

A SURVEY OF THE MOTHS OF CUSKINNY NATURE RESERVE, COBH, CO. CORK: MAY 2010-SEPTEMBER 2010

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INTRODUCTION

This survey is aimed to provide baseline data for recording the moths of Cuskinny Nature Reserve, and follows on the work conducted by Ken Bond of UCC, who surveyed the Reserve between June and August of 1993. Cuskinny Nature Preserve comprises of several habitat types, from woodland to marsh, and plays host to a wide diversity of life. The site is a strong asset to an ever-growing town and thus it is important to understand and conserve. It is hoped that others may use these works as a guidance to further understand the moths of the reserve through conducting further studies in the future.

METHODS

This survey aimed to trap in months which were not previously surveyed and thus trapping commenced in May and finished in September. Trapping had not been conducted during these months here before. A total of 27 surveys were conducted in the above stated time period (see table 1 for a breakdown of dates per month).

Table 1. Dates trapped in each month, as well as the total days per month trapped.

Month	May	June	Aug	Sep
	14th	4th	16th	6th
	15th	5th	19th	12th
	16th	6th	22nd	15th
	17th	11th		16th
	19th	14th		21st
	21st	16th		27th
	22nd			
	23rd			
	24th			
	25th			
	29th			
Total Days	12	6	3	6

Trapping locations were changed as regularly as possible, depending on weather conditions, in order to maximise the area covered, and thus the species encountered (see table 2 for a breakdown of trapping sites, and figure 1 for the location of said sites on a map).

Table 2. Location of trapping sites with corresponding codes and grid references.

Code	Site	Grid Reference	
A	NW Field	51°51'49.31"N	8°16'23.40"W
B	Laneway	51°51'43.89"N	8°16'8.07"W
C	NE Field	51°51'45.13"N	8°15'58.91"W
D	Marsh	51°51'34.67"N	8°15'51.96"W
E	Shore	51°51'27.14"N	8°15'59.32"W
F	Ronan's Wood	51°51'18.53"N	8°16'9.35"W



Figure 1. Locations (coded) of each trapping site utilised (see table 2 for corresponding place-names and grid references. Image: Google Earth.

A 15W portable actinic trap was used on all trapping dates. All moths, where possible, were photographed using a Canon PowerShot SX10 IS, and these are available to view on the Cuskinny Nature Reserve photo album. Trapping began just before dark on each occasion, and were revisited at first light, in order to keep mortality and escape of the catch to a minimum.

RESULTS

A total of 98 species were recorded during the total survey period of which 60 were not previously recorded on the reserve. This brings the total number of species officially documented on the reserve to 188 species. The number of species trapped rose from 40 species in May, peaking at 63 species in June before dropping to 26 species in August, with just 12 species recorded in September (see figure 2).

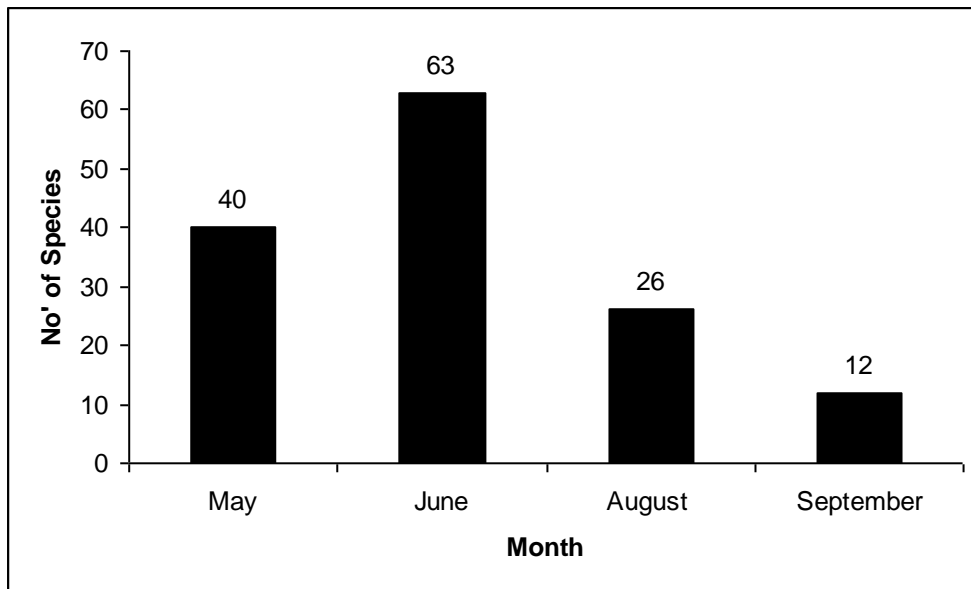


Figure 2. Number of species trapped per month

A similar trend to figure 2 can be seen in figure 3 with the number of moths caught per session peaking in June, with the lowest occurring in May and September.

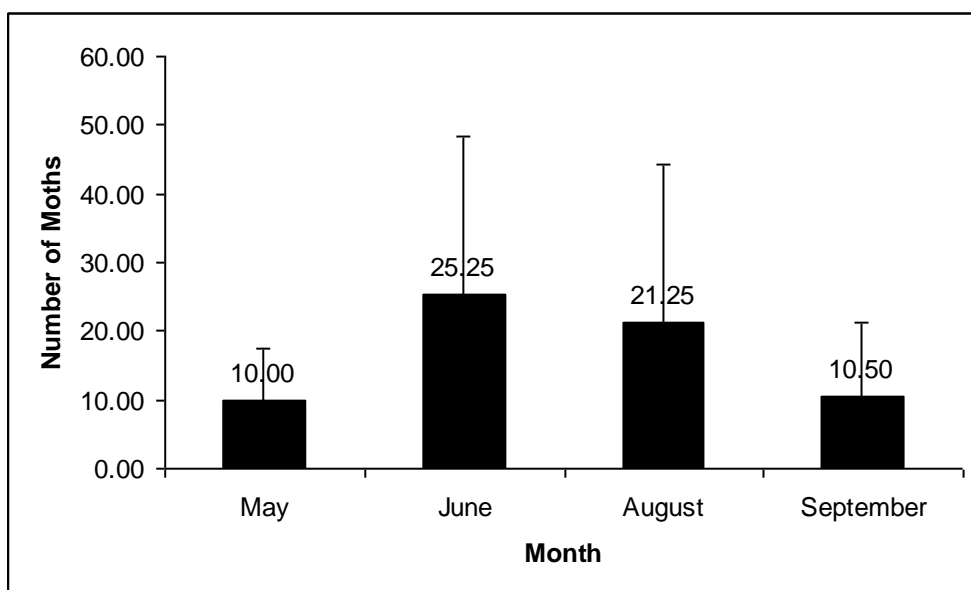


Figure 3. Average number (\pm SD) of moths trapped per month.

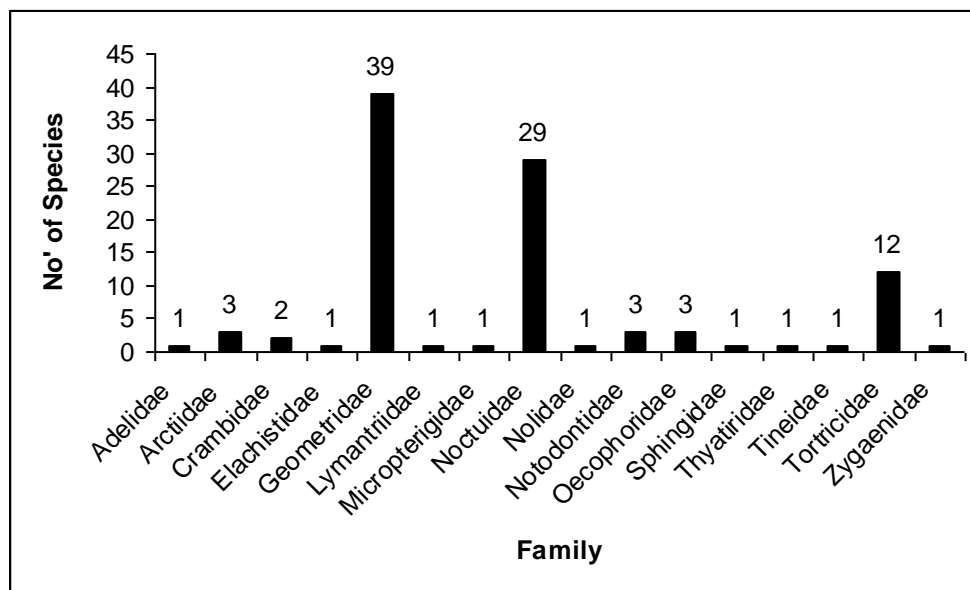


Figure 4 No of species represented per family

Of the macro species, the Geometridae were the most highly represented with 38 species, followed by the Noctuidae with 29 species. This contrasts to Ken Bonds results who found more Noctuidae (38) than Geometridae (33). For a full breakdown of species, and their corresponding locations, quantities, and dates please see appendix 1.

DISCUSSION

While a wide range of species were trapped, adding to the reserve species list by 60, the only true species of note was Dwarf Pug *Eupithecia tantillaria*. This species is listed as a scarce species in Ireland, with just 23 records (Moths Ireland, 2010). It is found locally in Britain in coniferous plantations, and likewise, here, it was found in Mrs. Wanda Ronan's Garden in a section where conifers, particularly Scot's Pine abound (see figure code F, figure 1).

A clear pattern arises in both the number of species and average number of individuals per trap in each month (see figures 2 & 3). With regard to both aspects, numbers rose from May to peak in June, before gradually declining in August, reaching a minimum in September. This may reflect average temperatures per month, with many species preferring warmer temperatures to hatch.

Important to note is the fact that the Geometridae outnumbered the Noctuidae in this survey, which contrasts to that found by Ken Bond. It has been speculated that mercury vapour traps attract a higher number of Noctuids compared to Geometrids, and that the opposite is true of actinic type traps (Ken Bond, Jim Wilson, Pers. Comm.). This hypothesis is certainly reflected in the results. Thus, it is suggested that both trap types are used in future surveys to maximise the number of species attracted and logged.

APPENDIX 1. (Species newly documented in the reserve are coloured red)

Area	Family	Common Name	Latin Name	Quantity	Date
Ronan's Wood	Adelidae	*	Nematopogon swammerdamella	1	03/06/2010
Ronan's Wood	Arctiidae	Buff Ermine	Spilosoma luteum	1	19/05/2010
Ronan's Wood	Arctiidae	Buff Ermine	<i>Spilosoma luteum</i>	1	23/05/2010
Lane	Arctiidae	Buff Ermine	<i>Spilosoma luteum</i>	1	24/05/2010
Ronan's Wood	Arctiidae	Buff Ermine	<i>Spilosoma luteum</i>	2	03/06/2010
Ronan's Wood	Arctiidae	Buff Ermine	<i>Spilosoma luteum</i>	3	04/06/2010
NW Field	Arctiidae	Buff Ermine	<i>Spilosoma luteum</i>	3	06/06/2010
Lane	Arctiidae	Buff Ermine	<i>Spilosoma luteum</i>	3	16/06/2010
NW Field	Arctiidae	Muslin Ermine	Diaphora mendica	1	14/05/2010
NW Field	Arctiidae	Muslin Ermine	<i>Diaphora mendica</i>	1	15/05/2010
NW Field	Arctiidae	Muslin Ermine	<i>Diaphora mendica</i>	3	16/05/2010
NE Field	Arctiidae	Muslin Ermine	<i>Diaphora mendica</i>	4	17/05/2010
Ronan's Wood	Arctiidae	Muslin Ermine	<i>Diaphora mendica</i>	2	21/05/2010
Shore	Arctiidae	Muslin Ermine	<i>Diaphora mendica</i>	1	25/05/2010
Ronan's Wood	Arctiidae	Muslin Ermine	<i>Diaphora mendica</i>	1	04/06/2010
NW Field	Arctiidae	White Ermine	<i>Spilosoma lubricipeda</i>	1	01/06/2010
Ronan's Wood	Arctiidae	White Ermine	<i>Spilosoma lubricipeda</i>	1	03/06/2010
Ronan's Wood	Arctiidae	White Ermine	<i>Spilosoma lubricipeda</i>	2	04/06/2010
Lane	Arctiidae	White Ermine	<i>Spilosoma lubricipeda</i>	3	16/06/2010
NW Field	Crambidae	*	Eudonea angustea	1	01/06/2010
Ronan's Wood	Crambidae	Mother of Pearl	Pleuroptya ruralis	3	16/08/2010
NW Field	Elachistidae	*	<i>Elachista argentella</i>	4	16/05/2010
NE Field	Elachistidae	*	<i>Elachista argentella</i>	1	17/05/2010
Ronan's Wood	Geometridae	August Thorn	Ennomos quercinaria	4	17/08/2010
Ronan's Wood	Geometridae	August Thorn	<i>Ennomos quercinaria</i>	18	12/09/2010
Ronan's Wood	Geometridae	August Thorn	<i>Ennomos quercinaria</i>	5	15/09/2010
Ronan's Wood	Geometridae	August Thorn	<i>Ennomos quercinaria</i>	4	21/09/2010
Ronan's Wood	Geometridae	Barred Red	<i>Hylaea fasciaria</i>	2	03/06/2010
Ronan's Wood	Geometridae	Barred Red	<i>Hylaea fasciaria</i>	3	04/06/2010
Ronan's Wood	Geometridae	Barred Red	<i>Hylaea fasciaria</i>	1	17/08/2010
Ronan's Wood	Geometridae	Brimstone	<i>Opisthograptis luteolata</i>	1	19/05/2010
Ronan's Wood	Geometridae	Brimstone	<i>Opisthograptis luteolata</i>	1	29/05/2010
Ronan's Wood	Geometridae	Brimstone	<i>Opisthograptis luteolata</i>	3	03/06/2010
Ronan's Wood	Geometridae	Brimstone	<i>Opisthograptis luteolata</i>	2	04/06/2010
Ronan's Wood	Geometridae	Brimstone	<i>Opisthograptis luteolata</i>	2	15/09/2010
NW Field	Geometridae	Brindled Pug	Eupithecia abbreviata	1	15/05/2010
NW Field	Geometridae	Brindled pug	<i>Eupithecia abbreviata</i>	3	16/05/2010
Ronan's Wood	Geometridae	Brindled pug	<i>Eupithecia abbreviata</i>	1	21/05/2010

Ronan's Wood	Geometridae	Broken-Barred Carpet	<i>Electrophaes corylata</i>	2	19/05/2010
Ronan's Wood	Geometridae	Broken-Barred Carpet	<i>Electrophaes corylata</i>	3	03/06/2010
Lane	Geometridae	Brown Silver Line	<i>Petrophora chlorosata</i>	1	11/06/2010
Lane	Geometridae	Brussel's Lace	<i>Cleorodes lichenaria</i>	1	14/06/2010
Ronan's Wood	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	1	23/05/2010
Ronan's Wood	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	2	03/06/2010
Ronan's Wood	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	1	04/06/2010
NW Field	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	1	05/06/2010
NW Field	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	1	06/06/2010
Ronan's Wood	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	3	16/08/2010
Ronan's Wood	Geometridae	Clay Triple Lines	<i>Cyclophora linearia</i>	3	17/08/2010
Ronan's Wood	Geometridae	Clouded Silver	<i>Lomographa temerata</i>	1	03/06/2010
Ronan's Wood	Geometridae	Common Carpet	<i>Epirrhoe alternata</i>	1	04/06/2010
Ronan's Wood	Geometridae	Common Carpet	<i>Epirrhoe alternata</i>	1	16/08/2010
Marsh	Geometridae	Common Carpet	<i>Epirrhoe alternata</i>	1	27/09/2010
Ronan's Wood	Geometridae	Common Carpet	<i>Epirrhoe alternata</i>	3	17/08/2010
Ronan's Wood	Geometridae	Marbled Carpet	<i>Chloroclysta truncata</i>	6	03/06/2010
Ronan's Wood	Geometridae	Marbled Carpet	<i>Chloroclysta truncata</i>	1	04/06/2010
Ronan's Wood	Geometridae	Marbled Carpet	<i>Chloroclysta truncata</i>	2	15/09/2010
NW Field	Geometridae	Common Pug	<i>Eupithecia vulgata</i>	2	01/06/2010
Ronan's Wood	Geometridae	Common Pug	<i>Eupithecia vulgata</i>	1	04/06/2010
NW Field	Geometridae	Common Pug	<i>Eupithecia vulgata</i>	1	06/06/2010
Lane	Geometridae	Common Pug	<i>Eupithecia vulgata</i>	2	14/06/2010
Ronan's Wood	Geometridae	Common Pug	<i>Eupithecia vulgata</i>	1	17/08/2010
Lane	Geometridae	Common Wave	<i>Cabera exanthemata</i>	1	24/05/2010
Ronan's Wood	Geometridae	Common Wave	<i>Cabera exanthemata</i>	2	16/08/2010
NW Field	Geometridae	Common White Wave	<i>Cabera pusaria</i>	1	19/08/2010
Ronan's Wood	Geometridae	Dwarf Pug	<i>Eupithecia tantillaria</i>	1	03/06/2010
Ronan's Wood	Geometridae	Engrailed/Small Engrailed	<i>Ectropis bistortata/crepuscular</i>	1	23/05/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	1	19/05/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	1	21/05/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	1	22/05/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	3	03/06/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	2	04/06/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	2	17/08/2010
Lane	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	1	06/09/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	3	12/09/2010
Ronan's Wood	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	1	21/09/2010
Marsh	Geometridae	Flame Carpet	<i>Xanthorhoe designata</i>	1	27/09/2010

Ronan's Wood	Geometridae	Foxglove Pug	<i>Eupithecia pulchellata</i>	2	29/05/2010
NW Field	Geometridae	Foxglove Pug	<i>Eupithecia pulchellata</i>	1	01/06/2010
Ronan's Wood	Geometridae	Garden Carpet	<i>Xanthorhoe fluctuata</i>	3	04/06/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	2	23/05/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	1	29/05/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	2	03/06/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	3	04/06/2010
NW Field	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	1	06/06/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	3	12/09/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	3	15/09/2010
Lane	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	1	16/09/2010
Ronan's Wood	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	1	21/09/2010
Marsh	Geometridae	Green Carpet	<i>Colostygia pectinatata</i>	2	27/09/2010
NE Field	Geometridae	Grey Pine Carpet	<i>Thera obeliscata</i>	1	17/05/2010
Ronan's Wood	Geometridae	Grey Pine Carpet	<i>Thera obeliscata</i>	1	29/05/2010
Ronan's Wood	Geometridae	Grey Pine Carpet	<i>Thera obeliscata</i>	6	03/06/2010
Ronan's Wood	Geometridae	Grey Pine Carpet	<i>Thera obeliscata</i>	1	04/06/2010
Lane	Geometridae	Grey Pine Carpet	<i>Thera obeliscata</i>	4	16/06/2010
Lane	Geometridae	Grey Pug	<i>Eupithecia subfuscata</i>	1	11/06/2010
Ronan's Wood	Geometridae	Magpie	<i>Abraxas grossulariata</i>	2	16/08/2010
Lane	Geometridae	May Highflyer	<i>Hydriomena impluviata</i>	12	16/06/2010
Ronan's Wood	Geometridae	Mottled Beauty	<i>Alcis repandata</i>	1	03/06/2010
Ronan's Wood	Geometridae	Mottled Beauty	<i>Alcis repandata</i>	2	04/06/2010
NW Field	Geometridae	Oblique Carpet	<i>Orthonama vittata</i>	1	01/06/2010
NW Field	Geometridae	Oblique Carpet	<i>Orthonama vittata</i>	8	06/06/2010
Ronan's Wood	Geometridae	Red-Green Carpet	<i>Chloroclysta siterata</i>	1	19/05/2010
NW Field	Noctuidae	Rosy Rustic	<i>Hydraecia micacea</i>	1	19/08/2010
Ronan's Wood	Geometridae	Scalloped Hazel	<i>Odontopera bidentata</i>	1	21/05/2010
Ronan's Wood	Geometridae	Scalloped Hazel	<i>Odontopera bidentata</i>	1	29/05/2010
Ronan's Wood	Geometridae	Scalloped Hazel	<i>Odontopera bidentata</i>	5	03/06/2010
Ronan's Wood	Geometridae	Scalloped Hazel	<i>Odontopera bidentata</i>	5	04/06/2010
Ronan's Wood	Geometridae	Scorched Wing	<i>Plagodis dolabraria</i>	1	21/05/2010
Ronan's Wood	Geometridae	Scorched Wing	<i>Plagodis dolabraria</i>	1	03/06/2010
Ronan's Wood	Geometridae	Scorched Wing	<i>Plagodis dolabraria</i>	4	04/06/2010

Ronan's Wood	Geometridae	Silver-Ground Carpet	<i>Xanthorhoe montanata</i>	3	04/06/2010
NW Field	Geometridae	Silver-Ground Carpet	<i>Xanthorhoe montanata</i>	1	05/06/2010
Ronan's Wood	Geometridae	Small Fan-footed Wave	<i>Idaea biselata</i>	2	16/08/2010
Ronan's Wood	Geometridae	Small Phoenix	<i>Ecliptopera silaceata</i>	6	19/05/2010
Ronan's Wood	Geometridae	Small Phoenix	<i>Ecliptopera silaceata</i>	3	23/05/2010
Ronan's Wood	Geometridae	Small Phoenix	<i>Ecliptopera silaceata</i>	3	29/05/2010
Ronan's Wood	Geometridae	Small Phoenix	<i>Ecliptopera silaceata</i>	3	04/06/2010
Ronan's Wood	Geometridae	Small Phoenix	<i>Ecliptopera silaceata</i>	1	16/08/2010
Ronan's Wood	Geometridae	Small Phoenix	<i>Ecliptopera silaceata</i>	2	17/08/2010
Ronan's Wood	Geometridae	Spruce Carpet	<i>Thera britannica</i>	2	03/06/2010
Ronan's Wood	Geometridae	Spruce Carpet	<i>Thera britannica</i>	1	04/06/2010
Ronan's Wood	Geometridae	V-Pug	<i>Chloroclystis v-ata</i>	1	04/06/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	4	19/05/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	1	21/05/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	1	23/05/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	1	29/05/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	2	03/06/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	2	04/06/2010
NW Field	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	3	06/06/2010
Lane	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	1	16/08/2010
Ronan's Wood	Geometridae	Water Carpet	<i>Lampropteryx suffumata</i>	1	15/09/2010
Ronan's Wood	Geometridae	White-Spotted Pug	<i>Eupithecia tripunctaria</i>	1	21/05/2010
NW Field	Geometridae	Wormwood Pug	<i>Eupithecia absinthiata</i>	1	19/08/2010
NW Field	Geometridae	Yellow-Barred Brindle	<i>Acasis viretata</i>	1	01/06/2010
Ronan's Wood	Geometridae	Yellow-Barred Brindle	<i>Acasis viretata</i>	1	03/06/2010
Ronan's Wood	Geometridae	Yellow-Barred Brindle	<i>Acasis viretata</i>	1	04/06/2010
Ronan's Wood	Lymantriidae	Pale Tussock	<i>Calliteara pudibunda</i>	1	23/05/2010
Ronan's Wood	Lymantriidae	Pale Tussock	<i>Calliteara pudibunda</i>	1	29/05/2010
Ronan's Wood	Lymantriidae	Pale Tussock	<i>Calliteara pudibunda</i>	1	03/06/2010
Ronan's Wood	Lymantriidae	Pale Tussock	<i>Calliteara pudibunda</i>	1	04/06/2010
Lane	Lymantriidae	Pale Tussock	<i>Calliteara pudibunda</i>	1	11/06/2010
Lane	Micropterigidae	*	<i>Micropterix calthella</i>	1	30/05/2010
NW Field	Noctuidae	Angle Shades	<i>Phlogophora meticulosa</i>	1	06/06/2010
Ronan's Wood	Noctuidae	Burnished Brass	<i>Diachrysis chrysitis</i>	1	17/08/2010
Marsh	Noctuidae	Clouded Drab	<i>Orthosia incerta</i>	1	01/06/2010
Ronan's Wood	Noctuidae	Clouded-Bordered Brindle	<i>Apamea crenata</i>	1	19/05/2010
Ronan's Wood	Noctuidae	Clouded-Bordered Brindle	<i>Apamea crenata</i>	1	03/06/2010
NW Field	Noctuidae	Clouded-Bordered Brindle	<i>Apamea crenata</i>	2	06/06/2010

		Bordered Brindle			
Ronan's Wood	Noctuidae	Common Quaker	<i>Orthosia cerasi</i>	1	21/05/2010
Ronan's Wood	Noctuidae	Copper	<i>Amphipyra</i>		
		Underwing	<i>pyramidea</i>	1	12/09/2010
Ronan's Wood	Noctuidae	Copper	<i>Amphipyra</i>		
		Underwing	<i>pyramidea</i>	1	15/09/2010
Ronan's Wood	Noctuidae	Dark Spectacle	<i>Abrostola triplasia</i>	1	03/06/2010
Ronan's Wood	Noctuidae	Dark Spectacle	<i>Abrostola triplasia</i>	2	04/06/2010
		Dark Sword			
Lane	Noctuidae	Grass	<i>Agrotis ipsilon</i>	1	16/09/2010
NW Field	Noctuidae	Dusky Brocade	<i>Apamea remissa</i>	1	06/06/2010
Shore	Noctuidae	Flame Shoulder	<i>Ochropleura plecta</i>	1	25/05/2010
NW Field	Noctuidae	Flame Shoulder	<i>Ochropleura plecta</i>	2	06/06/2010
			<i>Anaplectoides</i>		
Ronan's Wood	Noctuidae	Green Arches	<i>prasina</i>	1	04/06/2010
		Hebrew			
NW Field	Noctuidae	Character	<i>Orthosia gothica</i>	1	16/05/2010
		Hebrew			
Ronan's Wood	Noctuidae	Character	<i>Orthosia gothica</i>	1	21/05/2010
		Large Yellow			
Lane	Noctuidae	Underwing	<i>Noctua pronuba</i>	3	14/06/2010
		Large Yellow			
Ronan's Wood	Noctuidae	Underwing	<i>Noctua pronuba</i>	27	16/08/2010
		Large Yellow			
Ronan's Wood	Noctuidae	Underwing	<i>Noctua pronuba</i>	1	17/08/2010
		Lesser Broad			
Ronan's Wood	Noctuidae	Bordered Yellow	<i>Noctua janthe</i>	8	16/08/2010
		Underwing			
		Lesser Broad			
Marsh	Noctuidae	Bordered Yellow	<i>Noctua janthe</i>	1	22/08/2010
		Underwing			
		Lesser Yellow			
Ronan's Wood	Noctuidae	Underwing	<i>Noctua comes</i>	3	16/08/2010
		Lesser Yellow			
Ronan's Wood	Noctuidae	Underwing	<i>Noctua comes</i>	3	12/09/2010
		Lesser Yellow			
Ronan's Wood	Noctuidae	Underwing	<i>Noctua comes</i>	3	15/09/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	3	19/05/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	2	21/05/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	3	22/05/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	8	23/05/2010
		Nut-Tree			
Shore	Noctuidae	Tussock	<i>Colocasia coryli</i>	1	25/05/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	2	29/05/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	2	03/06/2010
		Nut-Tree			
Ronan's Wood	Noctuidae	Tussock	<i>Colocasia coryli</i>	2	04/06/2010
Ronan's Wood	Noctuidae	Purple Clay	<i>Diarsia brunnea</i>	1	03/06/2010
Ronan's Wood	Noctuidae	Purple Clay	<i>Diarsia brunnea</i>	1	04/06/2010
		Setaceous			
		Hebrew			
Lane	Noctuidae	Character	<i>Xestia c-nigrum</i>	1	11/06/2010
Ronan's Wood	Noctuidae	Setaceous	<i>Xestia c-nigrum</i>	1	17/08/2010

		Hebrew Character Setaceous			
Marsh	Noctuidae	Hebrew Character Setaceous	<i>Xestia c-nigrum</i>	1	22/08/2010
Lane	Noctuidae	Hebrew Character Setaceous	<i>Xestia c-nigrum</i>		06/09/2010
Ronan's Wood	Noctuidae	Hebrew Character Setaceous	<i>Xestia c-nigrum</i>	1	12/09/2010
Lane	Noctuidae	Hebrew Character Setaceous	<i>Xestia c-nigrum</i>	1	16/09/2010
Marsh	Noctuidae	Hebrew Character Six-Striped	<i>Xestia c-nigrum</i>	1	27/09/2010
NW Field	Noctuidae	Rustic	<i>Xestia sexstrigata</i>	1	19/08/2010
Ronan's Wood	Noctuidae	Small Fan-Foot	<i>Herminia grisealis</i>	1	04/06/2010
Lane	Noctuidae	Small Fan-Foot	<i>Herminia grisealis</i>	1	14/06/2010
NW Field	Noctuidae	Small Square- Spot	<i>Diarsia rubi</i>	1	14/05/2010
NW Field	Noctuidae	Small Square- Spot	<i>Diarsia rubi</i>	1	01/06/2010
Ronan's Wood	Noctuidae	Small Square- Spot	<i>Diarsia rubi</i>	2	03/06/2010
Ronan's Wood	Noctuidae	Small Square- Spot	<i>Diarsia rubi</i>	1	04/06/2010
NW Field	Noctuidae	Small Square- Spot	<i>Diarsia rubi</i>	1	19/08/2010
Marsh	Noctuidae	Small Wainscot	<i>Chortodes pygmina</i>	1	22/08/2010
NW Field	Noctuidae	Square Spot			
NW Field	Noctuidae	Rustic	<i>Xestia xanthographa</i>	1	01/06/2010
NW Field	Noctuidae	Square Spot			
NW Field	Noctuidae	Rustic	<i>Xestia xanthographa</i>	1	05/06/2010
NW Field	Noctuidae	Square Spot			
NW Field	Noctuidae	Rustic	<i>Xestia xanthographa</i>	2	19/08/2010
Ronan's Wood	Noctuidae	Straw Dot	<i>Rivula sericealis</i>	2	16/08/2010
NW Field	Noctuidae	Straw Dot	<i>Rivula sericealis</i>	1	19/08/2010
NW Field	Noctuidae	The Herald	<i>Scoliopteryx libatrix</i>	1	06/06/2010
Lane	Noctuidae	The Herald	<i>Scoliopteryx libatrix</i>	1	16/06/2010
NW Field	Noctuidae	The Spectacle	<i>Abrostola tripartita</i>	1	06/06/2010
Ronan's Wood	Noctuidae	Treble Bar	<i>Aplocera plagiata</i>	1	17/08/2010
Ronan's Wood	Noctuidae	Treble Bar	<i>Aplocera plagiata</i>	1	15/09/2010
Ronan's Wood	Noctuidae	Treble Lines	<i>Charanyca trigrammica</i>	1	19/05/2010
Ronan's Wood	Noctuidae	Treble Lines	<i>Charanyca trigrammica</i>	1	22/05/2010
Ronan's Wood	Noctuidae	Treble Lines	<i>Charanyca trigrammica</i>	1	23/05/2010
Ronan's Wood	Noctuidae	Treble Lines	<i>Charanyca trigrammica</i>	1	03/06/2010
NE Field	Nolidae	Least Black Arches	<i>Nola confusalis</i>	1	17/05/2010
Ronan's Wood	Nolidae	Least Black Arches	<i>Nola confusalis</i>	2	19/05/2010
NW Field	Notodontidae	Iron Prominent	<i>Notodonta dromedarius</i>	1	14/05/2010

Ronan's Wood	Notodontidae	Lunar Marbled Brown	<i>Drymonia ruficornis</i>	1	19/05/2010
Ronan's Wood	Notodontidae	Lunar Marbled Brown	<i>Drymonia ruficornis</i>	1	22/05/2010
Ronan's Wood	Notodontidae	Pale Prominent	<i>Pterostoma palpina</i>	1	03/06/2010
NW Field	Oecophoridae	*	Agonopterix species	1	01/06/2010
Ronan's Wood	Oecophoridae	White Shouldered House Moth	<i>Endrosis sarcitrella</i>	1	29/05/2010
Lane	Sphingidae	Poplar Hawkmoth	<i>Laothoe populi</i>	1	24/05/2010
Shore	Sphingidae	Poplar Hawkmoth	<i>Laothoe populi</i>	1	25/05/2010
NW Field	Sphingidae	Poplar Hawkmoth	<i>Laothoe populi</i>	2	01/06/2010
Ronan's Wood	Sphingidae	Poplar Hawkmoth	<i>Laothoe populi</i>	1	03/06/2010
Ronan's Wood	Sphingidae	Poplar Hawkmoth	<i>Laothoe populi</i>	1	04/06/2010
Lane	Sphingidae	Hawkmoth	<i>Laothoe populi</i>	3	06/06/2010
Ronan's Wood	Thyatiridae	Peach Blossom	<i>Thyatira batis</i>	1	03/06/2010
Ronan's Wood	Thyatiridae	Peach Blossom	<i>Thyatira batis</i>	1	04/06/2010
NW Field	Tineidae	*	Monopis <i>crociapitella</i>	1	01/06/2010
NE Field	Tortricidae	*	<i>Bactra lancealana</i>	4	17/05/2010
NW Field	Tortricidae	*	<i>Bactra</i> sp	1	06/06/2010
Marsh	Tortricidae	*	<i>Celypha lacunana</i>	1	30/05/2010
NW Field	Tortricidae	*	<i>Cnephasia</i> spp	1	01/06/2010
Marsh	Tortricidae	*	<i>Cydia ulicetana</i> <i>Endothenia</i> <i>quadrimaculana</i>	1	30/05/2010
Ronan's Wood	Tortricidae	*	<i>Endothenia</i> <i>quadrimaculana</i> <i>Epiblema</i>	1	03/06/2010
Ronan's Wood	Tortricidae	*	<i>quadrimaculana</i> <i>Epiblema</i> <i>uddmanniana</i>	1	04/06/2010
NW Field	Tortricidae	*	<i>uddmanniana</i>	1	06/06/2010
Marsh	Tortricidae	*	<i>Epinotia immundana</i>	1	30/05/2010
Ronan's Wood	Tortricidae	Light Brown Apple Moth	<i>Epiphyas postvittana</i>	1	04/06/2010
Lane	Tortricidae	*	<i>Pandemis cerasana</i>	1	11/06/2010
Ronan's Wood	Tortricidae	*	<i>Syndemis musculana</i> <i>Syndemis</i> <i>musculana</i>	1	03/06/2010
Ronan's Wood	Tortricidae	*	<i>musculana</i>	1	04/06/2010
Ronan's Wood	Oecophoridae	*	<i>Agonopterix arenella</i>	1	19/05/2010
Marsh	Zygaenidae	Six-Spot Burnet	<i>Zygaena filipendulae</i>	1	30/05/2010
