Braconidae		Cotesia	Cotesia 3	8/26/2010	Bpf	Garden	3	9	0.33
43	Ichneumonoidea	Braconidae		Cotesia	Cotesia 3	8/26/2010	U113	Lot	1	10	0.1
44	Ichneumonoidea	Braconidae		Cotesia	Cotesia 4	8/26/2010	U111	Lot	1	10	0.1
45	Ichneumonoidea	Braconidae		Diaeretiella	Diaeretiella Rapae	7/8/2010	Gcm	Garden	1	10	0.1

46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	7/1/2010	U107	Lot	6	8	0.75
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	7/22/2010	U113	Lot	4	10	0.4
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	6/29/2010	U107	Lot	3	10	0.3
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	8/26/2010	U113	Lot	3	10	0.3
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	6/13/2010	Gcfx	Garden	1	10	0.1
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	7/22/2010	Bpf	Garden	1	10	0.1
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	7/22/2010	Gcm	Garden	1	10	0.1
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	6/29/2010	U106	Lot	1	10	0.1
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	7/1/2010	U106	Lot	1	10	0.1
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	8/29/2010	U107	Lot	1	10	0.1
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	7/22/2010	U109	Lot	1	8	0.13
46	Ichneumonoidea	Braconidae	Dinotrema		Dino 1	6/13/2010	U110	Lot	1	10	0.1
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 10	6/13/2010	Gcfx	Garden	6	10	0.6
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 10	8/26/2010	Bpf	Garden	2	9	0.22
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	7/22/2010	Bpf	Garden	1	10	0.1
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	8/12/2010	Gcb	Garden	1	10	0.1
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	8/26/2010	Gcm	Garden	1	10	0.1
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	7/1/2010	U106	Lot	1	10	0.1
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	8/29/2010	U108	Lot	1	1	1
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	7/22/2010	U109	Lot	1	8	0.13
47	Ichneumonoidea	Braconidae	Dinotrema		Dino 11	6/13/2010	U111	Lot	1	10	0.1
48	Ichneumonoidea	Braconidae	Dinotrema		Dino 2	7/22/2010	U106	Lot	1	10	0.1
48	Ichneumonoidea	Braconidae	Dinotrema		Dino 2	8/29/2010	U108	Lot	1	1	1
49	Ichneumonoidea	Braconidae	Dinotrema		Dino 3	6/13/2010	U111	Lot	2	10	0.2
50	Ichneumonoidea	Braconidae	Dinotrema		Dino 4	6/13/2010	U106	Lot	2	10	0.2
50	Ichneumonoidea	Braconidae	Dinotrema		Dino 4	8/12/2010	U106	Lot	1	9	0.11
50	Ichneumonoidea	Braconidae	Dinotrema		Dino 4	7/22/2010	U108	Lot	1	5	0.2
51	Ichneumonoidea	Braconidae	Dinotrema		Dino 5	8/29/2010	Fg	Garden	1	10	0.1
51	Ichneumonoidea	Braconidae	Dinotrema		Dino 5	7/1/2010	U106	Lot	1	10	0.1
51	Ichneumonoidea	Braconidae	Dinotrema		Dino 5	7/1/2010	U107	Lot	1	8	0.13
51	Ichneumonoidea	Braconidae	Dinotrema		Dino 5	6/13/2010	U113	Lot	1	10	0.1
52	Ichneumonoidea	Braconidae	Dinotrema		Dino 6	6/13/2010	U111	Lot	2	10	0.2
52	Ichneumonoidea	Braconidae	Dinotrema		Dino 6	8/26/2010	Fg	Garden	1	10	0.1
52	Ichneumonoidea	Braconidae	Dinotrema		Dino 6	7/22/2010	U109	Lot	1	8	0.13
53	Ichneumonoidea	Braconidae	Dinotrema		Dino 7	7/22/2010	U109	Lot	3	8	0.38
53	Ichneumonoidea	Braconidae	Dinotrema		Dino 7	8/12/2010	Bpf	Garden	1	10	0.1
53	Ichneumonoidea	Braconidae	Dinotrema		Dino 7	8/26/2010	Gcm	Garden	1	10	0.1
53	Ichneumonoidea	Braconidae	Dinotrema		Dino 7	8/29/2010	U108	Lot	1	1	1
54	Ichneumonoidea	Braconidae	Dinotrema		Dino 8	7/22/2010	Bpf	Garden	1	10	0.1
55	Ichneumonoidea	Braconidae	Dinotrema		Dino 9	8/29/2010	U113	Lot	1	10	0.1
57	Ichneumonoidea	Braconidae	Dinostigma	Dinostigma	Dinostigma 1	8/12/2010	Bpf	Garden	1	10	0.1
57	Ichneumonoidea	Braconidae	Dinostigma	Dinostigma	Dinostigma 1	8/26/2010	Bpf	Garden	1	9	0.11

57	Ichneumonoidea	Braconidae		Dinostigma	Dinostigma 1	8/29/2010	Fg	Garden	1	10	0.1
58	Ichneumonoidea	Braconidae	Helconinae	Diospilus	Diospilus 1	6/13/2010	Bpf	Garden	1	10	0.1
58	Ichneumonoidea	Braconidae	Helconinae	Diospilus	Diospilus 1	6/13/2010	Gcfx	Garden	1	10	0.1
58	Ichneumonoidea	Braconidae	Helconinae	Diospilus	Diospilus 1	7/22/2010	Bpf	Garden	1	10	0.1
58	Ichneumonoidea	Braconidae		Ephedrus	Ephedrus 1	8/12/2010	Fg	Garden	1	9	0.11
59	Ichneumonoidea	Braconidae		Eubazus	Eubazus 1	7/22/2010	U109	Lot	10	8	1.25
59	Ichneumonoidea	Braconidae		Eubazus	Eubazus 1	8/12/2010	Bpf	Garden	1	10	0.1
59	Ichneumonoidea	Braconidae		Eubazus	Eubazus 1	8/12/2010	U106	Lot	1	9	0.11
60	Ichneumonoidea	Braconidae		Eubazus	Eubazus 2	7/22/2010	Fg	Garden	1	10	0.1
60	Ichneumonoidea	Braconidae		Eubazus	Eubazus 2	8/12/2010	Bpf	Garden	1	10	0.1
61	Ichneumonoidea	Braconidae		Eubazus	Eubazus 3	7/22/2010	U108	Lot	1	5	0.2
61	Ichneumonoidea	Braconidae		Eubazus	Eubazus 3	8/12/2010	U108	Lot	1	10	0.1
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/12/2010	Fg	Garden	1	9	0.11
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/12/2010	Gcb	Garden	1	10	0.1
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/26/2010	Bpf	Garden	1	9	0.11
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/26/2010	Gcm	Garden	1	10	0.1
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/29/2010	U106	Lot	1	10	0.1
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/28/2010	U109	Lot	1	9	0.11
62	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 1	8/28/2010	U110	Lot	1	10	0.1
63	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 2	7/2/2010	Bpf	Garden	1	10	0.1
63	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 2	8/26/2010	Bpf	Garden	1	9	0.11
63	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 2	8/28/2010	U110	Lot	1	10	0.1
64	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 3	7/1/2010	U106	Lot	1	10	0.1
64	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 3	8/12/2010	U106	Lot	1	9	0.11
64	Ichneumonoidea	Braconidae		Microgastrinae	Glyptapanteles 3	7/1/2010	U107	Lot	1	8	0.13
65	Ichneumonoidea	Braconidae		Lysiphelebus	Lysiphelebus 1	6/29/2010	U107	Lot	2	10	0.2
66	Ichneumonoidea	Braconidae		Microgastrinae	Microgastrine 1	6/13/2010	Gcb	Garden	1	10	0.1
66	Ichneumonoidea	Braconidae		Microgastrinae	Microgastrine 1	6/13/2010	U109	Lot	1	10	0.1
67	Ichneumonoidea	Braconidae		Microgastrinae	Microgastrine 2	8/29/2010	U107	Lot	1	10	0.1
68	Ichneumonoidea	Braconidae		Microgastrinae	Microgastrine 3	8/28/2010	U110	Lot	1	10	0.1
70	Ichneumonoidea	Braconidae		Opiinae	Opius 1	8/12/2010	U107	Lot	2	10	0.2
70	Ichneumonoidea	Braconidae		Opiinae	Opius 1	8/12/2010	Gce	Garden	1	10	0.1
70	Ichneumonoidea	Braconidae		Opiinae	Opius 1	8/26/2010	Bpf	Garden	1	9	0.11
71	Ichneumonoidea	Braconidae		Opiinae	Opius 2	7/22/2010	Gcm	Garden	2	10	0.2
71	Ichneumonoidea	Braconidae		Opiinae	Opius 2	8/12/2010	U107	Lot	1	10	0.1
72	Ichneumonoidea	Braconidae		Opiinae	Opius 3	8/26/2010	Gcm	Garden	1	10	0.1
73	Ichneumonoidea	Braconidae		Opiinae	Opius 4	8/28/2010	Gce	Garden	2	10	0.2
73	Ichneumonoidea	Braconidae		Opiinae	Opius 4	7/22/2010	Gcsv	Garden	1	9	0.11
73	Ichneumonoidea	Braconidae		Opiinae	Opius 4	6/29/2010	U107	Lot	1	10	0.1
73	Ichneumonoidea	Braconidae		Opiinae	Opius 4	6/13/2010	U113	Lot	1	10	0.1
73	Ichneumonoidea	Braconidae		Opiinae	Opius 4	7/8/2010	U113	Lot	1	10	0.1
74	Ichneumonoidea	Braconidae		Opiinae	Opius 5	7/22/2010	Gcfx	Garden	1	10	0.1

74	Ichneumonoidea	Braconidae		Opiinae	Opius 5	8/12/2010	Gcfx	Garden	1	10	0.1
74	Ichneumonoidea	Braconidae		Opiinae	Opius 5	7/22/2010	U108	Lot	1	5	0.2
74	Ichneumonoidea	Braconidae		Opiinae	Opius 5	7/22/2010	U109	Lot	1	8	0.13
75	Ichneumonoidea	Braconidae		Opiinae	Opius 6	7/22/2010	Bpf	Garden	1	10	0.1
76	Ichneumonoidea	Braconidae		Opiinae	Opius 7	7/22/2010	Gcfx	Garden	1	10	0.1
77	Ichneumonoidea	Braconidae		Opiinae	Opius 8	7/22/2010	Bpf	Garden	2	10	0.2
77	Ichneumonoidea	Braconidae		Opiinae	Opius 8	7/22/2010	Fg	Garden	1	10	0.1
77	Ichneumonoidea	Braconidae		Opiinae	Opius 8	8/26/2010	Gcm	Garden	1	10	0.1
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	7/22/2010	Gclb	Garden	5	10	0.5
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	8/26/2010	Bpf	Garden	2	9	0.22
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	7/22/2010	Gcb	Garden	1	1	1
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	8/12/2010	Gcb	Garden	1	10	0.1
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	7/22/2010	U109	Lot	1	8	0.13
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	6/13/2010	U110	Lot	1	10	0.1
78	Ichneumonoidea	Braconidae	Orgilinae	Orgilus	Orgilus 1	8/28/2010	U110	Lot	1	10	0.1
79	Ichneumonoidea	Braconidae	Alysiinae	Phaenocarpa	Phaenocarpa 1	8/12/2010	U106	Lot	1	9	0.11
79	Ichneumonoidea	Braconidae	Alysiinae	Phaenocarpa	Phaenocarpa 1	8/12/2010	U113	Lot	1	10	0.1
80	Ichneumonoidea	Braconidae		Pneumosema	Pneumosema 1	7/8/2010	Gcm	Garden	1	10	0.1
81	Ichneumonoidea	Braconidae	Aphidiinae	Praon	Praon 1	7/22/2010	U111	Lot	1	9	0.11
82	Ichneumonoidea	Braconidae	Ichneutinae	Proterops	Proterops 1	7/2/2010	Fg	Garden	3	10	0.3
82	Ichneumonoidea	Braconidae	Ichneutinae	Proterops	Proterops 1	7/22/2010	Fg	Garden	3	10	0.3
82	Ichneumonoidea	Braconidae	Ichneutinae	Proterops	Proterops 1	8/28/2010	Gce	Garden	3	10	0.3
82	Ichneumonoidea	Braconidae	Ichneutinae	Proterops	Proterops 1	7/8/2010	Gcm	Garden	1	10	0.1
82	Ichneumonoidea	Braconidae	Ichneutinae	Proterops	Proterops 1	8/12/2010	Fg	Garden	1	9	0.11
82	Ichneumonoidea	Braconidae	Ichneutinae	Proterops	Proterops 1	8/12/2010	Gcm	Garden	1	8	0.13
165	Ichneumonoidea	Braconidae	Euphorinae	Ecclitura	Ecc 1	8/26/2010	Gcm	Garden	1	10	0.1
166	Ichneumonoidea	Braconidae	Euphorinae	Leiophron	Leio 1	7/22/2010	Gclb	Garden	3	10	0.3
166	Ichneumonoidea	Braconidae	Euphorinae	Leiophron	Leio 1	8/12/2010	Fg	Garden	1	9	0.11
166	Ichneumonoidea	Braconidae	Euphorinae	Leiophron	Leio 1	8/29/2010	Gcfx	Garden	1	2	0.5
167	Ichneumonoidea	Braconidae	Euphorinae	Marshiella	Marsh 1	8/12/2010	Gcb	Garden	1	10	0.1
167	Ichneumonoidea	Braconidae	Euphorinae	Marshiella	Marsh 1	8/12/2010	U107	Lot	1	10	0.1
167	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus 1	7/22/2010	U108	Lot	1	5	0.2
169	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Epitricis	7/2/2010	Gce	Garden	1	10	0.1
170	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Pilatus	6/13/2010	Bpf	Garden	1	10	0.1
171	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Muesloecki	6/13/2010	U108	Lot	9	9	1
171	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Muesloecki	6/13/2010	Gcfx	Garden	4	10	0.4
171	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Muesloecki	6/13/2010	Clf	Garden	2	5	0.4
171	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Muesloecki	7/22/2010	Gcm	Garden	1	10	0.1
171	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Muesloecki	7/22/2010	U108	Lot	1	5	0.2
171	Ichneumonoidea	Braconidae	Euphorinae	Microctonus	Microctonus Muesloecki	8/12/2010	U108	Lot	1	10	0.1
180	Ichneumonoidea	Braconidae	Euphorinae	Townesilitus	Towne 1	8/28/2010	Gce	Garden	1	10	0.1
27x	Ichneumonoidea	Braconidae			Brac Unsorted	8/29/2010	Gcfx	Garden	4	2	2

27x	Ichneumonoidea	Braconidae			Brac Unsorted	7/22/2010	U108	Lot	4	5	0.8
27x	Ichneumonoidea	Braconidae			Brac Unsorted	7/22/2010	Gclb	Garden	1	10	0.1
27x	Ichneumonoidea	Braconidae			Brac Unsorted	8/12/2010	Fg	Garden	1	9	0.11
27x	Ichneumonoidea	Braconidae			Brac Unsorted	8/12/2010	Gcb	Garden	1	10	0.1
27x	Ichneumonoidea	Braconidae			Brac Unsorted	8/12/2010	Gcm	Garden	1	8	0.13
27x	Ichneumonoidea	Braconidae			Brac Unsorted	6/29/2010	U106	Lot	1	10	0.1
27x	Ichneumonoidea	Braconidae			Brac Unsorted	7/22/2010	U106	Lot	1	10	0.1
27x	Ichneumonoidea	Braconidae			Brac Unsorted	6/29/2010	U107	Lot	1	8	0.13
40x	Ichneumonoidea	Braconidae	Alysiinae	Chorebus	Chore Unsorted	8/12/2010	U113	Lot	1	10	0.1
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	8/26/2010	U113	Lot	4	10	0.4
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	8/29/2010	U108	Lot	3	1	3
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	8/26/2010	Bpf	Garden	2	9	0.22
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	7/22/2010	U108	Lot	2	5	0.4
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	6/13/2010	Gcfx	Garden	1	10	0.1
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	7/22/2010	Bpf	Garden	1	10	0.1
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	7/22/2010	Gce	Garden	1	8	0.13
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	6/13/2010	U106	Lot	1	10	0.1
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	8/29/2010	U106	Lot	1	10	0.1
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	6/29/2010	U107	Lot	1	8	0.13
56x	Ichneumonoidea	Braconidae	Dinotrema		Dino Unsorted	6/13/2010	U113	Lot	1	10	0.1
69x	Ichneumonoidea	Braconidae		Opiinae	Opiu Undetermined	8/12/2010	U107	Lot	1	10	0.1
83x	Ichneumonoidea	Braconidae			Unsorted Males	7/22/2010	Gclb	Garden	1	10	0.1
83x	Ichneumonoidea	Braconidae			Unsorted Males	7/22/2010	Gcm	Garden	1	10	0.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	U109	Lot	18	8	2.25
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	Gcsv	Garden	15	10	1.5
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	U108	Lot	12	5	2.4
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/29/2010	U107	Lot	11	10	1.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	U111	Lot	11	10	1.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/29/2010	U108	Lot	9	1	9
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/29/2010	U106	Lot	8	10	0.8
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	U110	Lot	7	10	0.7
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	U110	Lot	6	10	0.6
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	Gcm	Garden	5	10	0.5
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	U106	Lot	5	10	0.5
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	U108	Lot	5	9	0.56
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	Gcb	Garden	4	1	4
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	Gcfx	Garden	4	10	0.4
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/28/2010	U109	Lot	4	9	0.44
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	Gcb	Garden	3	10	0.3
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/28/2010	Gce	Garden	3	10	0.3
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	U109	Lot	3	10	0.3
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/13/2010	Gclb	Garden	2	10	0.2

84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	Bpf	Garden	2	10	0.2
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	Gce	Garden	2	10	0.2
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	Gcfx	Garden	2	10	0.2
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	UI07	Lot	2	10	0.2
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/28/2010	UI10	Lot	2	10	0.2
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	UI11	Lot	2	9	0.22
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/8/2010	Gcm	Garden	1	10	0.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	7/22/2010	Gce	Garden	1	8	0.13
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	Gclb	Garden	1	10	0.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	Gcm	Garden	1	8	0.13
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/26/2010	Gcm	Garden	1	10	0.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	6/29/2010	UI07	Lot	1	10	0.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/12/2010	UI09	Lot	1	8	0.13
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/26/2010	UI11	Lot	1	10	0.1
84	Ceraphronoidea	Ceraphronidae			Ceraphron 1	8/26/2010	UI13	Lot	1	10	0.1
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/12/2010	Gcb	Garden	12	10	1.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/12/2010	Gclb	Garden	9	10	0.9
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/26/2010	Gcm	Garden	9	10	0.9
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/22/2010	Bpf	Garden	8	10	0.8
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/22/2010	Gclb	Garden	7	10	0.7
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/2/2010	Gce	Garden	5	10	0.5
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/12/2010	Gcsv	Garden	4	10	0.4
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/26/2010	Bpf	Garden	4	9	0.44
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/22/2010	UI09	Lot	4	8	0.5
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	6/13/2010	Gcsv	Garden	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/22/2010	Fg	Garden	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/22/2010	Gcm	Garden	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/12/2010	Gcfx	Garden	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/28/2010	Gce	Garden	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/12/2010	UI10	Lot	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/26/2010	UI11	Lot	2	10	0.2
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	6/13/2010	Gclb	Garden	1	10	0.1
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/12/2010	Gce	Garden	1	10	0.1
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	8/30/2010	Gclb	Garden	1	10	0.1
85	Ceraphronoidea	Ceraphronidae			Ceraphron 2	7/22/2010	UI11	Lot	1	9	0.11
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	7/22/2010	UI09	Lot	6	8	0.75
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	7/22/2010	UI11	Lot	3	9	0.33
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	6/13/2010	Gcfx	Garden	2	10	0.2
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	8/12/2010	Gclb	Garden	2	10	0.2
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	8/12/2010	UI13	Lot	2	10	0.2
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	6/13/2010	Clf	Garden	1	5	0.2
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	7/22/2010	Bpf	Garden	1	10	0.1

86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	7/22/2010	Gclb	Garden	1	10	0.1
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	8/26/2010	Bpf	Garden	1	9	0.11
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	8/29/2010	U108	Lot	1	1	1
86	Ceraphronoidea	Ceraphronidae			Ceraphron 3	7/22/2010	U113	Lot	1	10	0.1
87	Ceraphronoidea	Ceraphronidae			Ceraphron 4	7/22/2010	U113	Lot	5	10	0.5
87	Ceraphronoidea	Ceraphronidae			Ceraphron 4	8/26/2010	Bpf	Garden	4	9	0.44
87	Ceraphronoidea	Ceraphronidae			Ceraphron 4	6/29/2010	U107	Lot	1	10	0.1
87	Ceraphronoidea	Ceraphronidae			Ceraphron 4	8/12/2010	U107	Lot	1	10	0.1
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/29/2010	Fg	Garden	4	10	0.4
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/26/2010	U111	Lot	4	10	0.4
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	7/22/2010	U113	Lot	4	10	0.4
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/26/2010	U113	Lot	4	10	0.4
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	U107	Lot	3	10	0.3
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/29/2010	U107	Lot	3	10	0.3
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	6/13/2010	Bpf	Garden	2	10	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	6/13/2010	Gcb	Garden	2	10	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	7/22/2010	Bpf	Garden	2	10	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	7/22/2010	Gcsv	Garden	2	9	0.22
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	Gcsv	Garden	2	10	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	6/29/2010	U107	Lot	2	10	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	7/22/2010	U107	Lot	2	7	0.29
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	6/13/2010	Clf	Garden	1	5	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	6/29/2010	Clf	Garden	1	5	0.2
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	7/22/2010	Fg	Garden	1	10	0.1
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	Bpf	Garden	1	10	0.1
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	Fg	Garden	1	9	0.11
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	Gce	Garden	1	10	0.1
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/26/2010	Bpf	Garden	1	9	0.11
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/26/2010	Gcm	Garden	1	10	0.1
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/30/2010	Gclb	Garden	1	10	0.1
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	U109	Lot	1	8	0.13
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	7/22/2010	U111	Lot	1	9	0.11
88	Ceraphronoidea	Ceraphronidae			Ceraphron 5	8/12/2010	U111	Lot	1	1	1
89	Ceraphronoidea	Ceraphronidae			Ceraphron 6	8/29/2010	U107	Lot	1	10	0.1
90	Ceraphronoidea	Ceraphronidae			Ceraphron 7	8/26/2010	U113	Lot	1	10	0.1
91	Ceraphronoidea	Ceraphronidae			Ceraphron 8	6/13/2010	Gclb	Garden	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	U109	Lot	67	8	8.38
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gcfx	Garden	38	10	3.8
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/29/2010	U108	Lot	29	1	29
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	Gcsv	Garden	19	10	1.9
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gclb	Garden	19	10	1.9
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/29/2010	Fg	Garden	18	10	1.8

92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	U108	Lot	18	5	3.6
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/29/2010	U106	Lot	9	10	0.9
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U110	Lot	9	10	0.9
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Bpf	Garden	8	10	0.8
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/26/2010	Bpf	Garden	6	9	0.67
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	U107	Lot	6	7	0.86
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/29/2010	U107	Lot	6	10	0.6
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/28/2010	U109	Lot	6	9	0.67
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gcm	Garden	5	10	0.5
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	U109	Lot	5	8	0.63
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/28/2010	U110	Lot	5	10	0.5
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	Gcb	Garden	4	10	0.4
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gce	Garden	4	8	0.5
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	U107	Lot	4	10	0.4
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U111	Lot	4	10	0.4
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/26/2010	U113	Lot	4	10	0.4
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	Bpf	Garden	3	10	0.3
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	Gcb	Garden	3	10	0.3
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/29/2010	Gcsv	Garden	3	9	0.33
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/2/2010	Gce	Garden	2	10	0.2
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gcsv	Garden	2	9	0.22
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/28/2010	Gce	Garden	2	10	0.2
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	U106	Lot	2	9	0.22
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/29/2010	U107	Lot	2	8	0.25
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/1/2010	U107	Lot	2	8	0.25
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	U110	Lot	2	10	0.2
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	U111	Lot	2	9	0.22
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/26/2010	U111	Lot	2	10	0.2
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U113	Lot	2	10	0.2
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	Gcsv	Garden	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/2/2010	Fg	Garden	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/2/2010	Gce	Garden	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gcb	Garden	1	1	1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/22/2010	Gce	Garden	1	8	0.13
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	Gcfx	Garden	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	8/12/2010	Gcsv	Garden	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U106	Lot	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/1/2010	U106	Lot	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U108	Lot	1	9	0.11
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U108	Lot	1	9	0.11
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	6/13/2010	U109	Lot	1	10	0.1
92x	Ceraphronoidea	Ceraphronidae			Ceraphron Unsorted Males	7/8/2010	U113	Lot	1	10	0.1

364	Chalcidoidea	Chalcididae			Chalcidae 1	8/12/2010	U109	Lot	2	8	0.25
93	Apoidea	Sphecidae	Crabroninae		Crab 1	7/22/2010	U110	Lot	3	10	0.3
93	Apoidea	Sphecidae	Crabroninae		Crab 1	7/2/2010	Gce	Garden	2	10	0.2
93	Apoidea	Sphecidae	Crabroninae		Crab 1	7/22/2010	Gcfx	Garden	2	10	0.2
93	Apoidea	Sphecidae	Crabroninae		Crab 1	6/13/2010	U110	Lot	2	10	0.2
93	Apoidea	Sphecidae	Crabroninae		Crab 1	6/13/2010	Gcfx	Garden	1	10	0.1
93	Apoidea	Sphecidae	Crabroninae		Crab 1	6/13/2010	Gclb	Garden	1	10	0.1
93	Apoidea	Sphecidae	Crabroninae		Crab 1	7/22/2010	Gclb	Garden	1	10	0.1
93	Apoidea	Sphecidae	Crabroninae		Crab 1	7/22/2010	Gcm	Garden	1	10	0.1
93	Apoidea	Sphecidae	Crabroninae		Crab 1	8/29/2010	Gcsv	Garden	1	9	0.11
93	Apoidea	Sphecidae	Crabroninae		Crab 1	8/29/2010	U106	Lot	1	10	0.1
93	Apoidea	Sphecidae	Crabroninae		Crab 1	7/1/2010	U107	Lot	1	8	0.13
94	Apoidea	Sphecidae	Crabroninae		Crab 2	7/8/2010	Gcm	Garden	2	10	0.2
94	Apoidea	Sphecidae	Crabroninae		Crab 2	6/13/2010	Bpf	Garden	1	10	0.1
94	Apoidea	Sphecidae	Crabroninae		Crab 2	7/22/2010	Gclb	Garden	1	10	0.1
94	Apoidea	Sphecidae	Crabroninae		Crab 2	7/22/2010	Gcm	Garden	1	10	0.1
94	Apoidea	Sphecidae	Crabroninae		Crab 2	8/12/2010	Bpf	Garden	1	10	0.1
94	Apoidea	Sphecidae	Crabroninae		Crab 2	8/12/2010	Bpf	Garden	1	10	0.1
94	Apoidea	Sphecidae	Crabroninae		Crab 2	8/12/2010	Gcm	Garden	1	8	0.13
94	Apoidea	Sphecidae	Crabroninae		Crab 2	7/22/2010	U110	Lot	1	10	0.1
95	Apoidea	Sphecidae	Crabroninae		Crab 3	7/22/2010	Gcm	Garden	2	10	0.2
95	Apoidea	Sphecidae	Crabroninae		Crab 3	7/2/2010	Gce	Garden	1	10	0.1
95	Apoidea	Sphecidae	Crabroninae		Crab 3	6/13/2010	U109	Lot	1	10	0.1
96	Apoidea	Sphecidae	Crabroninae		Crab 4	7/22/2010	U110	Lot	1	10	0.1
97	Apoidea	Sphecidae	Crabroninae		Crab 5	8/12/2010	Gcfx	Garden	1	10	0.1
97	Apoidea	Sphecidae	Crabroninae		Crab 5	8/28/2010	U110	Lot	1	10	0.1
98	Apoidea	Sphecidae	Crabroninae		Crab 6	8/28/2010	U110	Lot	1	10	0.1
99	Apoidea	Sphecidae	Crabroninae		Crab 7	7/8/2010	Gcm	Garden	1	10	0.1
100	Apoidea	Sphecidae	Pemphredoninae		Pemphredoninae 1	7/2/2010	Gce	Garden	3	10	0.3
100	Apoidea	Sphecidae	Pemphredoninae		Pemphredoninae 1	8/29/2010	U108	Lot	1	1	1
101	Apoidea	Sphecidae	Pemphredoninae		Pemphredoninae 2	7/22/2010	Gclb	Garden	1	10	0.1
101	Apoidea	Sphecidae	Pemphredoninae		Pemphredoninae 2	8/29/2010	Gcsv	Garden	1	9	0.11
102	Apoidea	Sphecidae	Pemphredoninae		Pemphredoninae 3	7/22/2010	Gclb	Garden	1	10	0.1
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/29/2010	U106	Lot	19	10	1.9
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/29/2010	U108	Lot	16	1	16
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/29/2010	U107	Lot	14	10	1.4
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/28/2010	Gce	Garden	8	10	0.8
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	U109	Lot	7	8	0.88
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	6/13/2010	U106	Lot	6	10	0.6
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	Gcm	Garden	4	10	0.4
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	U108	Lot	4	5	0.8
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	6/13/2010	U111	Lot	4	10	0.4

103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/8/2010	Gcm	Garden	3	10	0.3
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/1/2010	U106	Lot	3	10	0.3
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	U110	Lot	3	10	0.3
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/2/2010	Gce	Garden	2	10	0.2
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	U106	Lot	2	10	0.2
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	6/13/2010	U108	Lot	2	9	0.22
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/12/2010	U109	Lot	2	8	0.25
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/28/2010	U110	Lot	2	10	0.2
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	Fg	Garden	1	10	0.1
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/12/2010	U106	Lot	1	9	0.11
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/1/2010	U107	Lot	1	8	0.13
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/28/2010	U110	Lot	1	10	0.1
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	U111	Lot	1	9	0.11
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	7/22/2010	U113	Lot	1	10	0.1
103	Apoidea	Sphecidae	Crabroninae	Trypoxylon	Trypoxylon 1	8/12/2010	U113	Lot	1	10	0.1
362	Cynipoidia	Cynipidae			Cynipidae 1	6/13/2010	Gcfx	Garden	1	10	0.1
363	Cynipoidia	Cynipidae			Cynipidae 2	6/13/2010	Gclb	Garden	1	10	0.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	6/13/2010	Gclb	Garden	29	10	2.9
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	Gce	Garden	21	8	2.63
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	Gcfx	Garden	11	10	1.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/12/2010	U109	Lot	7	8	0.88
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/29/2010	U108	Lot	6	1	6
104	Proctotrupoidea	Diapriidae			Diapriid 1	6/13/2010	Gcfx	Garden	4	10	0.4
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	Gclb	Garden	4	10	0.4
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	U109	Lot	4	8	0.5
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/26/2010	Gcm	Garden	3	10	0.3
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/30/2010	Gclb	Garden	3	10	0.3
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	Gcm	Garden	2	10	0.2
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/12/2010	Gcfx	Garden	2	10	0.2
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/12/2010	Gclb	Garden	2	10	0.2
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/29/2010	U106	Lot	2	10	0.2
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	U107	Lot	2	7	0.29
104	Proctotrupoidea	Diapriidae			Diapriid 1	6/13/2010	Gcsv	Garden	1	10	0.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/12/2010	Bpf	Garden	1	10	0.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/12/2010	Gcb	Garden	1	10	0.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/26/2010	Bpf	Garden	1	9	0.11
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/29/2010	Gcb	Garden	1	9	0.11
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/29/2010	Gcfx	Garden	1	2	0.5
104	Proctotrupoidea	Diapriidae			Diapriid 1	8/29/2010	Gcsv	Garden	1	9	0.11
104	Proctotrupoidea	Diapriidae			Diapriid 1	6/13/2010	U106	Lot	1	10	0.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	7/22/2010	U106	Lot	1	10	0.1
104	Proctotrupoidea	Diapriidae			Diapriid 1	6/13/2010	U109	Lot	1	10	0.1

104	Proctotrupeoidea	Diapriidae		Diapriid 1	6/13/2010	U110	Lot	1	10	0.1
104	Proctotrupeoidea	Diapriidae		Diapriid 1	7/22/2010	U110	Lot	1	10	0.1
104	Proctotrupeoidea	Diapriidae		Diapriid 1	7/22/2010	U111	Lot	1	9	0.11
104	Proctotrupeoidea	Diapriidae		Diapriid 1	8/26/2010	U111	Lot	1	10	0.1
105	Proctotrupeoidea	Diapriidae		Diapriid 10	6/14/2010	U113	Lot	10	10	1
105	Proctotrupeoidea	Diapriidae		Diapriid 10	6/13/2010	Gesv	Garden	6	10	0.6
105	Proctotrupeoidea	Diapriidae		Diapriid 10	6/13/2010	U106	Lot	1	10	0.1
105	Proctotrupeoidea	Diapriidae		Diapriid 10	7/22/2010	U111	Lot	1	9	0.11
106	Proctotrupeoidea	Diapriidae		Diapriid 11	6/13/2010	U108	Lot	6	9	0.67
106	Proctotrupeoidea	Diapriidae		Diapriid 11	7/1/2010	U107	Lot	4	8	0.5
107	Proctotrupeoidea	Diapriidae		Diapriid 12	7/13/2010	Gclb	Garden	11	10	1.1
107	Proctotrupeoidea	Diapriidae		Diapriid 12	6/13/2010	Gcfx	Garden	10	10	1
107	Proctotrupeoidea	Diapriidae		Diapriid 12	8/29/2010	U107	Lot	8	10	0.8
107	Proctotrupeoidea	Diapriidae		Diapriid 12	8/12/2010	U107	Lot	3	10	0.3
107	Proctotrupeoidea	Diapriidae		Diapriid 12	7/22/2010	Gclb	Garden	1	10	0.1
107	Proctotrupeoidea	Diapriidae		Diapriid 12	8/26/2010	Bpf	Garden	1	9	0.11
107	Proctotrupeoidea	Diapriidae		Diapriid 12	6/29/2010	U106	Lot	1	10	0.1
108	Proctotrupeoidea	Diapriidae		Diapriid 13	6/13/2010	U111	Lot	10	10	1
108	Proctotrupeoidea	Diapriidae		Diapriid 13	7/1/2010	U106	Lot	1	10	0.1
108	Proctotrupeoidea	Diapriidae		Diapriid 13	8/29/2010	U108	Lot	1	1	1
108	Proctotrupeoidea	Diapriidae		Diapriid 13	6/13/2010	U109	Lot	1	10	0.1
109	Proctotrupeoidea	Diapriidae		Diapriid 14	7/8/2010	U113	Lot	2	10	0.2
110	Proctotrupeoidea	Diapriidae		Diapriid 15	6/13/2010	U110	Lot	6	10	0.6
111	Proctotrupeoidea	Diapriidae		Diapriid 16	8/26/2010	U113	Lot	2	10	0.2
112	Proctotrupeoidea	Diapriidae		Diapriid 17	6/13/2010	Gcb	Garden	1	10	0.1
113	Proctotrupeoidea	Diapriidae		Diapriid 18	8/29/2010	U108	Lot	2	1	2
113	Proctotrupeoidea	Diapriidae		Diapriid 18	8/28/2010	Gce	Garden	1	10	0.1
114	Proctotrupeoidea	Diapriidae		Diapriid 19	7/22/2010	U109	Lot	3	8	0.38
114	Proctotrupeoidea	Diapriidae		Diapriid 19	8/26/2010	U113	Lot	2	10	0.2
114	Proctotrupeoidea	Diapriidae		Diapriid 19	7/22/2010	Gcfx	Garden	1	10	0.1
114	Proctotrupeoidea	Diapriidae		Diapriid 19	8/26/2010	Gcm	Garden	1	10	0.1
114	Proctotrupeoidea	Diapriidae		Diapriid 19	8/29/2010	Fg	Garden	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/22/2010	Gclb	Garden	31	10	3.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/12/2010	Gcfx	Garden	28	10	2.8
115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/22/2010	Gce	Garden	11	8	1.38
115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/22/2010	Gcm	Garden	8	10	0.8
115	Proctotrupeoidea	Diapriidae		Diapriid 2	6/13/2010	Gclb	Garden	5	10	0.5
115	Proctotrupeoidea	Diapriidae		Diapriid 2	6/13/2010	Gesv	Garden	4	10	0.4
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/29/2010	Gcb	Garden	4	9	0.44
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/30/2010	Gclb	Garden	4	10	0.4
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/12/2010	Gcb	Garden	3	10	0.3
115	Proctotrupeoidea	Diapriidae		Diapriid 2	6/13/2010	Gcfx	Garden	2	10	0.2

115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/22/2010	U111	Lot	2	9	0.22
115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/20/2010	Gcsv	Garden	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/22/2010	Gcfx	Garden	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	7/22/2010	Gcm	Garden	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/12/2010	Gclb	Garden	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/26/2010	Gcm	Garden	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/29/2010	Gcfx	Garden	1	2	0.5
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/29/2010	Gcsv	Garden	1	9	0.11
115	Proctotrupeoidea	Diapriidae		Diapriid 2	6/13/2010	U113	Lot	1	10	0.1
115	Proctotrupeoidea	Diapriidae		Diapriid 2	8/12/2010	U113	Lot	1	10	0.1
116	Proctotrupeoidea	Diapriidae		Diapriid 20	7/23/2010	U110	Lot	1	10	0.1
117	Proctotrupeoidea	Diapriidae		Diapriid 21	6/13/2010	Gclb	Garden	1	10	0.1
118	Proctotrupeoidea	Diapriidae		Diapriid 22	8/12/2010	Gcb	Garden	3	10	0.3
119	Proctotrupeoidea	Diapriidae		Diapriid 23	8/29/2010	U108	Lot	2	1	2
120	Proctotrupeoidea	Diapriidae		Diapriid 24	8/26/2010	Bpf	Garden	1	9	0.11
121	Proctotrupeoidea	Diapriidae		Diapriid 24	7/22/2010	U109	Lot	3	8	0.38
121	Proctotrupeoidea	Diapriidae		Diapriid 24	7/22/2010	U111	Lot	2	9	0.22
121	Proctotrupeoidea	Diapriidae		Diapriid 24	7/22/2010	Gclb	Garden	1	10	0.1
121	Proctotrupeoidea	Diapriidae		Diapriid 24	8/28/2010	Gce	Garden	1	10	0.1
122	Proctotrupeoidea	Diapriidae		Diapriid 25	8/12/2010	Gcm	Garden	1	8	0.13
122	Proctotrupeoidea	Diapriidae		Diapriid 25	8/12/2010	U107	Lot	1	10	0.1
123	Proctotrupeoidea	Diapriidae		Diapriid 26	8/12/2010	Gcfx	Garden	2	10	0.2
124	Proctotrupeoidea	Diapriidae		Diapriid 27	8/30/2010	Gclb	Garden	1	10	0.1
125	Proctotrupeoidea	Diapriidae		Diapriid 3	8/29/2010	U107	Lot	4	10	0.4
125	Proctotrupeoidea	Diapriidae		Diapriid 3	6/13/2010	Gcfx	Garden	3	10	0.3
125	Proctotrupeoidea	Diapriidae		Diapriid 3	6/26/2010	Gcm	Garden	3	10	0.3
125	Proctotrupeoidea	Diapriidae		Diapriid 3	7/22/2010	U108	Lot	2	5	0.4
125	Proctotrupeoidea	Diapriidae		Diapriid 3	6/13/2010	Gcsv	Garden	1	10	0.1
125	Proctotrupeoidea	Diapriidae		Diapriid 3	8/29/2010	Gcb	Garden	1	9	0.11
125	Proctotrupeoidea	Diapriidae		Diapriid 3	8/12/2010	U109	Lot	1	8	0.13
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/22/2010	Gcfx	Garden	11	10	1.1
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/22/2010	U109	Lot	6	8	0.75
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/22/2010	Gcfx	Garden	5	10	0.5
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/29/2010	U107	Lot	5	10	0.5
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/29/2010	U106	Lot	4	10	0.4
126	Proctotrupeoidea	Diapriidae		Diapriid 4	6/13/2010	Gcfx	Garden	3	10	0.3
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/12/2010	U106	Lot	3	9	0.33
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/28/2010	Gce	Garden	2	10	0.2
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/29/2010	U106	Lot	2	10	0.2
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/29/2010	U107	Lot	2	10	0.2
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/29/2010	U108	Lot	2	1	2
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/22/2010	U113	Lot	2	10	0.2

126	Proctotrupeoidea	Diapriidae		Diapriid 4	6/13/2010	Clf	Garden	1	5	0.2
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/22/2010	Gclb	Garden	1	10	0.1
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/26/2010	Bpf	Garden	1	9	0.11
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/26/2010	Gcm	Garden	1	10	0.1
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/1/2010	U107	Lot	1	8	0.13
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/12/2010	U107	Lot	1	10	0.1
126	Proctotrupeoidea	Diapriidae		Diapriid 4	8/29/2010	U108	Lot	1	1	1
126	Proctotrupeoidea	Diapriidae		Diapriid 4	7/22/2010	U109	Lot	1	8	0.13
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/29/2010	U107	Lot	11	10	1.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	8/28/2010	Gce	Garden	4	10	0.4
127	Proctotrupeoidea	Diapriidae		Diapriid 5	7/22/2010	U106	Lot	4	10	0.4
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U111	Lot	4	10	0.4
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	Gcsv	Garden	2	10	0.2
127	Proctotrupeoidea	Diapriidae		Diapriid 5	8/26/2010	Bpf	Garden	2	9	0.22
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U106	Lot	2	10	0.2
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U108	Lot	2	9	0.22
127	Proctotrupeoidea	Diapriidae		Diapriid 5	7/22/2010	U108	Lot	2	5	0.4
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	Gcfx	Garden	1	10	0.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	Gclb	Garden	1	10	0.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U106	Lot	1	10	0.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/29/2010	U106	Lot	1	10	0.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	8/12/2010	U106	Lot	1	9	0.11
127	Proctotrupeoidea	Diapriidae		Diapriid 5	7/22/2010	U107	Lot	1	7	0.14
127	Proctotrupeoidea	Diapriidae		Diapriid 5	7/22/2010	U109	Lot	1	8	0.13
127	Proctotrupeoidea	Diapriidae		Diapriid 5	7/22/2010	U109	Lot	1	8	0.13
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U110	Lot	1	10	0.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U113	Lot	1	10	0.1
127	Proctotrupeoidea	Diapriidae		Diapriid 5	6/13/2010	U113	Lot	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	7/22/2010	Gce	Garden	18	8	2.25
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/29/2010	U108	Lot	3	1	3
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/29/2010	U106	Lot	2	10	0.2
128	Proctotrupeoidea	Diapriidae		Diapriid 6	7/22/2010	Fg	Garden	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	7/22/2010	Gce	Garden	1	8	0.13
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/12/2010	Gcb	Garden	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/12/2010	Gcfx	Garden	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/12/2010	Gcm	Garden	1	8	0.13
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/26/2010	Gcm	Garden	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/28/2010	Gce	Garden	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/29/2010	U106	Lot	1	10	0.1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	8/29/2010	U108	Lot	1	1	1
128	Proctotrupeoidea	Diapriidae		Diapriid 6	7/22/2010	U109	Lot	1	8	0.13
129	Proctotrupeoidea	Diapriidae		Diapriid 7	8/12/2010	U108	Lot	2	10	0.2

129	Proctotrupeoidea	Diapriidae			Diapriid 7	8/26/2010	U113	Lot	2	10	0.2
129	Proctotrupeoidea	Diapriidae			Diapriid 7	8/12/2010	Bpf	Garden	1	10	0.1
129	Proctotrupeoidea	Diapriidae			Diapriid 7	8/26/2010	Gcm	Garden	1	10	0.1
129	Proctotrupeoidea	Diapriidae			Diapriid 7	8/29/2010	U106	Lot	1	10	0.1
129	Proctotrupeoidea	Diapriidae			Diapriid 7	6/13/2010	U108	Lot	1	9	0.11
129	Proctotrupeoidea	Diapriidae			Diapriid 7	8/12/2010	U108	Lot	1	10	0.1
129	Proctotrupeoidea	Diapriidae			Diapriid 7	6/13/2010	U111	Lot	1	10	0.1
130	Proctotrupeoidea	Diapriidae			Diapriid 8	8/26/2010	Gcm	Garden	3	10	0.3
130	Proctotrupeoidea	Diapriidae			Diapriid 8	6/29/2010	U107	Lot	2	10	0.2
130	Proctotrupeoidea	Diapriidae			Diapriid 8	8/26/2010	U113	Lot	2	10	0.2
130	Proctotrupeoidea	Diapriidae			Diapriid 8	6/13/2010	Gcfx	Garden	1	10	0.1
130	Proctotrupeoidea	Diapriidae			Diapriid 8	7/22/2010	Gclb	Garden	1	10	0.1
130	Proctotrupeoidea	Diapriidae			Diapriid 8	8/12/2010	Gcsv	Garden	1	10	0.1
130	Proctotrupeoidea	Diapriidae			Diapriid 8	8/26/2010	Bpf	Garden	1	9	0.11
130	Proctotrupeoidea	Diapriidae			Diapriid 8	8/26/2010	Bpf	Garden	1	9	0.11
130	Proctotrupeoidea	Diapriidae			Diapriid 8	8/28/2010	Gce	Garden	1	10	0.1
130	Proctotrupeoidea	Diapriidae			Diapriid 8	6/13/2010	U106	Lot	1	10	0.1
130	Proctotrupeoidea	Diapriidae			Diapriid 8	7/22/2010	U109	Lot	1	8	0.13
130	Proctotrupeoidea	Diapriidae			Diapriid 8	7/8/2010	U113	Lot	1	10	0.1
131	Proctotrupeoidea	Diapriidae			Diapriid 9	8/26/2010	Gcm	Garden	3	10	0.3
131	Proctotrupeoidea	Diapriidae			Diapriid 9	6/13/2010	Gcfx	Garden	1	10	0.1
131	Proctotrupeoidea	Diapriidae			Diapriid 9	6/13/2010	Gclb	Garden	1	10	0.1
131	Proctotrupeoidea	Diapriidae			Diapriid 9	7/22/2010	U107	Lot	1	7	0.14
131	Proctotrupeoidea	Diapriidae			Diapriid 9	7/22/2010	U109	Lot	1	8	0.13
131	Proctotrupeoidea	Diapriidae			Diapriid 9	7/22/2010	U113	Lot	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/22/2010	Gcfx	Garden	4	10	0.4
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/22/2010	U108	Lot	4	5	0.8
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	8/29/2010	U108	Lot	4	1	4
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/22/2010	U111	Lot	4	9	0.44
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	6/13/2010	Gcsv	Garden	2	10	0.2
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/22/2010	U113	Lot	2	10	0.2
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/2/2010	Gce	Garden	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/22/2010	Gcb	Garden	1	1	1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	8/12/2010	Gcb	Garden	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	8/12/2010	Gclb	Garden	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	6/13/2010	U106	Lot	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/1/2010	U106	Lot	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	6/29/2010	U107	Lot	1	8	0.13
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	8/12/2010	U108	Lot	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	8/28/2010	U109	Lot	1	9	0.11
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	7/22/2010	U110	Lot	1	10	0.1
132x	Proctotrupeoidea	Diapriidae			Diapriid Bad Sample	8/26/2010	U113	Lot	1	10	0.1

133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/29/2010	U106	Lot	3	10	0.3
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/22/2010	Gcfx	Garden	2	10	0.2
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/26/2010	Gcm	Garden	2	10	0.2
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/22/2010	U106	Lot	2	10	0.2
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/22/2010	U109	Lot	2	8	0.25
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	6/13/2010	Gcfx	Garden	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	6/13/2010	Gcsv	Garden	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/2/2010	Gce	Garden	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/22/2010	Gclb	Garden	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/12/2010	Gcm	Garden	1	8	0.13
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/26/2010	Bpf	Garden	1	9	0.11
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/28/2010	Gce	Garden	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/30/2010	Gclb	Garden	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/12/2010	U107	Lot	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/22/2010	U108	Lot	1	5	0.2
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	6/13/2010	U109	Lot	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	8/12/2010	U109	Lot	1	8	0.13
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	6/13/2010	U110	Lot	1	10	0.1
133x	Proctotrupeoidea	Diapriidae		Diapriid Unsorted Males	7/22/2010	U110	Lot	1	10	0.1
352	Chrysidoidea	Dryinidae		Dryinidae 1	6/13/2010	U111	Lot	6	10	0.6
352	Chrysidoidea	Dryinidae		Dryinidae 1	7/8/2010	Gcm	Garden	1	10	0.1
352	Chrysidoidea	Dryinidae		Dryinidae 1	7/1/2010	U106	Lot	1	10	0.1
352	Chrysidoidea	Dryinidae		Dryinidae 1	7/22/2010	U108	Lot	1	5	0.2
353	Chrysidoidea	Dryinidae		Dryinidae 2	8/29/2010	Fg	Garden	2	10	0.2
354	Chrysidoidea	Dryinidae		Dryinidae 3	6/13/2010	U106	Lot	1	10	0.1
355	Chrysidoidea	Dryinidae		Dryinidae 4	7/22/2010	U109	Lot	1	8	0.13
356	Chrysidoidea	Dryinidae		Dryinidae 5	7/13/2010	Clf	Garden	1	5	0.2
357	Chrysidoidea	Dryinidae		Dryinidae 6	7/22/2010	U106	Lot	1	10	0.1
358	Chrysidoidea	Dryinidae		Dryinidae Males	7/22/2010	Gclb	Garden	3	10	0.3
358	Chrysidoidea	Dryinidae		Dryinidae Males	7/22/2010	Gcm	Garden	2	10	0.2
358	Chrysidoidea	Dryinidae		Dryinidae Males	6/13/2010	Clf	Garden	1	5	0.2
358	Chrysidoidea	Dryinidae		Dryinidae Males	8/12/2010	Gcfx	Garden	1	10	0.1
358	Chrysidoidea	Dryinidae		Dryinidae Males	8/29/2010	Fg	Garden	1	10	0.1
358	Chrysidoidea	Dryinidae		Dryinidae Males	8/29/2010	U108	Lot	1	1	1
358	Chrysidoidea	Dryinidae		Dryinidae Males	6/13/2010	U110	Lot	1	10	0.1
358	Chrysidoidea	Dryinidae		Dryinidae Males	6/13/2010	U111	Lot	1	10	0.1
134	Chalcidoidea	Encyrtidae		Encyrtid 1	8/26/2010	U111	Lot	131	10	13.1
134	Chalcidoidea	Encyrtidae		Encyrtid 1	8/26/2010	Gcm	Garden	109	10	10.9
134	Chalcidoidea	Encyrtidae		Encyrtid 1	8/29/2010	U106	Lot	96	10	9.6
134	Chalcidoidea	Encyrtidae		Encyrtid 1	7/1/2010	U107	Lot	83	8	10.38
134	Chalcidoidea	Encyrtidae		Encyrtid 1	8/28/2010	U110	Lot	83	10	8.3
134	Chalcidoidea	Encyrtidae		Encyrtid 1	8/12/2010	U107	Lot	42	10	4.2

134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/26/2010	Bpf	Garden	30	9	3.33
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/29/2010	Fg	Garden	26	10	2.6
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/29/2010	U107	Lot	24	10	2.4
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/28/2010	U109	Lot	20	9	2.22
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	U111	Lot	20	9	2.22
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Gclb	Garden	19	10	1.9
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/29/2010	Gcsv	Garden	19	9	2.11
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/28/2010	Gce	Garden	18	10	1.8
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/8/2010	U113	Lot	17	10	1.7
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/26/2010	U113	Lot	14	10	1.4
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	U107	Lot	12	7	1.71
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/2/2010	Gce	Garden	8	10	0.8
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/30/2010	Gclb	Garden	8	10	0.8
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/1/2010	U106	Lot	8	10	0.8
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Fg	Garden	7	9	0.78
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Gclb	Garden	7	10	0.7
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Fg	Garden	5	10	0.5
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Gcb	Garden	5	10	0.5
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/29/2010	U108	Lot	5	1	5
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	U113	Lot	5	10	0.5
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	U109	Lot	4	8	0.5
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Gcfx	Garden	3	10	0.3
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Gcsv	Garden	3	10	0.3
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/29/2010	Gcfx	Garden	3	2	1.5
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	U106	Lot	3	9	0.33
134	Chalcidoidea	Encyrtidae			Encyrtid 1	6/13/2010	Gclb	Garden	2	10	0.2
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Bpf	Garden	2	10	0.2
134	Chalcidoidea	Encyrtidae			Encyrtid 1	6/13/2010	U110	Lot	2	10	0.2
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/2/2010	Fg	Garden	1	10	0.1
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Gcb	Garden	1	1	1
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Gce	Garden	1	8	0.13
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Gcfx	Garden	1	10	0.1
134	Chalcidoidea	Encyrtidae			Encyrtid 1	7/22/2010	Gcsv	Garden	1	9	0.11
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Bpf	Garden	1	10	0.1
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/12/2010	Gcm	Garden	1	8	0.13
134	Chalcidoidea	Encyrtidae			Encyrtid 1	8/29/2010	Gcb	Garden	1	9	0.11
134	Chalcidoidea	Encyrtidae			Encyrtid 1	6/29/2010	U107	Lot	1	10	0.1
134	Chalcidoidea	Encyrtidae			Encyrtid 1	6/13/2010	U111	Lot	1	10	0.1
135	Chalcidoidea	Eucharitidae	Pseudometagea	Pseudometagea Schqarzii (Ash)		6/29/2010	U107	Lot	15	10	1.5
135	Chalcidoidea	Eucharitidae	Pseudometagea	Pseudometagea Schqarzii (Ash)		6/29/2010	U106	Lot	7	10	0.7
135	Chalcidoidea	Eucharitidae	Pseudometagea	Pseudometagea Schqarzii (Ash)		6/13/2010	Gclb	Garden	6	10	0.6
135	Chalcidoidea	Eucharitidae	Pseudometagea	Pseudometagea Schqarzii (Ash)		7/22/2010	Bpf	Garden	5	10	0.5

135	Chalcidoidea	Eucharitidae		Pseudometagea	Pseudometagea Schqarzii (Ash)	6/13/2010	Gcb	Garden	3	10	0.3
135	Chalcidoidea	Eucharitidae		Pseudometagea	Pseudometagea Schqarzii (Ash)	6/13/2010	U106	Lot	2	10	0.2
135	Chalcidoidea	Eucharitidae		Pseudometagea	Pseudometagea Schqarzii (Ash)	6/13/2010	U110	Lot	2	10	0.2
136	Chalcidoidea	Eulophidae			Eulophid 1	8/29/2010	U107	Lot	2	10	0.2
136	Chalcidoidea	Eulophidae			Eulophid 1	8/29/2010	U106	Lot	1	10	0.1
136	Chalcidoidea	Eulophidae			Eulophid 1	7/1/2010	U107	Lot	1	8	0.13
136	Chalcidoidea	Eulophidae			Eulophid 1	6/13/2010	U113	Lot	1	10	0.1
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	8/28/2010	Gce	Garden	2	10	0.2
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	7/22/2010	U106	Lot	2	10	0.2
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	8/29/2010	U106	Lot	2	10	0.2
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	8/29/2010	U107	Lot	2	10	0.2
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	7/1/2010	U106	Lot	1	10	0.1
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	7/22/2010	U110	Lot	1	10	0.1
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	8/29/2010	U110	Lot	1	10	0.1
137	Chalcidoidea	Eulophidae		Chrysocaris	Entedominae	7/22/2010	U113	Lot	1	10	0.1
138	Chalcidoidea	Eulophidae			Eulophid 10	7/22/2010	Bpf	Garden	3	10	0.3
138	Chalcidoidea	Eulophidae			Eulophid 10	7/22/2010	U113	Lot	1	10	0.1
138	Chalcidoidea	Eulophidae			Eulophid 10	8/12/2010	U113	Lot	1	10	0.1
139	Chalcidoidea	Eulophidae			Eulophid 11	8/12/2010	U107	Lot	2	10	0.2
139	Chalcidoidea	Eulophidae			Eulophid 11	8/12/2010	Gcb	Garden	1	10	0.1
139	Chalcidoidea	Eulophidae			Eulophid 11	7/22/2010	U109	Lot	1	8	0.13
139	Chalcidoidea	Eulophidae			Eulophid 11	8/12/2010	U109	Lot	1	8	0.13
139	Chalcidoidea	Eulophidae			Eulophid 11	6/13/2010	U113	Lot	1	10	0.1
140	Chalcidoidea	Eulophidae			Eulophid 12	8/28/2010	Gce	Garden	1	10	0.1
141	Chalcidoidea	Eulophidae			Eulophid 13	7/22/2010	U106	Lot	1	10	0.1
142	Chalcidoidea	Eulophidae			Eulophid 14	7/22/2010	Gclb	Garden	1	10	0.1
143	Chalcidoidea	Eulophidae			Eulophid 15	7/22/2010	U108	Lot	1	5	0.2
144	Chalcidoidea	Eulophidae			Eulophid 16	7/22/2010	U113	Lot	1	10	0.1
145	Chalcidoidea	Eulophidae			Eulophid 17	8/26/2010	U113	Lot	1	10	0.1
146	Chalcidoidea	Eulophidae			Eulophid 18	7/22/2010	Gclb	Garden	1	10	0.1
147	Chalcidoidea	Eulophidae			Eulophid 19	6/13/2010	Gcb	Garden	1	10	0.1
147	Chalcidoidea	Eulophidae			Eulophid 19	6/13/2010	Gclb	Garden	1	10	0.1
147	Chalcidoidea	Eulophidae			Eulophid 19	6/29/2010	U107	Lot	1	10	0.1
148	Chalcidoidea	Eulophidae			Eulophid 2	7/22/2010	Bpf	Garden	1	10	0.1
149	Chalcidoidea	Eulophidae			Eulophid 20	7/22/2010	U109	Lot	1	8	0.13
149	Chalcidoidea	Eulophidae			Eulophid 20	8/12/2010	U113	Lot	1	10	0.1
150	Chalcidoidea	Eulophidae			Eulophid 3	7/22/2010	U109	Lot	1	8	0.13
151	Chalcidoidea	Eulophidae			Eulophid 4	7/8/2010	U113	Lot	1	10	0.1
152	Chalcidoidea	Eulophidae			Eulophid 5	8/12/2010	U113	Lot	3	10	0.3
153	Chalcidoidea	Eulophidae			Eulophid 6	7/22/2010	U106	Lot	2	10	0.2
153	Chalcidoidea	Eulophidae			Eulophid 6	6/13/2010	Gcfx	Garden	1	10	0.1
153	Chalcidoidea	Eulophidae			Eulophid 6	7/1/2010	U107	Lot	1	8	0.13

153	Chalcidoidea	Eulophidae			Eulophid 6	8/29/2010	U107	Lot	1	10	0.1
153	Chalcidoidea	Eulophidae			Eulophid 6	7/22/2010	U111	Lot	1	9	0.11
153	Chalcidoidea	Eulophidae			Eulophid 6	7/22/2010	U113	Lot	1	10	0.1
154	Chalcidoidea	Eulophidae			Eulophid 7	7/22/2010	U113	Lot	2	10	0.2
154	Chalcidoidea	Eulophidae			Eulophid 7	7/1/2010	U106	Lot	1	10	0.1
154	Chalcidoidea	Eulophidae			Eulophid 7	7/22/2010	U109	Lot	1	8	0.13
154	Chalcidoidea	Eulophidae			Eulophid 7	6/13/2010	U111	Lot	1	10	0.1
156	Chalcidoidea	Eulophidae			Eulophid 8	8/12/2010	Bpf	Garden	2	10	0.2
156	Chalcidoidea	Eulophidae			Eulophid 8	7/22/2010	U106	Lot	2	10	0.2
156	Chalcidoidea	Eulophidae			Eulophid 8	8/12/2010	U107	Lot	2	10	0.2
156	Chalcidoidea	Eulophidae			Eulophid 8	7/22/2010	Bpf	Garden	1	10	0.1
156	Chalcidoidea	Eulophidae			Eulophid 8	8/30/2010	Gclb	Garden	1	10	0.1
156	Chalcidoidea	Eulophidae			Eulophid 8	6/29/2010	U107	Lot	1	10	0.1
156	Chalcidoidea	Eulophidae			Eulophid 8	7/22/2010	U109	Lot	1	8	0.13
156	Chalcidoidea	Eulophidae			Eulophid 8	8/12/2010	U113	Lot	1	10	0.1
157	Chalcidoidea	Eulophidae			Eulophid 9	6/13/2010	U106	Lot	1	10	0.1
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	6/13/2010	Gefx	Garden	4	10	0.4
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	6/13/2010	Bpf	Garden	1	10	0.1
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	7/22/2010	Bpf	Garden	1	10	0.1
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	6/13/2010	U106	Lot	1	10	0.1
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	8/12/2010	U106	Lot	1	9	0.11
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	7/22/2010	U107	Lot	1	7	0.14
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	6/13/2010	U109	Lot	1	10	0.1
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	8/12/2010	U109	Lot	1	8	0.13
159	Chalcidoidea	Eulophidae		Pnigalio	Pignalio Eulophinae	8/12/2010	U113	Lot	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/26/2010	Bpf	Garden	4	9	0.44
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/29/2010	U107	Lot	4	10	0.4
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	7/22/2010	U113	Lot	4	10	0.4
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	7/22/2010	U109	Lot	3	8	0.38
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	7/22/2010	U106	Lot	2	10	0.2
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	6/13/2010	U108	Lot	2	9	0.22
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/29/2010	U108	Lot	2	1	2
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/12/2010	U109	Lot	2	8	0.25
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/28/2010	U109	Lot	2	9	0.22
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	7/22/2010	Gcm	Garden	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	7/22/2010	Gesv	Garden	1	9	0.11
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/12/2010	Fg	Garden	1	9	0.11
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/12/2010	Gcm	Garden	1	8	0.13
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/29/2010	Gcb	Garden	1	9	0.11
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	6/13/2010	U106	Lot	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/12/2010	U106	Lot	1	9	0.11
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/29/2010	U106	Lot	1	10	0.1

160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	6/13/2010	U110	Lot	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/28/2010	U110	Lot	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	6/13/2010	U111	Lot	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	6/13/2010	U113	Lot	1	10	0.1
160	Chalcidoidea	Eulophidae		Quadrastichus	Quadrastichus Tetrastichinae	8/12/2010	U113	Lot	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	8/28/2010	Gce	Garden	3	10	0.3
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	Gclb	Garden	2	10	0.2
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	6/29/2010	U106	Lot	2	10	0.2
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	U109	Lot	2	8	0.25
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	U113	Lot	2	10	0.2
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	6/13/2010	Gcfx	Garden	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	8/29/2010	Fg	Garden	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	8/29/2010	U106	Lot	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	U107	Lot	1	7	0.14
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	8/29/2010	U107	Lot	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	U108	Lot	1	5	0.2
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	8/29/2010	U108	Lot	1	1	1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	U110	Lot	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	8/28/2010	U110	Lot	1	10	0.1
158x	Chalcidoidea	Eulophidae			Eulophid Unsorted	7/22/2010	U111	Lot	1	9	0.11
161	Chalcidoidea	Eupelmidae			Eupelmid 3	6/13/2010	U106	Lot	1	10	0.1
162	Chalcidoidea	Eupelmidae			Eupelmid 4	7/1/2010	U106	Lot	1	10	0.1
163	Chalcidoidea	Eupelmidae			Eupelmid 2	8/29/2010	U106	Lot	1	10	0.1
163	Chalcidoidea	Eupelmidae			Eupelmid 2	7/22/2010	U109	Lot	1	8	0.13
163	Chalcidoidea	Eupelmidae			Eupelmid 2	7/22/2010	U111	Lot	1	9	0.11
164	Chalcidoidea	Eupelmidae			Eupelmid 1	8/12/2010	U107	Lot	1	10	0.1
164	Chalcidoidea	Eupelmidae			Eupelmid 1	8/29/2010	U108	Lot	1	1	1
365	Cynipoidea	Figitidae			Figitidae 1	6/29/2010	U107	Lot	2	10	0.2
365	Cynipoidea	Figitidae			Figitidae 1	7/1/2010	U107	Lot	1	8	0.13
365	Cynipoidea	Figitidae			Figitidae 1	7/1/2010	U107	Lot	1	8	0.13
365	Cynipoidea	Figitidae			Figitidae 1	8/12/2010	U107	Lot	1	10	0.1
366	Chalcidoidea	Figitidae	Charipidae		Charipidae 1	8/12/2010	Gcm	Garden	5	8	0.63
366	Chalcidoidea	Figitidae	Charipidae		Charipidae 1	7/22/2010	Fg	Garden	2	10	0.2
366	Chalcidoidea	Figitidae	Charipidae		Charipidae 1	7/22/2010	Gce	Garden	1	8	0.13
366	Chalcidoidea	Figitidae	Charipidae		Charipidae 1	8/26/2010	Gcm	Garden	1	10	0.1
367	Chalcidoidea	Figitidae	Charipidae		Charipidae 3	6/13/2010	U106	Lot	1	10	0.1
367	Chalcidoidea	Figitidae	Charipidae		Charipidae 3	7/22/2010	U109	Lot	1	8	0.13
368	Chalcidoidea	Figitidae	Charipidae		Charipidae 4	6/13/2010	U113	Lot	1	10	0.1
369	Chalcidoidea	Figitidae	Charipidae		Charipidae 5	7/22/2010	U106	Lot	3	10	0.3
369	Chalcidoidea	Figitidae	Charipidae		Charipidae 5	7/22/2010	Bpf	Garden	1	10	0.1
369	Cynipoidea	Figitidae	Eucoilidae		Eucoilidae 5	6/13/2010	Gclb	Garden	1	10	0.1
369	Cynipoidea	Figitidae	Eucoilidae		Eucoilidae 5	7/2/2010	Fg	Garden	1	10	0.1

369	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 5	7/22/2010	Bpf	Garden	1	10	0.1
369	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 5	7/22/2010	Gclb	Garden	1	10	0.1
369	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 5	8/29/2010	U108	Lot	1	1	1
370	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 6	7/22/2010	Gce	Garden	1	8	0.13
370	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 6	7/22/2010	Gclb	Garden	1	10	0.1
370	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 6	8/28/2010	Gce	Garden	1	10	0.1
371	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 7	8/30/2010	Gclb	Garden	1	10	0.1
372	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 8	7/22/2010	U107	Lot	2	7	0.29
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	8/26/2010	Gcm	Garden	7	10	0.7
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	6/13/2010	Gclb	Garden	2	10	0.2
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	8/26/2010	Bpf	Garden	2	9	0.22
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	7/22/2010	U113	Lot	2	10	0.2
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	7/22/2010	Fg	Garden	1	10	0.1
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	7/22/2010	Bpf	Garden	1	10	0.1
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	6/13/2010	U106	Lot	1	10	0.1
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	7/1/2010	U106	Lot	1	10	0.1
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	7/22/2010	U106	Lot	1	10	0.1
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	6/13/2010	U111	Lot	1	10	0.1
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	7/22/2010	U111	Lot	1	9	0.11
374	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 3	8/12/2010	U113	Lot	1	10	0.1
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/29/2010	U108	Lot	4	1	4
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/12/2010	U106	Lot	2	9	0.22
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/29/2010	U106	Lot	2	10	0.2
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	7/22/2010	U108	Lot	2	5	0.4
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	7/22/2010	U109	Lot	2	8	0.25
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/12/2010	U109	Lot	2	8	0.25
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/12/2010	Bpf	Garden	1	10	0.1
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/29/2010	Fg	Garden	1	10	0.1
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/29/2010	U107	Lot	1	10	0.1
375	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 4	8/26/2010	U113	Lot	1	10	0.1
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	6/13/2010	Gcfx	Garden	4	10	0.4
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	8/26/2010	Gcm	Garden	3	10	0.3
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	6/13/2010	U111	Lot	3	10	0.3
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	8/12/2010	Gcb	Garden	2	10	0.2
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	8/26/2010	Bpf	Garden	2	9	0.22
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	6/13/2010	U106	Lot	2	10	0.2
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	8/12/2010	U106	Lot	2	9	0.22
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	6/13/2010	U113	Lot	2	10	0.2
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	6/13/2010	Gclb	Garden	1	10	0.1
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	7/22/2010	Gcb	Garden	1	1	1
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	7/22/2010	Gcfx	Garden	1	10	0.1
377	Cynipoidia	Figitidae	Eucolidae		Eucoilidae 2	7/1/2010	U106	Lot	1	10	0.1

377	Cynipoidia	Figitidae	Eucolidae		Euclidae 2	7/22/2010	U106	Lot	1	10	0.1
377	Cynipoidia	Figitidae	Eucolidae		Euclidae 2	6/13/2010	U108	Lot	1	9	0.11
377	Cynipoidia	Figitidae	Eucolidae		Euclidae 2	6/13/2010	U109	Lot	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/26/2010	Bpf	Garden	14	9	1.56
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/26/2010	Gcm	Garden	12	10	1.2
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U109	Lot	7	8	0.88
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/29/2010	U108	Lot	6	1	6
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/12/2010	Gcb	Garden	5	10	0.5
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U108	Lot	5	5	1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	Gclb	Garden	4	10	0.4
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	U106	Lot	4	10	0.4
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/29/2010	U107	Lot	4	10	0.4
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	U113	Lot	4	10	0.4
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/12/2010	U113	Lot	4	10	0.4
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	Gcb	Garden	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/2/2010	Gce	Garden	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U106	Lot	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/29/2010	U106	Lot	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U107	Lot	3	7	0.43
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	U108	Lot	3	9	0.33
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U110	Lot	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/28/2010	U110	Lot	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	U111	Lot	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U113	Lot	3	10	0.3
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	Gclb	Garden	2	10	0.2
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/12/2010	Fg	Garden	2	9	0.22
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/12/2010	Gefx	Garden	2	10	0.2
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/28/2010	Gce	Garden	2	10	0.2
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/1/2010	U106	Lot	2	10	0.2
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/29/2010	U107	Lot	2	8	0.25
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	Bpf	Garden	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	Gefx	Garden	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/8/2010	Gcm	Garden	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	Bpf	Garden	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	Gce	Garden	1	8	0.13
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	Gefx	Garden	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/2/2010	Gcsv	Garden	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/29/2010	Gcsv	Garden	1	9	0.11
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/29/2010	U106	Lot	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/1/2010	U107	Lot	1	8	0.13
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/12/2010	U107	Lot	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	6/13/2010	U108	Lot	1	9	0.11

378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/12/2010	U109	Lot	1	8	0.13
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	7/22/2010	U111	Lot	1	9	0.11
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/26/2010	U111	Lot	1	10	0.1
378	Cynipoidia	Figitidae	Eucolidae		Eucolidae 1	8/26/2010	U113	Lot	1	10	0.1
373x	Cynipoidia	Figitidae	Eucolidae		Eucoilidae Bad Sample	8/26/2010	Gcm	Garden	2	10	0.2
373x	Cynipoidia	Figitidae	Eucolidae		Eucoilidae Bad Sample	6/13/2010	Gcsv	Garden	1	10	0.1
373x	Cynipoidia	Figitidae	Eucolidae		Eucoilidae Bad Sample	7/22/2010	Gce	Garden	1	8	0.13
373x	Cynipoidia	Figitidae	Eucolidae		Eucoilidae Bad Sample	8/12/2010	Fg	Garden	1	9	0.11
373x	Cynipoidia	Figitidae	Eucolidae		Eucoilidae Bad Sample	8/12/2010	Gcb	Garden	1	10	0.1
373x	Cynipoidia	Figitidae	Eucolidae		Eucoilidae Bad Sample	8/12/2010	U107	Lot	1	10	0.1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	7/22/2010	U109	Lot	3	8	0.38
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/26/2010	Gcm	Garden	2	10	0.2
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	6/13/2010	Gcb	Garden	1	10	0.1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/12/2010	Gcb	Garden	1	10	0.1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/28/2010	Gce	Garden	1	10	0.1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/29/2010	U106	Lot	1	10	0.1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/12/2010	U107	Lot	1	10	0.1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/29/2010	U108	Lot	1	1	1
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	7/22/2010	U111	Lot	1	9	0.11
376x	Cynipoidia	Figitidae	Eucolidae		Eucolidae Unsorted	8/26/2010	U113	Lot	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/1/2010	U106	Lot	6	10	0.6
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	8/29/2010	U108	Lot	5	1	5
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	6/13/2010	U111	Lot	5	10	0.5
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	6/13/2010	Bpf	Garden	3	10	0.3
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/1/2010	U107	Lot	2	8	0.25
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/22/2010	U113	Lot	2	10	0.2
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	8/12/2010	U113	Lot	2	10	0.2
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	6/13/2010	Gcfx	Garden	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	6/13/2010	Gclb	Garden	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/2/2010	Fg	Garden	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/22/2010	Bpf	Garden	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	8/26/2010	Bpf	Garden	1	9	0.11
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	8/29/2010	U106	Lot	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	6/29/2010	U107	Lot	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	8/29/2010	U107	Lot	1	10	0.1
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/22/2010	U109	Lot	1	8	0.13
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	8/12/2010	U109	Lot	1	8	0.13
182	Ichneumonoidea	Ichneumonidae			Ichneumonidae 1	7/8/2010	U113	Lot	1	10	0.1
183	Ichneumonoidea	Ichneumonidae			Ichneumonidae 10	6/13/2010	Gclb	Garden	1	10	0.1
183	Ichneumonoidea	Ichneumonidae			Ichneumonidae 10	6/13/2010	U111	Lot	1	10	0.1
184	Ichneumonoidea	Ichneumonidae			Ichneumonidae 11	6/13/2010	Gcfx	Garden	1	10	0.1
185	Ichneumonoidea	Ichneumonidae			Ichneumonidae 12	8/12/2010	U113	Lot	1	10	0.1

186	Ichneumonoidea	Ichneumonidae			Ichneumonidae 13	7/1/2010	U107	Lot	1	8	0.13
187	Ichneumonoidea	Ichneumonidae			Ichneumonidae 14	7/2/2010	Fg	Garden	1	10	0.1
188	Ichneumonoidea	Ichneumonidae			Ichneumonidae 15	6/13/2010	U106	Lot	1	10	0.1
188	Ichneumonoidea	Ichneumonidae			Ichneumonidae 15	6/13/2010	U110	Lot	1	10	0.1
189	Ichneumonoidea	Ichneumonidae			Ichneumonidae 16	6/13/2010	Clf	Garden	1	5	0.2
189	Ichneumonoidea	Ichneumonidae			Ichneumonidae 16	6/13/2010	U111	Lot	1	10	0.1
191	Ichneumonoidea	Ichneumonidae			Ichneumonidae 17	7/8/2010	Gcm	Garden	1	10	0.1
192	Ichneumonoidea	Ichneumonidae			Ichneumonidae 18	6/13/2010	U106	Lot	1	10	0.1
192	Ichneumonoidea	Ichneumonidae			Ichneumonidae 18	6/13/2010	U108	Lot	1	9	0.11
192	Ichneumonoidea	Ichneumonidae			Ichneumonidae 18	8/29/2010	U108	Lot	1	1	1
192	Ichneumonoidea	Ichneumonidae			Ichneumonidae 18	7/22/2010	U109	Lot	1	8	0.13
192	Ichneumonoidea	Ichneumonidae			Ichneumonidae 18	6/13/2010	U111	Lot	1	10	0.1
193	Ichneumonoidea	Ichneumonidae			Ichneumonidae 19	8/12/2010	U109	Lot	1	8	0.13
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	7/1/2010	U107	Lot	7	8	0.88
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	6/13/2010	U108	Lot	4	9	0.44
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	7/22/2010	U109	Lot	2	8	0.25
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	6/13/2010	U111	Lot	2	10	0.2
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	6/13/2010	Gcfx	Garden	1	10	0.1
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	6/13/2010	Gclb	Garden	1	10	0.1
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	6/13/2010	U106	Lot	1	10	0.1
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	8/29/2010	U106	Lot	1	10	0.1
194	Ichneumonoidea	Ichneumonidae			Ichneumonidae 2	6/13/2010	U109	Lot	1	10	0.1
195	Ichneumonoidea	Ichneumonidae			Ichneumonidae 20	7/22/2010	Fg	Garden	3	10	0.3
195	Ichneumonoidea	Ichneumonidae			Ichneumonidae 20	6/13/2010	U113	Lot	1	10	0.1
196	Ichneumonoidea	Ichneumonidae			Ichneumonidae 21	7/2/2010	Gce	Garden	1	10	0.1
196	Ichneumonoidea	Ichneumonidae			Ichneumonidae 21	7/22/2010	Gcfx	Garden	1	10	0.1
196	Ichneumonoidea	Ichneumonidae			Ichneumonidae 21	6/13/2010	U106	Lot	1	10	0.1
196	Ichneumonoidea	Ichneumonidae			Ichneumonidae 21	8/29/2010	U106	Lot	1	10	0.1
196	Ichneumonoidea	Ichneumonidae			Ichneumonidae 21	7/22/2010	U109	Lot	1	8	0.13
196	Ichneumonoidea	Ichneumonidae			Ichneumonidae 21	6/13/2010	U113	Lot	1	10	0.1
197	Ichneumonoidea	Ichneumonidae			Ichneumonidae 22	8/29/2010	U106	Lot	1	10	0.1
198	Ichneumonoidea	Ichneumonidae			Ichneumonidae 23	6/13/2010	U111	Lot	1	10	0.1
199	Ichneumonoidea	Ichneumonidae			Ichneumonidae 24	6/13/2010	U106	Lot	15	10	1.5
200	Ichneumonoidea	Ichneumonidae			Ichneumonidae 25	6/13/2010	Gcfx	Garden	1	10	0.1
200	Ichneumonoidea	Ichneumonidae			Ichneumonidae 25	8/12/2010	U106	Lot	1	9	0.11
201	Ichneumonoidea	Ichneumonidae			Ichneumonidae 26	6/13/2010	Gcfx	Garden	1	10	0.1
201	Ichneumonoidea	Ichneumonidae			Ichneumonidae 26	8/29/2010	U106	Lot	1	10	0.1
201	Ichneumonoidea	Ichneumonidae			Ichneumonidae 26	6/13/2010	U109	Lot	1	10	0.1
201	Ichneumonoidea	Ichneumonidae			Ichneumonidae 26	7/22/2010	U109	Lot	1	8	0.13
202	Ichneumonoidea	Ichneumonidae			Ichneumonidae 27	6/13/2010	Clf	Garden	1	5	0.2
203	Ichneumonoidea	Ichneumonidae			Ichneumonidae 28	8/28/2010	U110	Lot	1	10	0.1
204	Ichneumonoidea	Ichneumonidae			Ichneumonidae 29	7/1/2010	U106	Lot	1	10	0.1

204	Ichneumonoidea	Ichneumonidae		Ichneumonidae 29	6/13/2010	U113	Lot	1	10	0.1
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	6/13/2010	U111	Lot	4	10	0.4
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	7/22/2010	U107	Lot	2	7	0.29
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	6/13/2010	Clf	Garden	1	5	0.2
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	6/13/2010	U106	Lot	1	10	0.1
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	7/22/2010	U106	Lot	1	10	0.1
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	7/1/2010	U107	Lot	1	8	0.13
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	6/13/2010	U108	Lot	1	9	0.11
205	Ichneumonoidea	Ichneumonidae		Ichneumonidae 3	7/8/2010	U113	Lot	1	10	0.1
206	Ichneumonoidea	Ichneumonidae		Ichneumonidae 30	7/1/2010	U106	Lot	1	10	0.1
207	Ichneumonoidea	Ichneumonidae		Ichneumonidae 31	8/12/2010	Bpf	Garden	1	10	0.1
207	Ichneumonoidea	Ichneumonidae		Ichneumonidae 31	7/22/2010	U109	Lot	1	8	0.13
208	Ichneumonoidea	Ichneumonidae		Ichneumonidae 32	7/22/2010	Gcm	Garden	1	10	0.1
209	Ichneumonoidea	Ichneumonidae		Ichneumonidae 33	7/8/2010	Gcm	Garden	1	10	0.1
210	Ichneumonoidea	Ichneumonidae		Ichneumonidae 34	6/13/2010	U113	Lot	4	10	0.4
210	Ichneumonoidea	Ichneumonidae		Ichneumonidae 34	8/29/2010	U106	Lot	1	10	0.1
211	Ichneumonoidea	Ichneumonidae		Ichneumonidae 35	6/13/2010	U106	Lot	1	10	0.1
211	Ichneumonoidea	Ichneumonidae		Ichneumonidae 35	8/29/2010	U107	Lot	1	10	0.1
212	Ichneumonoidea	Ichneumonidae		Ichneumonidae 4	7/22/2010	U109	Lot	6	8	0.75
212	Ichneumonoidea	Ichneumonidae		Ichneumonidae 4	8/29/2010	U108	Lot	2	1	2
212	Ichneumonoidea	Ichneumonidae		Ichneumonidae 4	7/22/2010	Gcm	Garden	1	10	0.1
212	Ichneumonoidea	Ichneumonidae		Ichneumonidae 4	6/13/2010	U108	Lot	1	9	0.11
212	Ichneumonoidea	Ichneumonidae		Ichneumonidae 4	7/22/2010	U108	Lot	1	5	0.2
213	Ichneumonoidea	Ichneumonidae		Ichneumonidae 5	8/29/2010	U106	Lot	1	10	0.1
214	Ichneumonoidea	Ichneumonidae		Ichneumonidae 6	8/29/2010	U106	Lot	1	10	0.1
215	Ichneumonoidea	Ichneumonidae		Ichneumonidae 7	8/29/2010	U108	Lot	1	1	1
216	Ichneumonoidea	Ichneumonidae		Ichneumonidae 8	7/22/2010	Bpf	Garden	2	10	0.2
216	Ichneumonoidea	Ichneumonidae		Ichneumonidae 8	8/29/2010	U108	Lot	1	1	1
217	Ichneumonoidea	Ichneumonidae		Ichneumonidae 9	8/12/2010	U106	Lot	2	9	0.22
181x	Ichneumonoidea	Ichneumonidae		Ich Undetermined	6/13/2010	U110	Lot	2	10	0.2
181x	Ichneumonoidea	Ichneumonidae		Ich Undetermined	7/22/2010	Fg	Garden	1	10	0.1
181x	Ichneumonoidea	Ichneumonidae		Ich Undetermined	8/26/2010	Bpf	Garden	1	9	0.11
181x	Ichneumonoidea	Ichneumonidae		Ich Undetermined	6/13/2010	U111	Lot	1	10	0.1
181x	Ichneumonoidea	Ichneumonidae		Ich Undetermined	6/13/2010	U111	Lot	1	10	0.1
218	Ceraphronoidea	Megaspilidae		Mega 1	6/13/2010	Clf	Garden	1	5	0.2
219	Ceraphronoidea	Megaspilidae		Mega 2	6/13/2010	Gclb	Garden	1	10	0.1
220	Ceraphronoidea	Megaspilidae		Mega 3	7/22/2010	U108	Lot	1	5	0.2
221	Chalcidoidea	Mymaridae		Mymarid 1	8/12/2010	Bpf	Garden	4	10	0.4
221	Chalcidoidea	Mymaridae		Mymarid 1	8/12/2010	U107	Lot	3	10	0.3
221	Chalcidoidea	Mymaridae		Mymarid 1	8/29/2010	Fg	Garden	2	10	0.2
221	Chalcidoidea	Mymaridae		Mymarid 1	6/13/2010	Gcb	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae		Mymarid 1	6/13/2010	Gclb	Garden	1	10	0.1

221	Chalcidoidea	Mymaridae			Mymarid 1	6/13/2010	Gcsv	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	7/22/2010	Fg	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	7/22/2010	Gcfx	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	7/22/2010	Gclb	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	8/12/2010	Gcb	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	8/12/2010	Gcfx	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	8/12/2010	Gcsv	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	8/28/2010	Gce	Garden	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	6/13/2010	U106	Lot	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	8/29/2010	U106	Lot	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	7/2/2010	U107	Lot	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	7/22/2010	U109	Lot	1	8	0.13
221	Chalcidoidea	Mymaridae			Mymarid 1	8/12/2010	U109	Lot	1	8	0.13
221	Chalcidoidea	Mymaridae			Mymarid 1	6/13/2010	U111	Lot	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	6/13/2010	U113	Lot	1	10	0.1
221	Chalcidoidea	Mymaridae			Mymarid 1	8/26/2010	U113	Lot	1	10	0.1
222	Chalcidoidea	Mymaridae			Mymarid 10	8/29/2010	Fg	Garden	1	10	0.1
223	Chalcidoidea	Mymaridae			Mymarid 11	8/26/2010	U113	Lot	1	10	0.1
224	Chalcidoidea	Mymaridae			Mymarid 12	7/1/2010	U106	Lot	1	10	0.1
225	Chalcidoidea	Mymaridae			Mymarid 13	6/13/2010	U108	Lot	2	9	0.22
226	Chalcidoidea	Mymaridae			Mymarid 14	6/13/2010	Clf	Garden	1	5	0.2
226	Chalcidoidea	Mymaridae			Mymarid 14	6/13/2010	Gcb	Garden	1	10	0.1
227	Chalcidoidea	Mymaridae			Mymarid 15	6/13/2010	U108	Lot	1	9	0.11
228	Chalcidoidea	Mymaridae			Mymarid 16	6/13/2010	Gcb	Garden	1	10	0.1
229	Chalcidoidea	Mymaridae			Mymarid 2	7/1/2010	U106	Lot	2	10	0.2
229	Chalcidoidea	Mymaridae			Mymarid 2	7/1/2010	U107	Lot	2	8	0.25
229	Chalcidoidea	Mymaridae			Mymarid 2	6/13/2010	U108	Lot	2	9	0.22
229	Chalcidoidea	Mymaridae			Mymarid 2	7/22/2010	U109	Lot	2	8	0.25
229	Chalcidoidea	Mymaridae			Mymarid 2	6/13/2010	Gcfx	Garden	1	10	0.1
229	Chalcidoidea	Mymaridae			Mymarid 2	6/13/2010	Gcfx	Garden	1	10	0.1
229	Chalcidoidea	Mymaridae			Mymarid 2	8/12/2010	Gclb	Garden	1	10	0.1
229	Chalcidoidea	Mymaridae			Mymarid 2	8/29/2010	Gcsv	Garden	1	9	0.11
229	Chalcidoidea	Mymaridae			Mymarid 2	6/13/2010	U106	Lot	1	10	0.1
229	Chalcidoidea	Mymaridae			Mymarid 2	8/12/2010	U106	Lot	1	9	0.11
229	Chalcidoidea	Mymaridae			Mymarid 2	7/22/2010	U107	Lot	1	7	0.14
229	Chalcidoidea	Mymaridae			Mymarid 2	6/13/2010	U109	Lot	1	10	0.1
229	Chalcidoidea	Mymaridae			Mymarid 2	6/13/2010	U113	Lot	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	8/26/2010	U113	Lot	5	10	0.5
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	U106	Lot	4	10	0.4
230	Chalcidoidea	Mymaridae			Mymarid 3	8/29/2010	U108	Lot	4	1	4
230	Chalcidoidea	Mymaridae			Mymarid 3	6/29/2010	U106	Lot	3	10	0.3
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	U109	Lot	3	8	0.38

230	Chalcidoidea	Mymaridae			Mymarid 3	6/13/2010	U110	Lot	3	10	0.3
230	Chalcidoidea	Mymaridae			Mymarid 3	6/13/2010	U113	Lot	3	10	0.3
230	Chalcidoidea	Mymaridae			Mymarid 3	8/12/2010	U109	Lot	2	8	0.25
230	Chalcidoidea	Mymaridae			Mymarid 3	8/26/2010	U111	Lot	2	10	0.2
230	Chalcidoidea	Mymaridae			Mymarid 3	7/8/2010	Gcm	Garden	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	Bpf	Garden	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	Gcb	Garden	1	1	1
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	Gcsv	Garden	1	9	0.11
230	Chalcidoidea	Mymaridae			Mymarid 3	8/12/2010	Gclb	Garden	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	8/26/2010	Gcm	Garden	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	8/28/2010	Gce	Garden	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	8/12/2010	U106	Lot	1	9	0.11
230	Chalcidoidea	Mymaridae			Mymarid 3	8/12/2010	U107	Lot	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	8/28/2010	U110	Lot	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	U111	Lot	1	9	0.11
230	Chalcidoidea	Mymaridae			Mymarid 3	7/22/2010	U113	Lot	1	10	0.1
230	Chalcidoidea	Mymaridae			Mymarid 3	8/12/2010	U113	Lot	1	10	0.1
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U109	Lot	10	8	1.25
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	Gefx	Garden	5	10	0.5
231	Chalcidoidea	Mymaridae			Mymarid 4	6/13/2010	U108	Lot	5	9	0.56
231	Chalcidoidea	Mymaridae			Mymarid 4	8/12/2010	U113	Lot	4	10	0.4
231	Chalcidoidea	Mymaridae			Mymarid 4	8/26/2010	U113	Lot	4	10	0.4
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U111	Lot	3	9	0.33
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	Bpf	Garden	2	10	0.2
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U106	Lot	2	10	0.2
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U108	Lot	2	5	0.4
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U110	Lot	2	10	0.2
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U113	Lot	2	10	0.2
231	Chalcidoidea	Mymaridae			Mymarid 4	6/13/2010	Gcb	Garden	1	10	0.1
231	Chalcidoidea	Mymaridae			Mymarid 4	7/8/2010	Gcm	Garden	1	10	0.1
231	Chalcidoidea	Mymaridae			Mymarid 4	8/12/2010	Fg	Garden	1	9	0.11
231	Chalcidoidea	Mymaridae			Mymarid 4	6/13/2010	U106	Lot	1	10	0.1
231	Chalcidoidea	Mymaridae			Mymarid 4	8/12/2010	U106	Lot	1	9	0.11
231	Chalcidoidea	Mymaridae			Mymarid 4	7/22/2010	U107	Lot	1	7	0.14
231	Chalcidoidea	Mymaridae			Mymarid 4	6/13/2010	U109	Lot	1	10	0.1
231	Chalcidoidea	Mymaridae			Mymarid 4	6/13/2010	U110	Lot	1	10	0.1
231	Chalcidoidea	Mymaridae			Mymarid 4	8/12/2010	U111	Lot	1	1	1
232	Chalcidoidea	Mymaridae			Mymarid 5	8/29/2010	U107	Lot	6	10	0.6
232	Chalcidoidea	Mymaridae			Mymarid 5	8/12/2010	U107	Lot	2	10	0.2
232	Chalcidoidea	Mymaridae			Mymarid 5	7/22/2010	Gclb	Garden	1	10	0.1
232	Chalcidoidea	Mymaridae			Mymarid 5	8/12/2010	Bpf	Garden	1	10	0.1
232	Chalcidoidea	Mymaridae			Mymarid 5	8/29/2010	Gcsv	Garden	1	9	0.11

232	Chalcidoidea	Mymaridae			Mymarid 5	6/13/2010	U106	Lot	1	10	0.1
232	Chalcidoidea	Mymaridae			Mymarid 5	7/22/2010	U113	Lot	1	10	0.1
233	Chalcidoidea	Mymaridae			Mymarid 6	8/28/2010	Gce	Garden	6	10	0.6
233	Chalcidoidea	Mymaridae			Mymarid 6	8/26/2010	Gcm	Garden	4	10	0.4
233	Chalcidoidea	Mymaridae			Mymarid 6	8/29/2010	U106	Lot	3	10	0.3
233	Chalcidoidea	Mymaridae			Mymarid 6	7/22/2010	U113	Lot	3	10	0.3
233	Chalcidoidea	Mymaridae			Mymarid 6	6/13/2010	Gcsv	Garden	2	10	0.2
233	Chalcidoidea	Mymaridae			Mymarid 6	8/12/2010	Gcfx	Garden	2	10	0.2
233	Chalcidoidea	Mymaridae			Mymarid 6	8/29/2010	Gcfx	Garden	2	2	1
233	Chalcidoidea	Mymaridae			Mymarid 6	7/22/2010	U107	Lot	2	7	0.29
233	Chalcidoidea	Mymaridae			Mymarid 6	8/29/2010	U108	Lot	2	1	2
233	Chalcidoidea	Mymaridae			Mymarid 6	6/13/2010	Clf	Garden	1	5	0.2
233	Chalcidoidea	Mymaridae			Mymarid 6	6/13/2010	Gcfx	Garden	1	10	0.1
233	Chalcidoidea	Mymaridae			Mymarid 6	7/22/2010	Bpf	Garden	1	10	0.1
233	Chalcidoidea	Mymaridae			Mymarid 6	7/22/2010	Fg	Garden	1	10	0.1
233	Chalcidoidea	Mymaridae			Mymarid 6	7/22/2010	Gcsv	Garden	1	9	0.11
233	Chalcidoidea	Mymaridae			Mymarid 6	8/12/2010	Gcm	Garden	1	8	0.13
233	Chalcidoidea	Mymaridae			Mymarid 6	8/26/2010	Bpf	Garden	1	9	0.11
233	Chalcidoidea	Mymaridae			Mymarid 6	8/30/2010	Gclb	Garden	1	10	0.1
233	Chalcidoidea	Mymaridae			Mymarid 6	8/12/2010	U106	Lot	1	9	0.11
233	Chalcidoidea	Mymaridae			Mymarid 6	7/1/2010	U107	Lot	1	8	0.13
233	Chalcidoidea	Mymaridae			Mymarid 6	7/22/2010	U108	Lot	1	5	0.2
233	Chalcidoidea	Mymaridae			Mymarid 6	8/12/2010	U109	Lot	1	8	0.13
233	Chalcidoidea	Mymaridae			Mymarid 6	8/12/2010	U113	Lot	1	10	0.1
234	Chalcidoidea	Mymaridae			Mymarid 7	6/13/2010	Gcfx	Garden	2	10	0.2
234	Chalcidoidea	Mymaridae			Mymarid 7	8/26/2010	U111	Lot	1	10	0.1
235	Chalcidoidea	Mymaridae			Mymarid 8	6/13/2010	Gcsv	Garden	3	10	0.3
235	Chalcidoidea	Mymaridae			Mymarid 8	6/13/2010	U106	Lot	3	10	0.3
235	Chalcidoidea	Mymaridae			Mymarid 8	7/1/2010	U106	Lot	2	10	0.2
235	Chalcidoidea	Mymaridae			Mymarid 8	6/13/2010	Gcb	Garden	1	10	0.1
235	Chalcidoidea	Mymaridae			Mymarid 8	6/13/2010	Gcfx	Garden	1	10	0.1
235	Chalcidoidea	Mymaridae			Mymarid 8	8/26/2010	Bpf	Garden	1	9	0.11
235	Chalcidoidea	Mymaridae			Mymarid 8	7/22/2010	U113	Lot	1	10	0.1
236	Chalcidoidea	Mymaridae			Mymarid 9	7/22/2010	Gclb	Garden	84	10	8.4
236	Chalcidoidea	Mymaridae			Mymarid 9	7/22/2010	Bpf	Garden	18	10	1.8
236	Chalcidoidea	Mymaridae			Mymarid 9	7/22/2010	Gcfx	Garden	12	10	1.2
236	Chalcidoidea	Mymaridae			Mymarid 9	7/22/2010	Gcsv	Garden	9	9	1
236	Chalcidoidea	Mymaridae			Mymarid 9	7/22/2010	Gcb	Garden	3	1	3
236	Chalcidoidea	Mymaridae			Mymarid 9	6/13/2010	Gclb	Garden	2	10	0.2
236	Chalcidoidea	Mymaridae			Mymarid 9	6/13/2010	Gcfx	Garden	1	10	0.1
236	Chalcidoidea	Mymaridae			Mymarid 9	6/13/2010	Gcsv	Garden	1	10	0.1
236	Chalcidoidea	Mymaridae			Mymarid 9	8/12/2010	Gcfx	Garden	1	10	0.1

236	Chalcidoidea	Mymaridae		Mymarid 9	8/29/2010	Bpf	Garden	1	10	0.1
236	Chalcidoidea	Mymaridae		Mymarid 9	6/13/2010	U106	Lot	1	10	0.1
236	Chalcidoidea	Mymaridae		Mymarid 9	7/1/2010	U106	Lot	1	10	0.1
236	Chalcidoidea	Mymaridae		Mymarid 9	7/22/2010	U106	Lot	1	10	0.1
236	Chalcidoidea	Mymaridae		Mymarid 9	8/26/2010	U113	Lot	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/22/2010	U110	Lot	6	10	0.6
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/22/2010	Gefx	Garden	4	10	0.4
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	6/13/2010	Gcb	Garden	3	10	0.3
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	6/13/2010	Gclb	Garden	3	10	0.3
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/22/2010	U113	Lot	3	10	0.3
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	8/28/2010	U110	Lot	2	10	0.2
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	8/26/2010	U113	Lot	2	10	0.2
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	6/13/2010	Gefx	Garden	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	6/13/2010	Gcsv	Garden	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/2/2010	Fg	Garden	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/22/2010	Bpf	Garden	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	8/12/2010	Gefx	Garden	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	8/26/2010	Gcm	Garden	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	6/13/2010	U106	Lot	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/1/2010	U107	Lot	1	8	0.13
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	8/12/2010	U107	Lot	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	8/29/2010	U108	Lot	1	1	1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	6/13/2010	U109	Lot	1	10	0.1
237x	Chalcidoidea	Mymaridae		Mymarid Bad Sample	7/8/2010	U113	Lot	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	6/13/2010	Gcsv	Garden	2	10	0.2
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/12/2010	Gcm	Garden	2	8	0.25
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	6/13/2010	Clf	Garden	1	5	0.2
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	6/13/2010	Gcb	Garden	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	6/13/2010	Gefx	Garden	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/12/2010	Bpf	Garden	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/29/2010	Fg	Garden	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/24/2010	U108	Lot	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	7/22/2010	U109	Lot	1	8	0.13
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/12/2010	U109	Lot	1	8	0.13
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	6/13/2010	U110	Lot	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/26/2010	U111	Lot	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/12/2010	U113	Lot	1	10	0.1
238x	Chalcidoidea	Mymaridae		Mymarid Unsorted Males	8/26/2010	U113	Lot	1	10	0.1
239	Apoidea	Sphecidae	Pempredoninae	Pemp 1	6/13/2010	Gefx	Garden	1	10	0.1
239	Apoidea	Sphecidae	Pempredoninae	Pemp 1	7/22/2010	Fg	Garden	1	10	0.1
239	Apoidea	Sphecidae	Pempredoninae	Pemp 1	7/22/2010	Gefx	Garden	1	10	0.1
239	Apoidea	Sphecidae	Pempredoninae	Pemp 1	8/12/2010	Bpf	Garden	1	10	0.1

239	Apooidea	Sphecidae	Pempredoninae		Pemp 1	6/13/2010	U106	Lot	1	10	0.1
239	Apooidea	Sphecidae	Pempredoninae		Pemp 1	8/29/2010	U107	Lot	1	10	0.1
240	Apooidea	Sphecidae	Pempredoninae		Pemp 2	6/13/2010	U106	Lot	1	10	0.1
240	Apooidea	Sphecidae	Pempredoninae		Pemp 2	7/22/2010	U106	Lot	1	10	0.1
240	Apooidea	Sphecidae	Pempredoninae		Pemp 2	8/29/2010	U106	Lot	1	10	0.1
240	Apooidea	Sphecidae	Pempredoninae		Pemp 2	7/22/2010	U108	Lot	1	5	0.2
241	Apooidea	Sphecidae	Pempredoninae		Pemp 3	7/22/2010	Gclb	Garden	1	10	0.1
242	Apooidea	Sphecidae	Pempredoninae		Pemp 4	8/12/2010	Gcb	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	7/22/2010	Gcfx	Garden	88	10	8.8
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/29/2010	Gcfx	Garden	14	2	7
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/26/2010	Gcm	Garden	8	10	0.8
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/28/2010	U110	Lot	5	10	0.5
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/12/2010	Gcm	Garden	4	8	0.5
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	6/13/2010	Gcfx	Garden	3	10	0.3
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/29/2010	U108	Lot	3	1	3
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/12/2010	Bpf	Garden	2	10	0.2
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	6/13/2010	Gcsv	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	7/22/2010	Gclb	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/12/2010	Gcb	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/12/2010	Gce	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/12/2010	Gcfx	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/26/2010	Bpf	Garden	1	9	0.11
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/28/2010	Gce	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/29/2010	Fg	Garden	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/12/2010	U107	Lot	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/29/2010	U107	Lot	1	10	0.1
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	7/22/2010	U108	Lot	1	5	0.2
245	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 1	8/28/2010	U109	Lot	1	9	0.11
246	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 10	8/12/2010	U113	Lot	1	10	0.1
247	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 11	7/22/2010	U109	Lot	1	8	0.13
248	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 12	6/13/2010	U106	Lot	1	10	0.1
248	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 12	7/22/2010	U110	Lot	1	10	0.1
248	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 12	8/12/2010	U113	Lot	1	10	0.1
249	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 13	6/13/2010	Gcb	Garden	2	10	0.2
249	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 13	6/13/2010	Gcfx	Garden	1	10	0.1
249	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 13	8/12/2010	Fg	Garden	1	9	0.11
249	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 13	7/22/2010	U109	Lot	1	8	0.13
250	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 14	6/13/2010	Gclb	Garden	2	10	0.2
250	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 14	7/22/2010	U109	Lot	1	8	0.13
250	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 14	7/27/2010	U109	Lot	1	1	1
250	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 14	6/13/2010	U113	Lot	1	10	0.1
251	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 15	8/12/2010	U107	Lot	1	10	0.1

251	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 15	7/22/2010	U109	Lot	1	8	0.13
251	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 15	8/12/2010	U109	Lot	1	8	0.13
252	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 16	6/13/2010	U110	Lot	1	10	0.1
253	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 17	7/22/2010	U109	Lot	2	8	0.25
253	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 17	6/13/2010	U106	Lot	1	10	0.1
253	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 17	8/29/2010	U106	Lot	1	10	0.1
253	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 17	7/22/2010	U108	Lot	1	5	0.2
254	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 18	7/22/2010	Gclb	Garden	1	10	0.1
255	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 19	7/1/2010	U107	Lot	1	8	0.13
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	U109	Lot	11	8	1.38
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/29/2010	Gcfx	Garden	6	2	3
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/29/2010	Gcsv	Garden	4	9	0.44
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/12/2010	U109	Lot	4	8	0.5
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	Gcfx	Garden	3	10	0.3
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/28/2010	Gce	Garden	3	10	0.3
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	U108	Lot	3	5	0.6
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/28/2010	U110	Lot	3	10	0.3
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/12/2010	Gcfx	Garden	2	10	0.2
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	U106	Lot	2	10	0.2
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	Bpf	Garden	1	10	0.1
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	Gclb	Garden	1	10	0.1
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	7/22/2010	Gcsv	Garden	1	9	0.11
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/12/2010	Gcb	Garden	1	10	0.1
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/12/2010	U106	Lot	1	9	0.11
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/12/2010	U107	Lot	1	10	0.1
256	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 2	8/29/2010	U108	Lot	1	1	1
257	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 20	8/28/2010	U109	Lot	1	9	0.11
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/29/2010	Fg	Garden	8	10	0.8
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	U108	Lot	7	5	1.4
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	U111	Lot	7	10	0.7
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	Clf	Garden	5	5	1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	Fg	Garden	5	10	0.5
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	Bpf	Garden	4	10	0.4
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/12/2010	Bpf	Garden	4	10	0.4
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/12/2010	Gcm	Garden	4	8	0.5
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	U109	Lot	4	8	0.5
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/29/2010	U107	Lot	3	10	0.3
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	U110	Lot	3	10	0.3
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	U111	Lot	3	9	0.33
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	Gcb	Garden	2	10	0.2
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/26/2010	Bpf	Garden	2	9	0.22
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	U106	Lot	2	10	0.2

258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/12/2010	U107	Lot	2	10	0.2
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	U109	Lot	2	10	0.2
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/8/2010	U113	Lot	2	10	0.2
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	Gclb	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	Gcsv	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/2/2010	Fg	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	Gclb	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	Gclb	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	Gcm	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	Gcsv	Garden	1	9	0.11
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/26/2010	Gcm	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	8/28/2010	Gce	Garden	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/1/2010	U107	Lot	1	8	0.13
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	U107	Lot	1	7	0.14
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	U110	Lot	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	6/13/2010	U113	Lot	1	10	0.1
258	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 3	7/22/2010	U113	Lot	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	U109	Lot	12	8	1.5
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	U110	Lot	10	10	1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	8/26/2010	Bpf	Garden	6	9	0.67
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	Bpf	Garden	5	10	0.5
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	U111	Lot	3	9	0.33
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	U108	Lot	2	5	0.4
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	8/28/2010	U110	Lot	2	10	0.2
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	6/13/2010	U111	Lot	2	10	0.2
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	6/13/2010	Gcfx	Garden	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	Fg	Garden	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	7/22/2010	Gce	Garden	1	8	0.13
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	8/29/2010	Fg	Garden	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	8/12/2010	U106	Lot	1	9	0.11
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	8/29/2010	U106	Lot	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	6/29/2010	U107	Lot	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	6/13/2010	U109	Lot	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	6/13/2010	U110	Lot	1	10	0.1
259	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 4	6/13/2010	U113	Lot	1	10	0.1
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	Gclb	Garden	21	10	2.1
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/26/2010	U111	Lot	6	10	0.6
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	Gcfx	Garden	3	10	0.3
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/12/2010	Gcm	Garden	3	8	0.38
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/26/2010	Bpf	Garden	3	9	0.33
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/28/2010	U110	Lot	3	10	0.3
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/12/2010	Bpf	Garden	2	10	0.2

260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/12/2010	Gclb	Garden	2	10	0.2
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/28/2010	Gce	Garden	2	10	0.2
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/29/2010	U108	Lot	2	1	2
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	6/13/2010	Gcfx	Garden	1	10	0.1
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/2/2010	Fg	Garden	1	10	0.1
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/26/2010	Gcm	Garden	1	10	0.1
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	U107	Lot	1	7	0.14
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	6/13/2010	U108	Lot	1	9	0.11
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	U109	Lot	1	8	0.13
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	U109	Lot	1	8	0.13
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	U110	Lot	1	10	0.1
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	7/22/2010	U111	Lot	1	9	0.11
260	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 5	8/12/2010	U113	Lot	1	10	0.1
261	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 7	8/12/2010	Gcfx	Garden	1	10	0.1
261	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 7	8/29/2010	Gcfx	Garden	1	2	0.5
262	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 8	8/29/2010	U108	Lot	1	1	1
263	Platygastroidea	Platygastridae		Scelioninae	P.Scelion 9	7/22/2010	U113	Lot	1	10	0.1
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	Bpf	Garden	176	10	17.6
264	Platygastroidea	Platygastridae			Platygastrid 1	8/26/2010	Bpf	Garden	49	9	5.44
264	Platygastroidea	Platygastridae			Platygastrid 1	8/26/2010	Gcm	Garden	28	10	2.8
264	Platygastroidea	Platygastridae			Platygastrid 1	8/12/2010	Gcb	Garden	15	10	1.5
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	Gclb	Garden	13	10	1.3
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	Gcfx	Garden	11	10	1.1
264	Platygastroidea	Platygastridae			Platygastrid 1	8/26/2010	U113	Lot	11	10	1.1
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	Gcb	Garden	10	1	10
264	Platygastroidea	Platygastridae			Platygastrid 1	8/12/2010	Gclb	Garden	10	10	1
264	Platygastroidea	Platygastridae			Platygastrid 1	8/12/2010	Gcm	Garden	9	8	1.13
264	Platygastroidea	Platygastridae			Platygastrid 1	8/28/2010	U110	Lot	8	10	0.8
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	U113	Lot	8	10	0.8
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	Bpf	Garden	6	10	0.6
264	Platygastroidea	Platygastridae			Platygastrid 1	7/2/2010	Gce	Garden	5	10	0.5
264	Platygastroidea	Platygastridae			Platygastrid 1	8/28/2010	Gce	Garden	5	10	0.5
264	Platygastroidea	Platygastridae			Platygastrid 1	8/29/2010	Gcsv	Garden	5	9	0.56
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	U110	Lot	5	10	0.5
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	Gcfx	Garden	4	10	0.4
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	Gcm	Garden	4	10	0.4
264	Platygastroidea	Platygastridae			Platygastrid 1	8/29/2010	Gcfx	Garden	4	2	2
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	Gcb	Garden	3	10	0.3
264	Platygastroidea	Platygastridae			Platygastrid 1	8/12/2010	Gcsv	Garden	3	10	0.3
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	U106	Lot	3	10	0.3
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	Gcsv	Garden	2	9	0.22
264	Platygastroidea	Platygastridae			Platygastrid 1	8/29/2010	Fg	Garden	2	10	0.2

264	Platygastroidea	Platygastridae			Platygastrid 1	8/29/2010	U106	Lot	2	10	0.2
264	Platygastroidea	Platygastridae			Platygastrid 1	7/1/2010	U107	Lot	2	8	0.25
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	U107	Lot	2	7	0.29
264	Platygastroidea	Platygastridae			Platygastrid 1	8/26/2010	U111	Lot	2	10	0.2
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	Gclb	Garden	1	10	0.1
264	Platygastroidea	Platygastridae			Platygastrid 1	8/29/2010	U108	Lot	1	1	1
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	U109	Lot	1	8	0.13
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	U110	Lot	1	10	0.1
264	Platygastroidea	Platygastridae			Platygastrid 1	6/13/2010	U111	Lot	1	10	0.1
264	Platygastroidea	Platygastridae			Platygastrid 1	7/22/2010	U111	Lot	1	9	0.11
264	Platygastroidea	Platygastridae			Platygastrid 1	8/12/2010	U113	Lot	1	10	0.1
265	Platygastroidea	Platygastridae			Platygastrid 10	8/29/2010	U106	Lot	1	10	0.1
266	Platygastroidea	Platygastridae			Platygastrid 11	6/13/2010	Gcsv	Garden	2	10	0.2
266	Platygastroidea	Platygastridae			Platygastrid 11	8/29/2010	U107	Lot	1	10	0.1
267	Platygastroidea	Platygastridae			Platygastrid 12	7/22/2010	U109	Lot	1	8	0.13
268	Platygastroidea	Platygastridae			Platygastrid 13	6/13/2010	U108	Lot	1	9	0.11
269	Platygastroidea	Platygastridae			Platygastrid 14	7/22/2010	U107	Lot	2	7	0.29
269	Platygastroidea	Platygastridae			Platygastrid 14	8/26/2010	Bpf	Garden	1	9	0.11
269	Platygastroidea	Platygastridae			Platygastrid 14	6/13/2010	U108	Lot	1	9	0.11
270	Platygastroidea	Platygastridae			Platygastrid 2	8/29/2010	U107	Lot	16	10	1.6
270	Platygastroidea	Platygastridae			Platygastrid 2	8/12/2010	Gcb	Garden	6	10	0.6
270	Platygastroidea	Platygastridae			Platygastrid 2	8/28/2010	Gce	Garden	6	10	0.6
270	Platygastroidea	Platygastridae			Platygastrid 2	8/12/2010	U107	Lot	4	10	0.4
270	Platygastroidea	Platygastridae			Platygastrid 2	8/12/2010	U113	Lot	4	10	0.4
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	Gcsv	Garden	3	9	0.33
270	Platygastroidea	Platygastridae			Platygastrid 2	8/28/2010	U110	Lot	3	10	0.3
270	Platygastroidea	Platygastridae			Platygastrid 2	8/26/2010	U111	Lot	3	10	0.3
270	Platygastroidea	Platygastridae			Platygastrid 2	6/13/2010	U113	Lot	3	10	0.3
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	Fg	Garden	2	10	0.2
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	Gce	Garden	2	8	0.25
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	Gclb	Garden	2	10	0.2
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	U106	Lot	2	10	0.2
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	U107	Lot	2	7	0.29
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	U109	Lot	2	8	0.25
270	Platygastroidea	Platygastridae			Platygastrid 2	8/28/2010	U109	Lot	2	9	0.22
270	Platygastroidea	Platygastridae			Platygastrid 2	6/13/2010	U110	Lot	2	10	0.2
270	Platygastroidea	Platygastridae			Platygastrid 2	6/13/2010	Gcfx	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	6/13/2010	Gclb	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	7/2/2010	Gce	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	7/8/2010	Gcm	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	Bpf	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	7/22/2010	Gcm	Garden	1	10	0.1

270	Platygastroidea	Platygastridae			Platygastrid 2	8/12/2010	Gcm	Garden	1	8	0.13
270	Platygastroidea	Platygastridae			Platygastrid 2	8/26/2010	Bpf	Garden	1	9	0.11
270	Platygastroidea	Platygastridae			Platygastrid 2	8/26/2010	Gcm	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	8/29/2010	Fg	Garden	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	8/29/2010	Gcb	Garden	1	9	0.11
270	Platygastroidea	Platygastridae			Platygastrid 2	6/13/2010	U106	Lot	1	10	0.1
270	Platygastroidea	Platygastridae			Platygastrid 2	8/29/2010	U108	Lot	1	1	1
270	Platygastroidea	Platygastridae			Platygastrid 2	8/12/2010	U109	Lot	1	8	0.13
271	Platygastroidea	Platygastridae			Platygastrid 3	8/29/2010	U108	Lot	26	1	26
271	Platygastroidea	Platygastridae			Platygastrid 3	8/29/2010	U107	Lot	24	10	2.4
271	Platygastroidea	Platygastridae			Platygastrid 3	8/12/2010	Bpf	Garden	3	10	0.3
271	Platygastroidea	Platygastridae			Platygastrid 3	6/13/2010	U108	Lot	3	9	0.33
271	Platygastroidea	Platygastridae			Platygastrid 3	8/28/2010	U109	Lot	3	9	0.33
271	Platygastroidea	Platygastridae			Platygastrid 3	6/13/2010	U113	Lot	3	10	0.3
271	Platygastroidea	Platygastridae			Platygastrid 3	8/26/2010	U113	Lot	3	10	0.3
271	Platygastroidea	Platygastridae			Platygastrid 3	6/13/2010	Gcfx	Garden	2	10	0.2
271	Platygastroidea	Platygastridae			Platygastrid 3	8/26/2010	Bpf	Garden	2	9	0.22
271	Platygastroidea	Platygastridae			Platygastrid 3	7/22/2010	U106	Lot	2	10	0.2
271	Platygastroidea	Platygastridae			Platygastrid 3	7/22/2010	U107	Lot	2	7	0.29
271	Platygastroidea	Platygastridae			Platygastrid 3	6/13/2010	Clf	Garden	1	5	0.2
271	Platygastroidea	Platygastridae			Platygastrid 3	6/13/2010	Gclb	Garden	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	7/22/2010	Fg	Garden	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	8/12/2010	Gcb	Garden	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	8/29/2010	Gcsv	Garden	1	9	0.11
271	Platygastroidea	Platygastridae			Platygastrid 3	6/13/2010	U106	Lot	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	8/12/2010	U106	Lot	1	9	0.11
271	Platygastroidea	Platygastridae			Platygastrid 3	6/29/2010	U107	Lot	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	7/1/2010	U107	Lot	1	8	0.13
271	Platygastroidea	Platygastridae			Platygastrid 3	8/12/2010	U107	Lot	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	7/22/2010	U110	Lot	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	8/26/2010	U111	Lot	1	10	0.1
271	Platygastroidea	Platygastridae			Platygastrid 3	8/12/2010	U113	Lot	1	10	0.1
272	Platygastroidea	Platygastridae			Platygastrid 4	6/13/2010	U109	Lot	3	10	0.3
272	Platygastroidea	Platygastridae			Platygastrid 4	6/13/2010	U110	Lot	3	10	0.3
272	Platygastroidea	Platygastridae			Platygastrid 4	6/13/2010	Clf	Garden	2	5	0.4
272	Platygastroidea	Platygastridae			Platygastrid 4	6/13/2010	U106	Lot	2	10	0.2
272	Platygastroidea	Platygastridae			Platygastrid 4	8/12/2010	U107	Lot	2	10	0.2
272	Platygastroidea	Platygastridae			Platygastrid 4	7/22/2010	U110	Lot	2	10	0.2
272	Platygastroidea	Platygastridae			Platygastrid 4	6/13/2010	Gclb	Garden	1	10	0.1
272	Platygastroidea	Platygastridae			Platygastrid 4	6/13/2010	Gcsv	Garden	1	10	0.1
272	Platygastroidea	Platygastridae			Platygastrid 4	7/22/2010	Bpf	Garden	1	10	0.1
272	Platygastroidea	Platygastridae			Platygastrid 4	8/26/2010	Bpf	Garden	1	9	0.11

272	Platygastroidea	Platygastridae			Platygastrid 4	7/1/2010	U106	Lot	1	10	0.1
272	Platygastroidea	Platygastridae			Platygastrid 4	7/22/2010	U106	Lot	1	10	0.1
272	Platygastroidea	Platygastridae			Platygastrid 4	8/28/2010	U109	Lot	1	9	0.11
272	Platygastroidea	Platygastridae			Platygastrid 4	7/22/2010	U113	Lot	1	10	0.1
273	Platygastroidea	Platygastridae			Platygastrid 5	8/12/2010	U113	Lot	3	10	0.3
273	Platygastroidea	Platygastridae			Platygastrid 5	8/29/2010	U106	Lot	2	10	0.2
273	Platygastroidea	Platygastridae			Platygastrid 5	7/1/2010	U106	Lot	1	10	0.1
273	Platygastroidea	Platygastridae			Platygastrid 5	8/29/2010	U108	Lot	1	1	1
274	Platygastroidea	Platygastridae			Platygastrid 6	8/26/2010	Bpf	Garden	1	9	0.11
274	Platygastroidea	Platygastridae			Platygastrid 6	8/29/2010	Gcsv	Garden	1	9	0.11
275	Platygastroidea	Platygastridae			Platygastrid 7	8/12/2010	Bpf	Garden	1	10	0.1
275	Platygastroidea	Platygastridae			Platygastrid 7	6/13/2010	U110	Lot	1	10	0.1
276	Platygastroidea	Platygastridae			Platygastrid 8	7/22/2010	U106	Lot	3	10	0.3
276	Platygastroidea	Platygastridae			Platygastrid 8	8/26/2010	Gcm	Garden	1	10	0.1
276	Platygastroidea	Platygastridae			Platygastrid 8	8/29/2010	U106	Lot	1	10	0.1
276	Platygastroidea	Platygastridae			Platygastrid 8	6/29/2010	U107	Lot	1	10	0.1
276	Platygastroidea	Platygastridae			Platygastrid 8	8/12/2010	U109	Lot	1	8	0.13
277	Platygastroidea	Platygastridae			Platygastrid 9	7/22/2010	U106	Lot	1	10	0.1
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	7/22/2010	Gcfx	Garden	4	10	0.4	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	7/22/2010	U108	Lot	4	5	0.8	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	7/22/2010	Bpf	Garden	2	10	0.2	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	6/13/2010	Gcb	Garden	1	10	0.1	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	7/22/2010	Gcm	Garden	1	10	0.1	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	6/29/2010	U107	Lot	1	8	0.13	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	8/29/2010	U108	Lot	1	1	1	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	7/22/2010	U109	Lot	1	8	0.13	
243x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted	7/22/2010	U110	Lot	1	10	0.1	
244x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted Males	7/22/2010	U111	Lot	1	9	0.11	
244x	Platygastroidea	Platygastridae	Scelioninae	P. Scelioninae Unsorted Males	8/12/2010	U113	Lot	1	10	0.1	
278	Vespoidea	Pompilidae	Argidae	Arg 1	8/12/2010	Fg	Garden	6	9	0.67	
278	Vespoidea	Pompilidae	Argidae	Arg 1	7/22/2010	Fg	Garden	3	10	0.3	
278	Vespoidea	Pompilidae	Argidae	Arg 1	8/29/2010	U107	Lot	3	10	0.3	
278	Vespoidea	Pompilidae	Argidae	Arg 1	6/13/2010	Bpf	Garden	1	10	0.1	
278	Vespoidea	Pompilidae	Argidae	Arg 1	8/12/2010	Gcm	Garden	1	8	0.13	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	8/29/2010	U106	Lot	8	10	0.8	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	6/13/2010	Clf	Garden	3	5	0.6	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	6/13/2010	Gcfx	Garden	3	10	0.3	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	7/22/2010	U106	Lot	2	10	0.2	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	8/29/2010	U107	Lot	2	10	0.2	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	7/22/2010	U109	Lot	2	8	0.25	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	7/8/2010	Gcm	Garden	1	10	0.1	
279	Vespoidea	Pompilidae	Ceropalinae	Cero 1	6/13/2010	U106	Lot	1	10	0.1	

279	Vespoidea	Pompilidae		Ceropalinae	Cero 1	8/29/2010	U108	Lot	1	1	1
279	Vespoidea	Pompilidae		Ceropalinae	Cero 1	8/12/2010	U109	Lot	1	8	0.13
279	Vespoidea	Pompilidae		Ceropalinae	Cero 1	6/13/2010	U111	Lot	1	10	0.1
279	Vespoidea	Pompilidae		Ceropalinae	Cero 1	7/22/2010	U111	Lot	1	9	0.11
279	Vespoidea	Pompilidae		Ceropalinae	Cero 1	6/13/2010	U113	Lot	1	10	0.1
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	8/29/2010	U107	Lot	8	10	0.8
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	7/22/2010	Fg	Garden	4	10	0.4
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	8/12/2010	Fg	Garden	4	9	0.44
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	8/29/2010	Gcsv	Garden	3	9	0.33
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	7/22/2010	Gclb	Garden	2	10	0.2
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	8/12/2010	Bpf	Garden	2	10	0.2
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	6/13/2010	Gcfx	Garden	1	10	0.1
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	7/12/2010	Fg	Garden	1	10	0.1
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	7/22/2010	Gcfx	Garden	1	10	0.1
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	7/22/2010	Gcm	Garden	1	10	0.1
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	8/26/2010	Bpf	Garden	1	9	0.11
280	Vespoidea	Pompilidae		Ceropalinae	Cero 2	8/29/2010	U106	Lot	1	10	0.1
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	6/13/2010	U113	Lot	3	10	0.3
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	7/22/2010	U109	Lot	2	8	0.25
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	6/13/2010	Gcfx	Garden	1	10	0.1
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	7/1/2010	Gce	Garden	1	10	0.1
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	8/26/2010	Bpf	Garden	1	9	0.11
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	8/29/2010	U108	Lot	1	1	1
281	Vespoidea	Pompilidae		Ceropalinae	Cero 3	6/13/2010	U109	Lot	1	10	0.1
282	Vespoidea	Pompilidae		Pepsinae	Peps 1	8/29/2010	Fg	Garden	1	10	0.1
282	Vespoidea	Pompilidae		Pepsinae	Peps 1	6/13/2010	U106	Lot	1	10	0.1
282	Vespoidea	Pompilidae		Pepsinae	Peps 1	6/13/2010	U109	Lot	1	10	0.1
282	Vespoidea	Pompilidae		Pepsinae	Peps 1	8/29/2010	U111	Lot	1	10	0.1
283	Vespoidea	Pompilidae		Pepsinae	Peps 2	8/12/2010	Gcfx	Garden	1	10	0.1
283	Vespoidea	Pompilidae		Pepsinae	Peps 2	8/29/2010	U108	Lot	1	1	1
283	Vespoidea	Pompilidae		Pepsinae	Peps 2	7/22/2010	U109	Lot	1	8	0.13
283	Vespoidea	Pompilidae		Pepsinae	Peps 2	6/13/2010	U113	Lot	1	10	0.1
284	Vespoidea	Pompilidae		Pepsinae	Peps 3	7/22/2010	Gclb	Garden	1	10	0.1
285	Vespoidea	Pompilidae		Pergidae	Pergidae 1	6/13/2010	Clf	Garden	1	5	0.2
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	7/22/2010	U106	Lot	3	10	0.3
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	7/22/2010	U109	Lot	3	8	0.38
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	8/12/2010	U106	Lot	2	9	0.22
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	8/29/2010	U107	Lot	2	10	0.2
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	6/13/2010	Gcfx	Garden	1	10	0.1
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	7/1/2010	U106	Lot	1	10	0.1
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	8/29/2010	U106	Lot	1	10	0.1
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	7/1/2010	U107	Lot	1	8	0.13

286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	8/12/2010	U107	Lot	1	10	0.1
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	7/22/2010	U108	Lot	1	5	0.2
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	8/29/2010	U108	Lot	1	1	1
286	Vespoidea	Pompilidae		Pompilid	Pompilid 1	7/22/2010	U110	Lot	1	10	0.1
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	8/12/2010	Gcm	Garden	4	8	0.5
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	7/8/2010	Gcm	Garden	3	10	0.3
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	8/12/2010	U109	Lot	2	8	0.25
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	7/22/2010	Gcm	Garden	1	10	0.1
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	8/12/2010	Gcfx	Garden	1	10	0.1
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	8/28/2010	Gce	Garden	1	10	0.1
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	6/13/2010	U109	Lot	1	10	0.1
287	Vespoidea	Pompilidae		Pompilid	Pompilid 2	6/13/2010	U113	Lot	1	10	0.1
288	Vespoidea	Pompilidae		Pompilid	Pompilid 3	7/22/2010	U110	Lot	2	10	0.2
288	Vespoidea	Pompilidae		Pompilid	Pompilid 3	7/22/2010	Gcm	Garden	1	10	0.1
288	Vespoidea	Pompilidae		Pompilid	Pompilid 3	7/22/2010	U111	Lot	1	9	0.11
289	Vespoidea	Pompilidae		Pompilid	Pompilid 4	8/28/2010	U110	Lot	1	10	0.1
290	Vespoidea	Pompilidae		Pompilid	Pompilid 5	7/22/2010	U109	Lot	2	8	0.25
291	Vespoidea	Pompilidae		Pompilid	Pompilid 6	8/28/2010	Gce	Garden	2	10	0.2
291	Vespoidea	Pompilidae		Pompilid	Pompilid 6	8/12/2010	Bpf	Garden	1	10	0.1
292	Vespoidea	Pompilidae		Pompilid	Pompilid 7	6/13/2010	Gcfx	Garden	2	10	0.2
292	Vespoidea	Pompilidae		Pompilid	Pompilid 7	8/29/2010	U106	Lot	2	10	0.2
292	Vespoidea	Pompilidae		Pompilid	Pompilid 7	8/29/2010	U107	Lot	1	10	0.1
292	Vespoidea	Pompilidae		Pompilid	Pompilid 7	8/29/2010	U108	Lot	1	1	1
293	Vespoidea	Pompilidae		Pompilid	Pompilid 8	8/12/2010	Gcfx	Garden	1	10	0.1
296	Vespoidea	Pompilidae		Scoliidae	Scoliidae 1	7/22/2010	U109	Lot	1	8	0.13
297	Vespoidea	Pompilidae		Tentredinidae	Tent 1	7/1/2010	U107	Lot	6	8	0.75
297	Vespoidea	Pompilidae		Tentredinidae	Tent 1	6/29/2010	U107	Lot	1	10	0.1
298	Vespoidea	Pompilidae		Tentredinidae	Tent 2	6/13/2010	Gcsv	Garden	1	10	0.1
299	Vespoidea	Pompilidae		Tentredinidae	Tent 3	8/12/2010	U113	Lot	1	10	0.1
300	Vespoidea	Pompilidae		Tentredinidae	Tent 4	6/13/2010	U106	Lot	1	10	0.1
294x	Vespoidea	Pompilidae			Pompilid Bad Sample	7/22/2010	Gcm	Garden	1	10	0.1
294x	Vespoidea	Pompilidae			Pompilid Bad Sample	7/22/2010	U110	Lot	1	10	0.1
295x	Vespoidea	Pompilidae			Pompilid Unsorted	6/13/2010	U113	Lot	2	10	0.2
295x	Vespoidea	Pompilidae			Pompilid Unsorted	8/26/2010	Gcm	Garden	1	10	0.1
295x	Vespoidea	Pompilidae			Pompilid Unsorted	6/13/2010	U106	Lot	1	10	0.1
295x	Vespoidea	Pompilidae			Pompilid Unsorted	7/22/2010	U106	Lot	1	10	0.1
295x	Vespoidea	Pompilidae			Pompilid Unsorted	8/12/2010	U106	Lot	1	9	0.11
295x	Vespoidea	Pompilidae			Pompilid Unsorted	8/29/2010	U107	Lot	1	10	0.1
295x	Vespoidea	Pompilidae			Pompilid Unsorted	6/13/2010	U108	Lot	1	9	0.11
295x	Vespoidea	Pompilidae			Pompilid Unsorted	7/22/2010	U109	Lot	1	8	0.13
295x	Vespoidea	Pompilidae			Pompilid Unsorted	7/22/2010	U109	Lot	1	8	0.13
295x	Vespoidea	Pompilidae			Pompilid Unsorted	6/13/2010	U111	Lot	1	10	0.1

295x	Vespoidea	Pompilidae			Pompilid Unsorted	6/13/2010	U111	Lot	1	10	0.1
295x	Vespoidea	Pompilidae			Pompilid Unsorted	8/12/2010	U113	Lot	1	10	0.1
301	Proctotrupeidea	Proctotrupidae		Proctotrupidae	Proctotrupidae 3	8/28/2010	Gce	Garden	1	10	0.1
302	Proctotrupeidea	Proctotrupidae		Proctotrupidae	Proctotrupidae 2	6/13/2010	Gcfx	Garden	1	10	0.1
303	Proctotrupeidea	Proctotrupidae		Proctotrupidae	Proctotrupidae 1	7/22/2010	U108	Lot	5	5	1
303	Proctotrupeidea	Proctotrupidae		Proctotrupidae	Proctotrupidae 1	7/22/2010	U106	Lot	1	10	0.1
304	Chalcidoidea	Pteromalidae		Spalangia	P. Spalangia 29	8/12/2010	Gcb	Garden	2	10	0.2
304	Chalcidoidea	Pteromalidae		Spalangia	P. Spalangia 29	7/22/2010	Gce	Garden	1	8	0.13
304	Chalcidoidea	Pteromalidae		Spalangia	P. Spalangia 29	7/22/2010	Gcfx	Garden	1	10	0.1
304	Chalcidoidea	Pteromalidae		Spalangia	P. Spalangia 29	8/12/2010	Gcfx	Garden	1	10	0.1
305	Chalcidoidea	Pteromalidae		Spalangia	P. Spalangia 30	7/22/2010	U108	Lot	1	5	0.2
306	Chalcidoidea	Pteromalidae		Spalangia	P. Spalangia 31	6/13/2010	Gcfx	Garden	1	10	0.1
307	Chalcidoidea	Pteromalidae			Pteromalid 1	8/12/2010	Gcb	Garden	3	10	0.3
307	Chalcidoidea	Pteromalidae			Pteromalid 1	6/29/2010	U107	Lot	1	10	0.1
308	Chalcidoidea	Pteromalidae			Pteromalid 10	7/22/2010	Gclb	Garden	1	10	0.1
308	Chalcidoidea	Pteromalidae			Pteromalid 10	7/22/2010	U110	Lot	1	10	0.1
309	Chalcidoidea	Pteromalidae			Pteromalid 11	6/29/2010	U107	Lot	1	10	0.1
310	Chalcidoidea	Pteromalidae			Pteromalid 12	7/8/2010	Gcm	Garden	1	10	0.1
310	Chalcidoidea	Pteromalidae			Pteromalid 12	7/22/2010	U109	Lot	1	8	0.13
311	Chalcidoidea	Pteromalidae			Pteromalid 13	6/13/2010	Clf	Garden	1	5	0.2
311	Chalcidoidea	Pteromalidae			Pteromalid 13	8/26/2010	U113	Lot	1	10	0.1
312	Chalcidoidea	Pteromalidae			Pteromalid 14	7/22/2010	Bpf	Garden	2	10	0.2
312	Chalcidoidea	Pteromalidae			Pteromalid 14	6/13/2010	Bpf	Garden	1	10	0.1
312	Chalcidoidea	Pteromalidae			Pteromalid 14	7/2/2010	Fg	Garden	1	10	0.1
312	Chalcidoidea	Pteromalidae			Pteromalid 14	7/22/2010	Gcm	Garden	1	10	0.1
312	Chalcidoidea	Pteromalidae			Pteromalid 14	6/29/2010	U107	Lot	1	10	0.1
313	Chalcidoidea	Pteromalidae			Pteromalid 15	7/22/2010	U109	Lot	1	8	0.13
314	Chalcidoidea	Pteromalidae			Pteromalid 16	7/22/2010	Bpf	Garden	1	10	0.1
315	Chalcidoidea	Pteromalidae			Pteromalid 17	6/29/2010	U107	Lot	1	10	0.1
315	Chalcidoidea	Pteromalidae			Pteromalid 17	7/1/2010	U107	Lot	1	8	0.13
316	Chalcidoidea	Pteromalidae			Pteromalid 18	6/13/2010	U106	Lot	1	10	0.1
316	Chalcidoidea	Pteromalidae			Pteromalid 18	6/13/2010	U113	Lot	1	10	0.1
317	Chalcidoidea	Pteromalidae			Pteromalid 19	7/8/2010	Gcm	Garden	1	10	0.1
317	Chalcidoidea	Pteromalidae			Pteromalid 19	7/22/2010	U109	Lot	1	8	0.13
318	Chalcidoidea	Pteromalidae			Pteromalid 2	7/22/2010	U107	Lot	1	7	0.14
319	Chalcidoidea	Pteromalidae			Pteromalid 20	6/13/2010	U109	Lot	1	10	0.1
320	Chalcidoidea	Pteromalidae			Pteromalid 22	7/22/2010	Bpf	Garden	1	10	0.1
320	Chalcidoidea	Pteromalidae			Pteromalid 22	6/29/2010	U107	Lot	1	10	0.1
320	Chalcidoidea	Pteromalidae			Pteromalid 22	8/12/2010	U107	Lot	1	10	0.1
320	Chalcidoidea	Pteromalidae			Pteromalid 22	7/8/2010	U113	Lot	1	10	0.1
321	Chalcidoidea	Pteromalidae			Pteromalid 23	6/13/2010	Gcb	Garden	1	10	0.1
321	Chalcidoidea	Pteromalidae			Pteromalid 23	6/29/2010	U107	Lot	1	10	0.1

322	Chalcidoidea	Pteromalidae			Pteromalid 24	8/28/2010	Gce	Garden	1	10	0.1
323	Chalcidoidea	Pteromalidae			Pteromalid 25	6/29/2010	U107	Lot	1	10	0.1
324	Chalcidoidea	Pteromalidae			Pteromalid 26	6/29/2010	U106	Lot	1	10	0.1
325	Chalcidoidea	Pteromalidae			Pteromalid 27	6/13/2010	U111	Lot	1	10	0.1
326	Chalcidoidea	Pteromalidae			Pteromalid 28	8/28/2010	U110	Lot	1	10	0.1
326	Chalcidoidea	Pteromalidae			Pteromalid 28	6/13/2010	U113	Lot	1	10	0.1
327	Chalcidoidea	Pteromalidae			Pteromalid 3	7/22/2010	U113	Lot	4	10	0.4
327	Chalcidoidea	Pteromalidae			Pteromalid 3	7/22/2010	U106	Lot	1	10	0.1
327	Chalcidoidea	Pteromalidae			Pteromalid 3	7/22/2010	U109	Lot	1	8	0.13
327	Chalcidoidea	Pteromalidae			Pteromalid 3	8/28/2010	U110	Lot	1	10	0.1
327	Chalcidoidea	Pteromalidae			Pteromalid 3	8/12/2010	U113	Lot	1	10	0.1
328	Chalcidoidea	Pteromalidae			Pteromalid 4	7/22/2010	Fg	Garden	1	10	0.1
328	Chalcidoidea	Pteromalidae			Pteromalid 4	8/28/2010	Gce	Garden	1	10	0.1
329	Chalcidoidea	Pteromalidae			Pteromalid 5	6/13/2010	U106	Lot	6	10	0.6
329	Chalcidoidea	Pteromalidae			Pteromalid 5	6/29/2010	U106	Lot	6	10	0.6
329	Chalcidoidea	Pteromalidae			Pteromalid 5	6/29/2010	U107	Lot	6	10	0.6
329	Chalcidoidea	Pteromalidae			Pteromalid 5	7/1/2010	U107	Lot	4	8	0.5
329	Chalcidoidea	Pteromalidae			Pteromalid 5	7/2/2010	Gce	Garden	1	10	0.1
329	Chalcidoidea	Pteromalidae			Pteromalid 5	7/22/2010	Gclb	Garden	1	10	0.1
330	Chalcidoidea	Pteromalidae			Pteromalid 6	6/13/2010	U106	Lot	1	10	0.1
330	Chalcidoidea	Pteromalidae			Pteromalid 6	7/1/2010	U107	Lot	1	8	0.13
331	Chalcidoidea	Pteromalidae			Pteromalid 7	8/29/2010	U107	Lot	1	10	0.1
332	Chalcidoidea	Pteromalidae			Pteromalid 8	7/22/2010	U113	Lot	1	10	0.1
333	Chalcidoidea	Pteromalidae			Pteromalid 9	6/13/2010	Gclb	Garden	1	10	0.1
334	Chalcidoidea	Torymidae			Torymid 3	8/29/2010	U106	Lot	1	10	0.1
334	Chalcidoidea	Torymidae			Torymid 3	8/29/2010	U107	Lot	1	10	0.1
335	Chalcidoidea	Torymidae			Torymid 2	8/29/2010	U108	Lot	1	1	1
336	Chalcidoidea	Torymidae			Torymid 1	6/13/2010	U113	Lot	1	10	0.1
337	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 1	7/22/2010	Gclb	Garden	4	10	0.4
337	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 1	6/13/2010	Gcsv	Garden	1	10	0.1
337	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 1	8/12/2010	Gclb	Garden	1	10	0.1
338	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 3	6/13/2010	Gcsv	Garden	1	10	0.1
339	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 4	8/29/2010	U107	Lot	1	10	0.1
340	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 2	7/22/2010	U109	Lot	1	8	0.13
341	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 5	7/22/2010	U109	Lot	1	8	0.13
341	Chalcidoidea	Trichogrammatidae			Trichogrammatidae 5	8/12/2010	U109	Lot	1	8	0.13
342	Vespoidea	Vespidae	Chrysidae		Chrysid 1	6/13/2010	U106	Lot	3	10	0.3
342	Vespoidea	Vespidae	Chrysidae		Chrysid 1	8/28/2010	Gce	Garden	1	10	0.1
342	Vespoidea	Vespidae	Chrysidae		Chrysid 1	7/1/2010	U106	Lot	1	10	0.1
342	Vespoidea	Vespidae	Chrysidae		Chrysid 1	8/29/2010	U106	Lot	1	10	0.1
342	Vespoidea	Vespidae	Chrysidae		Chrysid 1	7/22/2010	U109	Lot	1	8	0.13
343	Vespoidea	Vespidae	Chrysidae		Chrysid 2	7/22/2010	U110	Lot	1	10	0.1

344	Vespoidea	Vespidae		Chrysidae	Chrysid 3	8/28/2010	Gce	Garden	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/12/2010	Fg	Garden	3	9	0.33
345	Vespoidea	Vespidae		Polistes	Dominula	7/22/2010	U110	Lot	3	10	0.3
345	Vespoidea	Vespidae		Polistes	Dominula	7/2/2010	Fg	Garden	2	10	0.2
345	Vespoidea	Vespidae		Polistes	Dominula	7/22/2010	Fg	Garden	2	10	0.2
345	Vespoidea	Vespidae		Polistes	Dominula	8/28/2010	Gce	Garden	2	10	0.2
345	Vespoidea	Vespidae		Polistes	Dominula	7/8/2010	U113	Lot	2	10	0.2
345	Vespoidea	Vespidae		Polistes	Dominula	7/22/2010	Gclb	Garden	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/12/2010	Gcfx	Garden	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/26/2010	Gcm	Garden	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/29/2010	Gcsv	Garden	1	9	0.11
345	Vespoidea	Vespidae		Polistes	Dominula	6/13/2010	U107	Lot	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/12/2010	U107	Lot	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/29/2010	U107	Lot	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	8/12/2010	U110	Lot	1	10	0.1
345	Vespoidea	Vespidae		Polistes	Dominula	6/13/2010	U113	Lot	1	10	0.1
346	Vespoidea	Vespidae		Vespula	Germaniaea	8/29/2010	Gcm	Garden	2	10	0.2
346	Vespoidea	Vespidae		Vespula	Germaniaea	8/29/2010	U107	Lot	1	10	0.1
346	Vespoidea	Vespidae		Vespula	Germaniaea	8/29/2010	U107	Lot	1	10	0.1
346	Vespoidea	Vespidae		Vespula	Germaniaea	8/29/2010	U109	Lot	1	10	0.1
346	Vespoidea	Vespidae		Vespula	Germaniaea	8/30/2010	U109	Lot	1	10	0.1
346	Vespoidea	Vespidae		Vespula	Germaniaea	8/29/2010	U110	Lot	1	10	0.1
347	Vespoidea	Vespidae		Vespula	Maculifrons	8/29/2010	U108	Lot	3	1	3
347	Vespoidea	Vespidae		Vespula	Maculifrons	8/28/2010	Gce	Garden	2	10	0.2
347	Vespoidea	Vespidae		Vespula	Maculifrons	8/29/2010	Gcsv	Garden	1	9	0.11
347	Vespoidea	Vespidae		Vespula	Maculifrons	8/29/2010	U106	Lot	1	10	0.1
347	Vespoidea	Vespidae		Vespula	Maculifrons	8/12/2010	U109	Lot	1	8	0.13
348	Vespoidea	Vespidae		Sphecidae	Sphec 1	7/22/2010	U110	Lot	2	10	0.2
349	Vespoidea	Vespidae		Sphecidae	Sphec 2	7/8/2010	U113	Lot	1	10	0.1
350	Vespoidea	Vespidae		Sphecidae	Sphec 3	8/28/2010	Gce	Garden	1	10	0.1
350	Vespoidea	Vespidae		Sphecidae	Sphec 3	7/22/2010	U111	Lot	1	9	0.11
351	Vespoidea	Vespidae		Vespid	Vespid 1	8/29/2010	U106	Lot	1	10	0.1
351	Vespoidea	Vespidae		Vespid	Vespid 1	7/22/2010	U108	Lot	1	5	0.2